

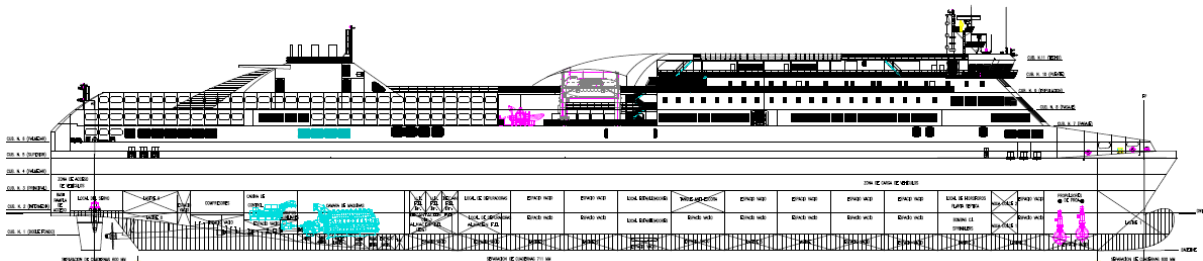


UNIVERSIDAD DE LA CORUÑA
ESCUELA POLITECNICA SUPERIOR
GRADO EN ARQUITECTURA NAVAL

TRABAJO FIN DE GRADO N°: 14-105
ALUMNA: MARÍA DE LA LUZ MURAS CASAS

RO – RO 1000 PAX.

CUADERNO N°:4
CÁLCULOS DE ARQUITECTURA NAVAL



GRADO EN ARQUITECTURA NAVAL
TRABAJO FIN DE GRADO

CURSO 2.013-2014

PROYECTO NÚMERO 14-105

TIPO DE BUQUE : RO-RO 1000 PAX.

CLASIFICACIÓN , COTA Y REGLAMENTOS DE APLICACIÓN : DNV, IMO, SOLAS, MARPOL, Convenio Internacional de Líneas de Carga 1966

CARACTERÍSTICAS DE LA CARGA: 950 pasajeros; 5 cubiertas de carga para 250 turismos

VELOCIDAD Y AUTONOMÍA : velocidad en prueba al 85% MCR, 22 nudos; autonomía a velocidad de prueba 2500 millas.

SISTEMAS Y EQUIPOS DE CARGA / DESCARGA : dos puertas en zona de popa; rampa móvil entre cubiertas de carga.

PROPULSIÓN : 2 Motores diesel eléctrica acoplados a hélices de paso variable

TRIPULACIÓN Y PASAJE : 50 tripulantes más 950 pasajeros

OTROS EQUIPOS E INSTALACIONES : hélices de maniobra en proa.

Ferrol, Septiembre de 2.013.

ALUMNO: D^a María de la Luz Muras Casas.

ÍNDICE

1. INTRODUCCIÓN. (Pág.: 2).
2. ESPACIADO. (Pág.: 3).
3. COMPARTIMENTADO LONGITUDINAL. (Pág.: 4).
4. COMPARTIMENTADO TRANSVERSAL. (Pág.: 9).
5. COMPARTIMENTADO VERTICAL. (Pág.: 10).
6. TANQUES. (Pág.: 11).
7. CÁLCULOS HIDROESTÁTICOS. (Pág.: 14).
8. CURVAS KN. (Pág.: 17).
9. ANEXO. (Pág.: 20):
 - PLANO PERFIL.
 - PLANO CUBIERTA FONDO.
 - PLANO CUBIERTA N°: 1 (DOBLE FONDO).
 - PLANO CUBIERTA N°: 2 (INTERMEDIA).
 - PLANO GENERAL.
 - PLANO ZONA ESTANCA.
 - PLANO PUNTOS DE INUNDACIÓN PROGRESIVA.
 - COMPARTIMENTACIÓN Y TANQUES.

1.- INTRODUCCIÓN:

Partiendo de las dimensiones calculadas en el Cuaderno III:

Lt	180,28 m.
Lpp	167,22 m.
B	28,2 m.
D	9,53 m.
T	6,09 m.
Cb	0,539
Cm	0,982
Cp	0,549
Δ	17178,00 ton.
V	22 nudos
BHP (KW)	15224,4
N° pasajeros	950
N° tripulantes	50

Partiendo de estos datos, se procede a realizar los cálculos de arquitectura naval.

2.- ESPACIADO:

En este apartado se determinará el espaciado que existirá entre las cuadernas, el cual será estipulado por la sociedad de clasificación, en el caso del proyecto en cuestión, será DNV; dicha normativa no hace referencia a una separación entre cuadernas determinada, se establecerá la siguiente separación:

- Zona de proa: desde el mamparo de colisión de proa en adelante: 600 mm.
- Zona de popa: desde el pique de popa hacia atrás: 600 mm.
- Zona central: entre el pique de popa y el mamparo de colisión de proa: 711 mm.
- Bulárcama: cada 3 cuadernas.

Dicha distribución se obtenido a partir del buque de referencia.

3.- COMPARTIMENTADO LONGITUDINAL:

MAMPAROS CENTRALES:

Entre los cálculos que son necesarios realizar con objeto de definir la situación de los mamparos estancos, están, los de las esloras inundables, que normalmente no se hacen más que en buques de pasaje; el método de proyecto, no se basa en situar los mamparos, y luego determinar las flotaciones que tomaría el buque cuando se inunda un compartimento, sino en definir, una línea por encima de la cual no puede sumergirse el buque, y calcular la posición y longitud de los compartimentos que llevan la flotación a esa línea.

El tipo de buque que se está proyectando, se caracteriza por disponer de una cubierta rodada continua de popa a proa que no será atravesada por mamparos transversales. De esta forma, los mamparos estancos se dispondrán hasta la primera cubierta de carga rodada, la cual corresponde con la cubierta principal ubicada a 9.53 m sobre la línea base.

Para establecer el compartimentado del buque aparece el concepto de eslora máxima tras avería, definida, según la normativa del SOLAS como:

$$L_{\text{max.avería.}} = 3 + 3\% L_{pp}$$

Esta avería da lugar a la entrada de cierta cantidad de agua, la cual inunda por completo el compartimento, provocando una variación del peso y a su vez la modificación del calado, como también el del trimado del buque.

En el caso del buque sobre el que se está trabajando, se tendría una eslora máxima tras avería como la siguiente;

$$L_{\text{max.avería.}} = 3 + 3\% L_{pp} = 3 + 0.03 \times 167.22 = 8.01 \text{ m.}$$

Procurando que la longitud establecida coincida con la separación entre cuadernas establecida y respetando una colocación de una bulárcama cada tres claras, dicha longitud se llevará a los 8.53 m, dando lugar a un espaciado de 12 cuadernas.

3.- COMPARTIMENTADO LONGITUDINAL:

MAMPARO DE COLISIÓN:

En este apartado se determinará la colocación del mamparo de colisión, el cual será estipulado por la sociedad de clasificación, en el caso del proyecto en cuestión, será DNV.

Se instalará un mamparo de pique de proa o de colisión que será estanco hasta la cubierta de cierre. Este mamparo estará situado a una distancia de la perpendicular de proa no inferior al 5% de la eslora del buque ni superior a 3 m más del 5% de la eslora del buque.

Cuando cualquier parte del buque que quede por debajo de la flotación se prolongue por delante de la perpendicular de proa, como por ejemplo ocurre con una proa de bulbo, las distancias estipuladas en el párrafo anterior se medirán desde un punto situado a :

- ✚ A mitad de dicha prolongación.
- ✚ A una distancia igual al 1.5% de la eslora del buque, por delante de la perpendicular de proa.
- ✚ A una distancia de 3 m. por delante de la perpendicular de proa.

Tomando el 5% de la eslora del buque desde la perpendicular de proa, se situará a 7.44 m. de dicha perpendicular.

PIQUE DE POPA:

La situación del pique de popa no está establecida por la sociedad de clasificación, su obtención será a partir del buque de referencia, estando situado a 13.23 m. de la perpendicular de popa

3.- COMPARTIMENTADO LONGITUDINAL:

CIERRE DE BOCINA:

Su obtención será a partir del buque de referencia, estando situado a 23.91 m. de la perpendicular de popa

CÁMARA DE MÁQUINAS:

La longitud de la cámara de máquinas será establecida en función de los motores:

- Dispondrá de dos motores MAN 12V51/60 DF (12000 kw – 514 rpm.):

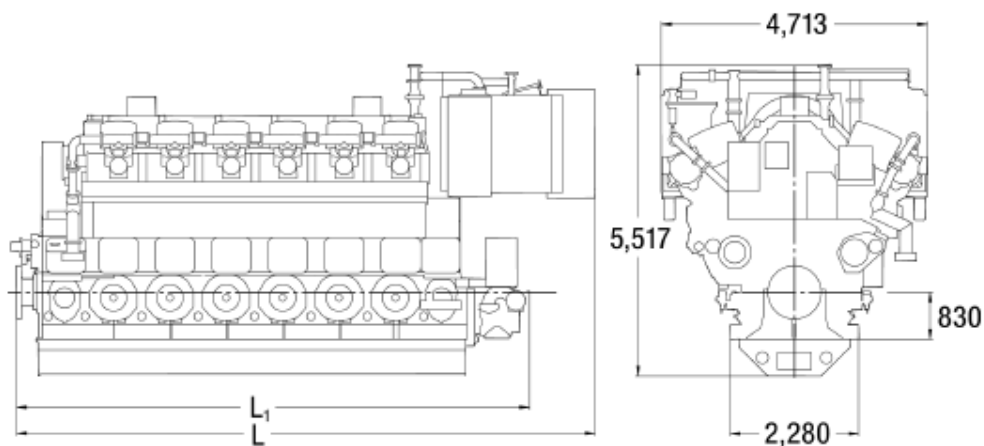


Figure 2-6 Main dimensions and weights – Engine V51/60DF

Engine	L	L ₁	W	H	Weight without fly-wheel
	mm				tons
12V51/60DF	10,254	9,088	4,713	5,517	187
14V51/60DF	11,254	10,088			213
16V51/60DF	12,254	11,088			240
18V51/60DF	13,644	12,088			265
All weights and dimensions are for guidance only and apply to dry engines without flywheel. Minimum centreline distance for twin engine installation: V-type engine 4,800 mm. More information available upon request.					

Table 2-6 Main dimensions and weights – Engine V51/60DF

- Longitud= 10.25 m.

La longitud establecida en la cámara de máquinas será de 17.08 m., dejando un margen de 6.83 m. proa – popa. Estará situada a 32.44 m. y 49.52 m. de la perpendicular de popa.

3.- COMPARTIMENTADO LONGITUDINAL:**LOCAL PROPULSORES PROA:**

El local de los propulsores de proa tendrá un tamaño, aproximadamente, 3 veces mayor que al propulsor. Los propulsores de proa modelo Wärtsilä CT / FT 200 H 50 tendrán un diámetro de 2.0 m. y el diámetro del túnel de salida será de 2.15 m.

Dicho local tendrá una longitud de 8.54 m. y estará situado a 152.00 m. y 160.54 m. de la perpendicular de popa.

LOCAL ALETAS ESTABILIZADORAS:

Dicho local tendrá una longitud de 8.54 m. y estará situado a 83.68 m. y 92.22 m. de la perpendicular de popa.

3.- COMPARTIMENTADO LONGITUDINAL:**RESUMEN:**

DISTANCIA DESDE Ppp (m.)	DESCRIPCIÓN
13,23	Mamparo pique de proa
23,91	Mamparo cierre de bocina
32,45	Mamparo estanco
49,52	Mamparo estanco
58,06	Mamparo estanco
66,6	Mamparo estanco
75,14	Mamparo estanco
83,68	Mamparo estanco
92,22	Mamparo estanco
100,77	Mamparo estanco
109,3	Mamparo estanco
117,84	Mamparo estanco
126,38	Mamparo estanco
134,92	Mamparo estanco
143,46	Mamparo estanco
152	Mamparo local propulsor proa
160,59	Mamparo colisión

4.- COMPARTIMENTADO TRANSVERSAL:

MAMPAROS LONGITUDINALES:

En la extensión transversal, medida hacia el interior del buque desde el costado, se ha de considerar que el compartimentado correspondiente al nivel de la línea de máxima carga será de una distancia igual a $B/5$. Esto se dispone de este modo ya que la extensión máxima en sentido transversal de la avería que provoca la inundación es de $B/5$.

Dicha distancia correspondería a tomar un valor de 5.64 m, por tanto correspondería a tener una distancia en manga de disposición de 16.92 m. Una vez superado el valor del puntal hasta la cubierta principal 9.53 m. el valor de doble casco del que se dispondrá corresponderá con un valor similar al de los buques base, siendo este de 0.9 m a cada banda.

4.- COMPARTIMENTADO VERTICAL:**DOBLE FONDO:**

En este apartado se determinará la colocación del doble fondo, el cual será estipulado por la sociedad de clasificación, en el caso del proyecto en cuestión, será DNV.

En buques de pasaje cuya eslora sea igual o superior a 76 m. irán provistos de un doble fondo que llegará hasta los mamparos de pique de proa y popa, o a puntos tan cercanos a éstos mamparos como sea posible. Siguiendo la norma, se establecerá una altura mínima de doble fondo de $B/20$, 1.32 m.

Se considerara una altura de doble fondo de 2.56 m.

CUBIERTA ESTANCA:

Las cubiertas estancas garantizan la flotabilidad después de averías. Se tomara la cubierta principal como cubierta estanca, la cual está situada a 9.53 m.

5.- TANQUES:

Tanques combustible:

✚ Dos unidades MAN 12V51/60 DF (12000kw – 514rpm).

✚ Consumo Combustible) al 85%, $183 \frac{\text{gr}}{\text{KW h}}$

✚ Autonomía: 2500 millas (a 22 nudos corresponderían a 114 horas)

✚ $P_{\text{combustible}} = 183 \frac{\text{gr}}{\text{KW h}} \times 12000\text{kw} \times 2\text{ud} \times 114 \text{ horas} = 500.68 \text{ ton.}$

Specific fuel consumption

	100% load	85% load
L+V 51/60DF (gaseous fuel)	7,260 kJ/kWh	7,400 kJ/kWh
L+V 51/60DF (liquid fuel)	184 g/kWh	183 g/kWh

5.- TANQUES:

Tanques aceite:

$$P_{\text{aceite}} = 0.05 P_{\text{combustible}} = 24.54 \text{ ton.}$$

Tanques combustible auxiliares:

$$P_{\text{auxiliares}} = 0.15 P_{\text{combustible}} = 73.62 \text{ ton.}$$

Tanques agua dulce y sanitaria:

$$P_{\text{agua}} = 1000 \text{ personas} \times 4.75 \text{ días} \times 120 \frac{\text{litros}}{\text{persona día}} = 570.0 \text{ ton.}$$

Tanques lastre:

Se supondrá un valor de:

- $P_{\text{lastre}} = 3753.24 \text{ ton.}$

Otros tanques:

Se expondrán en el resumen de tanques de la página siguiente.

5.- TANQUES:

RESUMIEN

Academic Version

	Item Name	Quantity	Unit Mass tonne	Total Mass tonne	Unit Volume m ³	Total Volume m ³	Long. Arm m	Trans. Arm m	Vert. Arm m	Total FSM tonne.m	FSM Type
1	LASTRE 1	50%	293.857	146.929	286.690	143.345	165.818	0.000	3.006	247.825	Maximum
2	LASTRE 2	50%	82.930	41.465	80.907	40.453	147.466	0.000	0.991	150.394	Maximum
3	LASTRE 3	50%	122.105	61.053	119.127	59.563	138.641	0.000	0.939	361.458	Maximum
4	LASTRE 4	50%	261.036	130.518	254.669	127.335	113.379	0.000	0.843	3004.693	Maximum
5	LASTRE 5	50%	315.494	157.747	307.799	153.900	104.867	0.000	0.784	3529.336	Maximum
6	LASTRE 8	50%	360.197	180.098	351.411	175.706	79.410	0.000	0.640	3533.472	Maximum
7	LASTRE 9	50%	360.202	180.101	351.416	175.708	70.870	0.000	0.640	3533.472	Maximum
8	REBOSE D.O.	50%	22.375	11.187	26.636	13.318	64.915	-6.835	0.640	8.098	Maximum
9	REBOSE F.O.	50%	25.152	12.576	26.635	13.318	61.545	-6.835	0.640	9.104	Maximum
10	LODOS	50%	22.464	11.232	24.604	12.302	51.195	-6.817	0.748	8.619	Maximum
11	ALMACEN ACEITE 1	50%	28.991	14.496	31.512	15.756	41.704	-4.233	1.102	4.287	Maximum
12	ALMACEN ACEITE 2	50%	28.991	14.496	31.512	15.756	41.704	4.233	1.102	4.287	Maximum
13	AGUAS CILINDRICAS	50%	10.139	5.070	10.139	5.070	44.583	0.000	0.827	3.699	Maximum
14	ACEITE SUCIO	50%	16.836	8.418	18.300	9.150	42.447	0.000	0.923	6.509	Maximum
15	ALMACEN ACEITE 3	50%	15.073	7.536	16.383	8.192	39.621	0.000	1.088	6.486	Maximum
16	AGUAS ACEITOSAS	50%	12.913	6.457	14.036	7.018	36.806	0.000	1.300	6.509	Maximum
17	DERRAME BANDEJA F.O.	50%	6.748	3.374	7.146	3.573	34.007	-0.984	1.567	1.842	Maximum
18	DERRAME BANDEJA ACEITE	50%	6.574	3.287	7.146	3.573	34.007	0.984	1.567	1.795	Maximum
19	AGUA DULCE 1	50%	103.453	51.726	103.453	51.726	145.563	0.000	3.494	146.543	Maximum
20	ALMACEN F.O. 1	50%	105.822	52.911	112.064	56.032	61.585	-10.830	3.442	59.082	Maximum
21	DECANTACION F.O. 1	50%	114.678	57.339	121.442	60.721	54.240	-10.830	3.442	64.026	Maximum
22	ALMACEN F.O. 2	50%	105.822	52.911	112.064	56.032	61.585	10.830	3.442	59.082	Maximum
23	ALMACEN D.O.	50%	89.994	44.997	107.136	53.568	53.790	10.830	3.442	50.245	Maximum
24	AGUA TECNICA	50%	29.175	14.588	29.175	14.588	30.950	0.000	3.442	6.097	Maximum
25	LASTRE 14	50%	126.375	63.188	123.293	61.647	10.438	0.000	5.324	3591.397	Maximum
26	AGUA DULCE 2	50%	103.820	51.910	103.820	51.910	145.595	0.000	6.950	146.543	Maximum
27	TANQUE ANTIESCORRA 1	50%	158.952	79.476	155.075	77.537	96.495	-11.235	6.950	124.850	Maximum
28	TANQUE ANTIESCORRA 2	50%	158.952	79.476	155.075	77.537	96.495	11.235	6.950	124.850	Maximum
29	ALMACEN F.O. 3	50%	103.124	51.562	109.207	54.603	61.585	-10.830	6.950	59.082	Maximum
30	DECANTACION F.O. 2	50%	37.739	18.869	39.965	19.983	56.770	-10.830	6.950	21.621	Maximum
31	U.D. F.O. 1	50%	37.008	18.504	39.190	19.595	54.215	-10.830	6.950	21.202	Maximum
32	U.D. F.O. 2	50%	37.008	18.504	39.191	19.595	51.685	-10.830	6.950	21.202	Maximum
33	U.D. D.O. 1	50%	14.000	7.000	16.667	8.333	51.770	-1.900	6.950	4.127	Maximum
34	U.D. D.O. 2	50%	14.000	7.000	16.667	8.333	50.270	-1.900	6.950	4.127	Maximum
35	ALMACEN F.O. 4	50%	103.124	51.562	109.207	54.603	61.585	10.830	6.950	59.082	Maximum
36	LASTRE 15	50%	491.956	245.978	479.957	239.978	8.890	0.000	6.950	3591.397	Maximum
37	AGUA DULCE 3	50%	304.763	152.382	304.763	152.382	19.640	0.000	6.950	926.711	Maximum
38	AGUA DULCE 4	50%	118.330	59.165	118.330	59.165	14.300	0.000	6.950	863.841	Maximum
39	LASTRE 6	50%	347.129	173.564	338.662	169.331	96.413	0.000	0.698	3537.607	Maximum
40	LASTRE 7	50%	358.575	179.287	349.829	174.915	87.931	0.000	0.648	3533.472	Maximum
41	LASTRE 10	50%	14.569	7.284	14.213	7.107	58.961	-6.833	0.642	5.278	Maximum
42	LASTRE 11	50%	290.990	145.495	283.893	141.947	62.331	1.624	0.640	1863.399	Maximum
43	LASTRE 12	50%	41.769	20.885	40.751	20.375	55.470	-6.825	0.671	15.365	Maximum
44	LASTRE 13	50%	286.064	143.032	279.087	139.543	53.860	1.573	0.672	1863.400	Maximum
45	ALMACEN F.O. 5	50%	98.589	49.295	104.405	52.202	53.790	10.830	6.950	56.484	Maximum
46	Total Loadcase			2893.929	5772.652	2886.326	74.361	-0.070	3.116	35241.996	
47	FS correction								12.178		

Academic Version

	Item Name	Quantity	Unit Mass tonne	Total Mass tonne	Unit Volume m ³	Total Volume m ³	Long. Arm m	Trans. Arm m	Vert. Arm m	Total FSM tonne.m	FSM Type
48	VCG fluid								15.294		

Academic Version

	Item Name	Quantity	Unit Mass tonne	Total Mass tonne	Unit Volume m^3	Total Volume m^3	Long. Arm m	Trans. Arm m	Vert. Arm m	Total FSM tonne.m	FSM Type
1	LASTRE 1	100%	293.857	293.857	286.690	286.690	165.463	0.000	4.989	0.000	Maximum
2	LASTRE 2	100%	82.930	82.930	80.907	80.907	147.503	0.000	1.552	0.000	Maximum
3	LASTRE 3	100%	122.105	122.105	119.127	119.127	138.668	0.000	1.514	0.000	Maximum
4	LASTRE 4	100%	261.036	261.036	254.669	254.669	113.398	0.000	1.445	0.000	Maximum
5	LASTRE 5	100%	315.494	315.494	307.799	307.799	104.939	0.000	1.391	0.000	Maximum
6	LASTRE 6	100%	347.129	347.129	338.662	338.662	96.454	0.000	1.321	0.000	Maximum
7	LASTRE 7	100%	358.575	358.575	349.829	349.829	87.940	0.000	1.285	0.000	Maximum
8	LASTRE 8	100%	360.197	360.197	351.411	351.411	79.410	0.000	1.280	0.000	Maximum
9	LASTRE 9	100%	360.202	360.202	351.416	351.416	70.870	0.000	1.280	0.000	Maximum
10	REBOSE D.O.	100%	22.375	22.375	26.636	26.636	64.915	-6.835	1.280	0.000	Maximum
11	REBOSE F.O.	100%	25.152	25.152	26.635	26.635	61.545	-6.835	1.280	0.000	Maximum
12	LASTRE 10	100%	14.569	14.569	14.213	14.213	58.960	-6.834	1.281	0.000	Maximum
13	LASTRE 11	100%	290.990	290.990	283.893	283.893	62.330	1.625	1.280	0.000	Maximum
14	LASTRE 12	100%	41.769	41.769	40.751	40.751	55.455	-6.830	1.300	0.000	Maximum
15	LODOS	100%	22.464	22.464	24.604	24.604	51.182	-6.826	1.352	0.000	Maximum
16	LASTRE 13	100%	286.064	286.064	279.087	279.087	53.825	1.599	1.301	0.000	Maximum
17	ALMACEN ACEITE 1	100%	28.991	28.991	31.512	31.512	41.344	-4.239	1.594	0.000	Maximum
18	ALMACEN ACEITE 2	100%	28.991	28.991	31.512	31.512	41.344	4.239	1.594	0.000	Maximum
19	AGUAS CILINDRICAS	100%	10.139	10.139	10.139	10.139	44.579	0.000	1.405	0.000	Maximum
20	ACEITE SUCIO	100%	16.836	16.836	18.300	18.300	42.426	0.000	1.469	0.000	Maximum
21	ALMACEN ACEITE 3	100%	15.073	15.073	16.383	16.383	39.591	0.000	1.579	0.000	Maximum
22	AGUAS ACEITOSAS	100%	12.913	12.913	14.036	14.036	36.760	0.000	1.721	0.000	Maximum
23	DERRAME BANDEJA F.O.	100%	6.748	6.748	7.146	7.146	33.938	-0.997	1.899	0.000	Maximum
24	DERRAME BANDEJA ACEITE	100%	6.574	6.574	7.146	7.146	33.938	0.997	1.899	0.000	Maximum
25	AGUA DULCE 1	100%	103.453	103.453	103.453	103.453	145.579	0.000	4.364	0.000	Maximum
26	ALMACEN F.O. 1	100%	105.822	105.822	112.064	112.064	61.585	-10.830	4.325	0.000	Maximum
27	DECANTACION F.O. 1	100%	114.678	114.678	121.442	121.442	54.240	-10.830	4.325	0.000	Maximum
28	ALMACEN F.O. 2	100%	105.822	105.822	112.064	112.064	61.585	10.830	4.325	0.000	Maximum
29	ALMACEN D.O.	100%	89.994	89.994	107.136	107.136	53.790	10.830	4.325	0.000	Maximum
30	AGUA TECNICA	100%	29.175	29.175	29.175	29.175	30.950	0.000	4.325	0.000	Maximum
31	LASTRE 14	100%	126.375	126.375	123.293	123.293	9.674	0.000	5.596	0.000	Maximum
32	AGUA DULCE 2	100%	103.820	103.820	103.820	103.820	145.595	0.000	7.810	0.000	Maximum
33	TANQUE ANTIESCORRA 1	100%	158.952	158.952	155.075	155.075	96.495	-11.235	7.810	0.000	Maximum
34	TANQUE ANTIESCORRA 2	100%	158.952	158.952	155.075	155.075	96.495	11.235	7.810	0.000	Maximum
35	ALMACEN F.O. 3	100%	103.124	103.124	109.207	109.207	61.585	-10.830	7.810	0.000	Maximum
36	DECANTACION F.O. 2	100%	37.739	37.739	39.965	39.965	56.770	-10.830	7.810	0.000	Maximum
37	U.D. F.O. 1	100%	37.008	37.008	39.190	39.190	54.215	-10.830	7.810	0.000	Maximum
38	U.D. F.O. 2	100%	37.008	37.008	39.191	39.191	51.685	-10.830	7.810	0.000	Maximum
39	U.D. D.O. 1	100%	14.000	14.000	16.667	16.667	51.770	-1.900	7.810	0.000	Maximum
40	U.D. D.O. 2	100%	14.000	14.000	16.667	16.667	50.270	-1.900	7.810	0.000	Maximum
41	ALMACEN F.O. 4	100%	103.124	103.124	109.207	109.207	61.585	10.830	7.810	0.000	Maximum
42	AGUA DULCE 3	100%	304.763	304.763	304.763	304.763	19.640	0.000	7.810	0.000	Maximum
43	AGUA DULCE 4	100%	118.330	118.330	118.330	118.330	14.300	0.000	7.810	0.000	Maximum
44	LASTRE 15	100%	491.956	491.956	479.957	479.957	8.890	0.000	7.810	0.000	Maximum
45	ALMACEN F.O. 5	100%	98.589	98.589	104.405	104.405	53.790	10.830	7.810	0.000	Maximum
46	Total Loadcase			5787.857	5772.652	5772.652	74.329	-0.068	3.896	0.000	
47	FS correction								0.000		

Academic Version

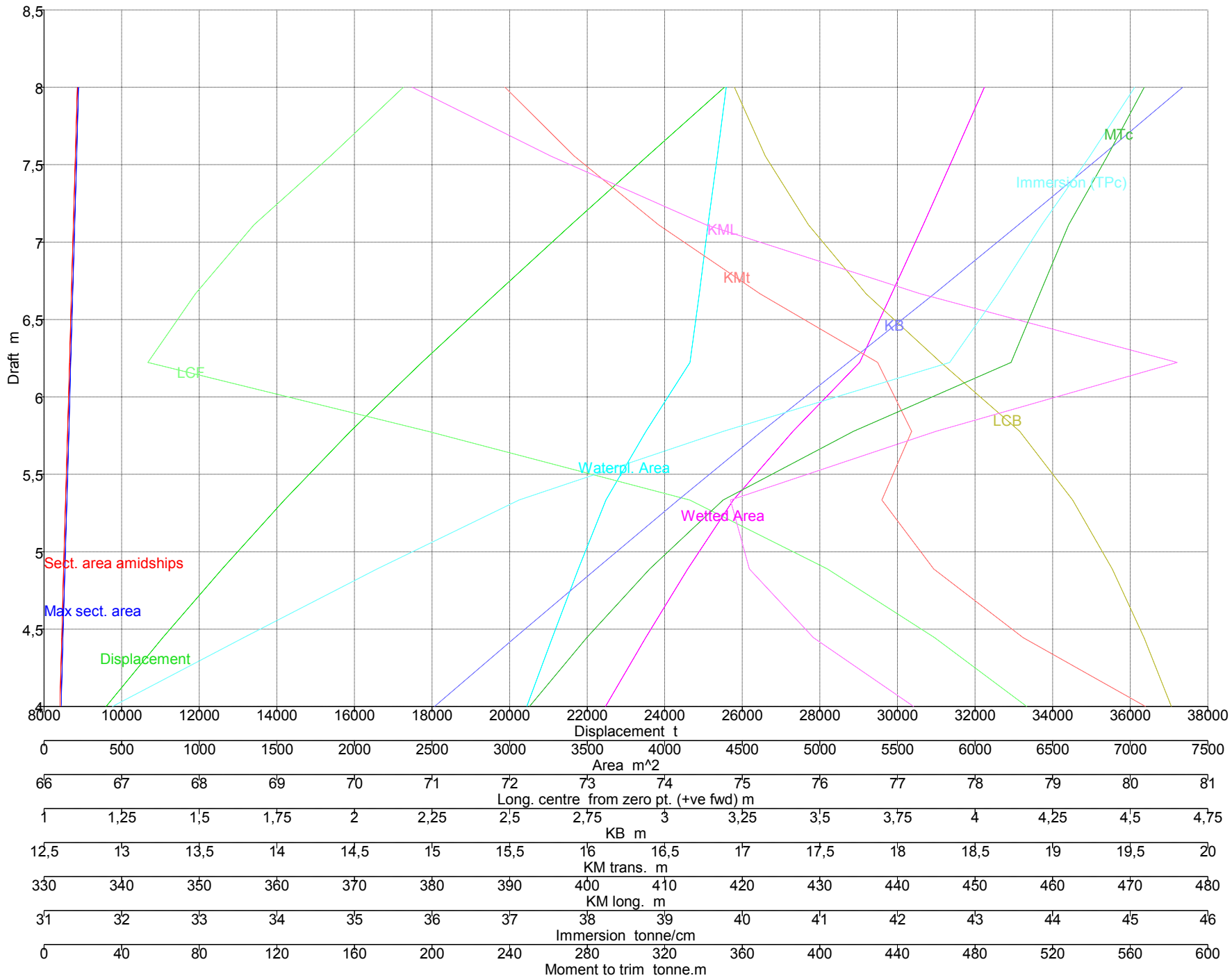
	Item Name	Quantity	Unit Mass tonne	Total Mass tonne	Unit Volume m ³	Total Volume m ³	Long. Arm m	Trans. Arm m	Vert. Arm m	Total FSM tonne.m	FSM Type
48	VCG fluid								3.896		

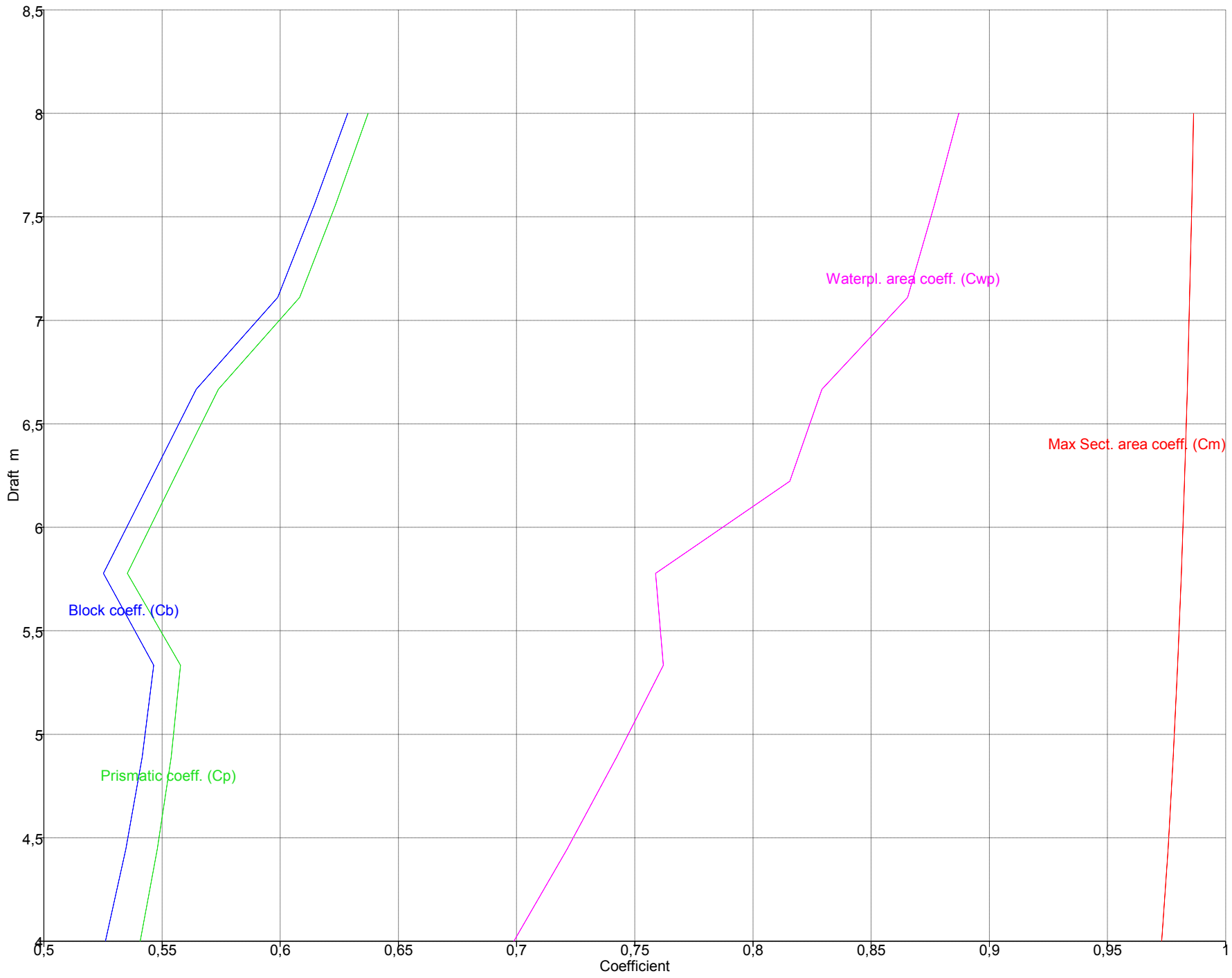
6.- CÁLCULOS HIDROESTÁTICOS:

ASIENTO 0.00 m.

RESUMIEN

	Draft Amidships m	4,000	4,444	4,889	5,333	5,778	6,222	6,667	7,111	7,556	8,000
1	Displacement t	9600	11060	12590	14198	15900	17739	19650	21586	23550	25539
2	Heel deg	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
3	Draft at FP m	4,000	4,444	4,889	5,333	5,778	6,222	6,667	7,111	7,556	8,000
4	Draft at AP m	4,000	4,444	4,889	5,333	5,778	6,222	6,667	7,111	7,556	8,000
5	Draft at LCF m	4,000	4,444	4,889	5,333	5,778	6,222	6,667	7,111	7,556	8,000
6	Trim (+ve by stern) m	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
7	WL Length m	157,808	160,995	164,472	168,493	181,231	180,987	180,606	175,299	175,491	175,690
8	Beam max extents on WL m	28,205	28,205	28,205	28,205	28,205	28,205	28,205	28,205	28,205	28,205
9	Wetted Area m ²	3618,29	3877,72	4148,42	4441,51	4826,37	5256,68	5462,84	5665,23	5863,65	6060,34
10	Waterpl. Area m ²	3110,29	3275,35	3443,31	3621,72	3878,57	4163,26	4223,56	4278,94	4339,46	4395,88
11	Prismatic coeff. (Cp)	0,541	0,548	0,554	0,558	0,535	0,555	0,574	0,608	0,623	0,637
12	Block coeff. (Cb)	0,526	0,535	0,542	0,547	0,525	0,545	0,565	0,599	0,614	0,629
13	Max Sect. area coeff. (Cm)	0,973	0,976	0,978	0,980	0,981	0,983	0,984	0,985	0,986	0,986
14	Waterpl. area coeff. (Cwp)	0,699	0,721	0,742	0,762	0,759	0,816	0,829	0,865	0,877	0,887
15	LCB from zero pt. (+ve fwd) m	80,529	80,178	79,768	79,259	78,575	77,559	76,594	75,852	75,297	74,897
16	LCF from zero pt. (+ve fwd) m	78,667	77,479	76,098	74,322	70,950	67,339	67,951	68,706	69,693	70,630
17	KB m	2,258	2,517	2,779	3,043	3,312	3,591	3,869	4,140	4,406	4,669
18	KG m	6,090	6,090	6,090	6,090	6,090	6,090	6,090	6,090	6,090	6,090
19	BMt m	17,341	16,291	15,455	14,856	14,779	14,281	13,246	12,321	11,511	10,802
20	BML m	439,836	426,634	418,124	415,439	441,639	472,460	439,088	411,192	390,933	372,785
21	GMt m	13,509	12,719	12,144	11,809	12,001	11,783	11,025	10,370	9,827	9,381
22	GML m	436,004	423,062	414,813	412,392	438,862	469,961	436,867	409,242	389,249	371,364
23	KMt m	19,599	18,809	18,234	17,899	18,091	17,873	17,115	16,460	15,917	15,471
24	KML m	442,094	429,152	420,903	418,482	444,952	476,051	442,957	415,332	395,339	377,454
25	Immersion (TPc) tonne/cm	31,880	33,572	35,294	37,123	39,755	42,673	43,292	43,859	44,479	45,058
26	MTc tonne.m	250,304	279,793	312,297	350,127	417,273	498,517	513,328	528,269	548,158	567,158
27	RM at 1deg = GMt.Disp.sin(1) tonne.m	2263,43	2454,94	2668,27	2926,17	3330,22	3647,76	3780,68	3906,90	4038,99	4181,36
28	Max deck inclination deg	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000
29	Trim angle (+ve by stern) deg	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000



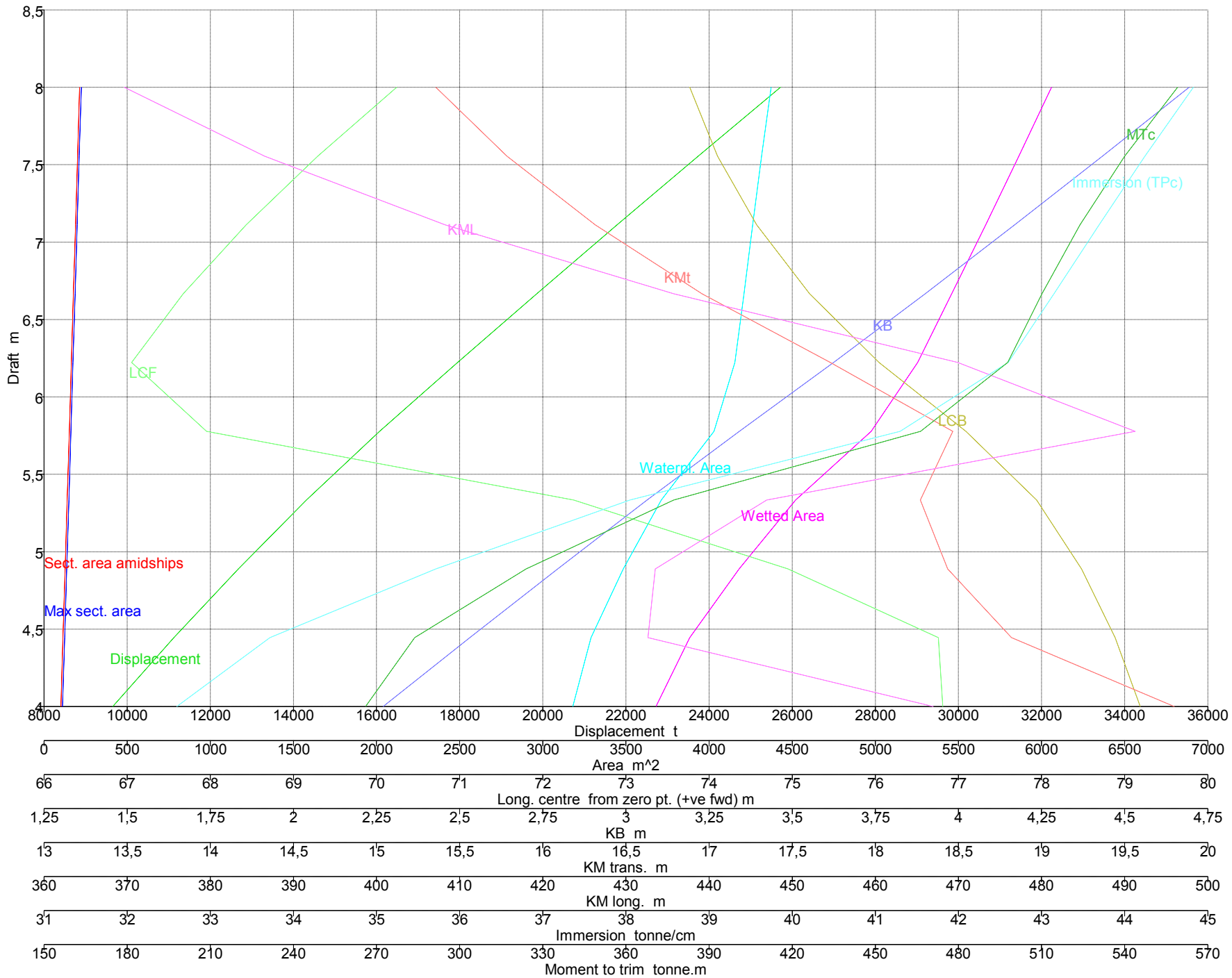


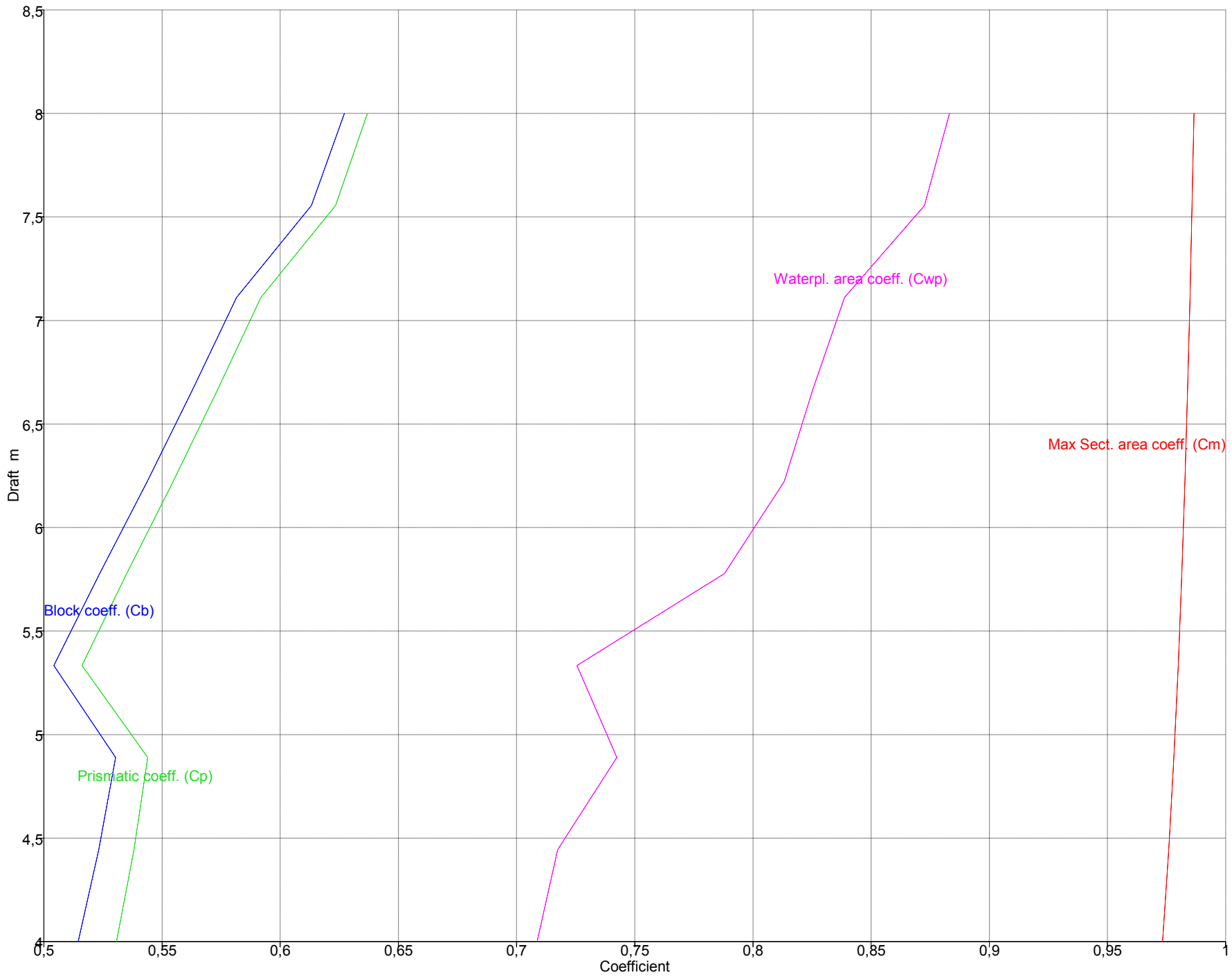
6.- CÁLCULOS HIDROESTÁTICOS:

ASIENTO + 0.50 m. (EN POPA)

RESUMIEN

	Draft Amidships m	4,000	4,444	4,889	5,333	5,778	6,222	6,667	7,111	7,556	8,000
1	Displacement t	9654	11125	12675	14312	16073	17949	19854	21784	23737	25717
2	Heel deg	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
3	Draft at FP m	3,750	4,194	4,639	5,083	5,528	5,972	6,417	6,861	7,306	7,750
4	Draft at AP m	4,250	4,694	5,139	5,583	6,028	6,472	6,917	7,361	7,806	8,250
5	Draft at LCF m	4,020	4,465	4,915	5,367	5,825	6,272	6,714	7,157	7,598	8,040
6	Trim (+ve by stern) m	0,500	0,500	0,500	0,500	0,500	0,500	0,500	0,500	0,500	0,500
7	WL Length m	159,106	162,582	166,408	181,389	181,291	181,193	180,851	180,200	175,384	175,576
8	Beam max extents on WL m	28,205	28,205	28,205	28,205	28,205	28,205	28,205	28,205	28,205	28,205
9	Wetted Area m ²	3680,65	3883,97	4180,48	4520,96	4975,16	5255,12	5459,57	5663,43	5863,58	6060,44
10	Waterpl. Area m ²	3180,05	3289,63	3484,28	3712,07	4028,96	4155,88	4209,75	4262,62	4316,42	4373,39
11	Prismatic coeff. (Cp)	0,531	0,538	0,544	0,516	0,535	0,555	0,574	0,592	0,623	0,637
12	Block coeff. (Cb)	0,515	0,523	0,530	0,504	0,524	0,544	0,563	0,582	0,613	0,627
13	Max Sect. area coeff. (Cm)	0,973	0,976	0,978	0,980	0,981	0,983	0,984	0,985	0,986	0,987
14	Waterpl. area coeff. (Cwp)	0,709	0,717	0,742	0,726	0,788	0,813	0,825	0,839	0,873	0,883
15	LCB from zero pt. (+ve fwd) m	79,187	78,883	78,480	77,941	77,091	76,045	75,209	74,574	74,101	73,768
16	LCF from zero pt. (+ve fwd) m	76,812	76,759	74,949	72,373	67,954	67,054	67,674	68,431	69,293	70,243
17	KB m	2,270	2,531	2,795	3,064	3,341	3,624	3,900	4,169	4,433	4,694
18	KG m	6,090	6,090	6,090	6,090	6,090	6,090	6,090	6,090	6,090	6,090
19	BMt m	17,529	16,288	15,640	15,207	15,124	14,104	13,058	12,147	11,352	10,664
20	BML m	464,710	430,114	430,749	443,857	487,924	466,274	431,863	404,074	382,090	364,974
21	GMt m	13,695	12,715	12,330	12,164	12,356	11,616	10,842	10,198	9,666	9,238
22	GML m	460,877	426,540	427,439	440,813	485,156	463,786	429,647	402,126	380,404	363,548
23	KMt m	19,798	18,819	18,435	18,271	18,465	17,729	16,957	16,315	15,784	15,357
24	KML m	466,978	432,643	433,542	446,918	491,263	469,897	435,761	408,241	386,521	369,666
25	Immersion (TPc) tonne/cm	32,596	33,719	35,714	38,049	41,297	42,598	43,150	43,692	44,243	44,827
26	MTc tonne.m	266,059	283,771	323,976	377,260	466,304	497,786	510,102	523,829	539,968	559,077
27	RM at 1deg = Gmt.Disp.sin(1) tonne.m	2307,42	2468,77	2727,38	3038,23	3465,97	3638,71	3756,90	3877,22	4004,36	4146,07
28	Max deck inclination deg	0,1713	0,1713	0,1713	0,1713	0,1713	0,1713	0,1713	0,1713	0,1713	0,1713
29	Trim angle (+ve by stern) deg	0,1713	0,1713	0,1713	0,1713	0,1713	0,1713	0,1713	0,1713	0,1713	0,1713



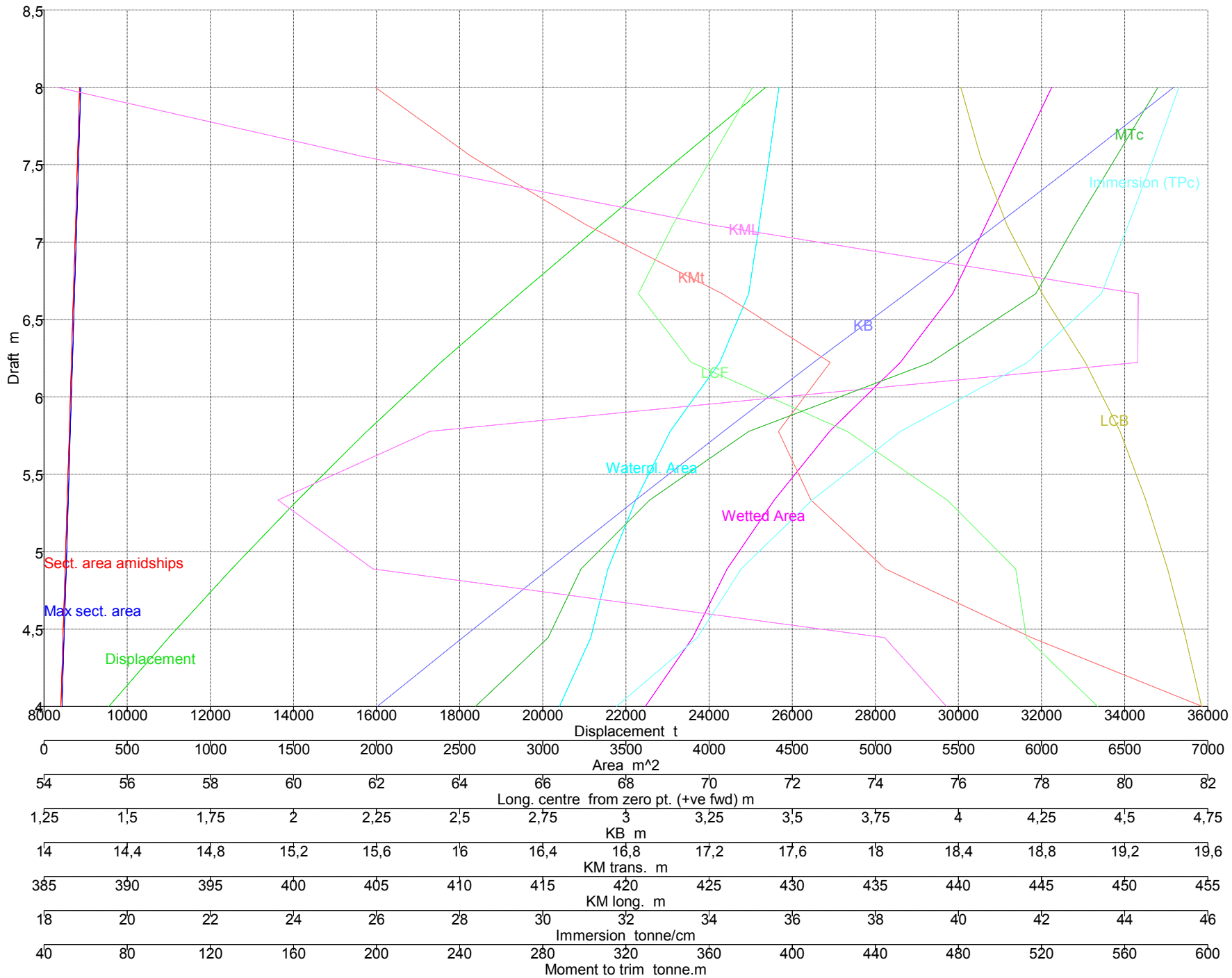


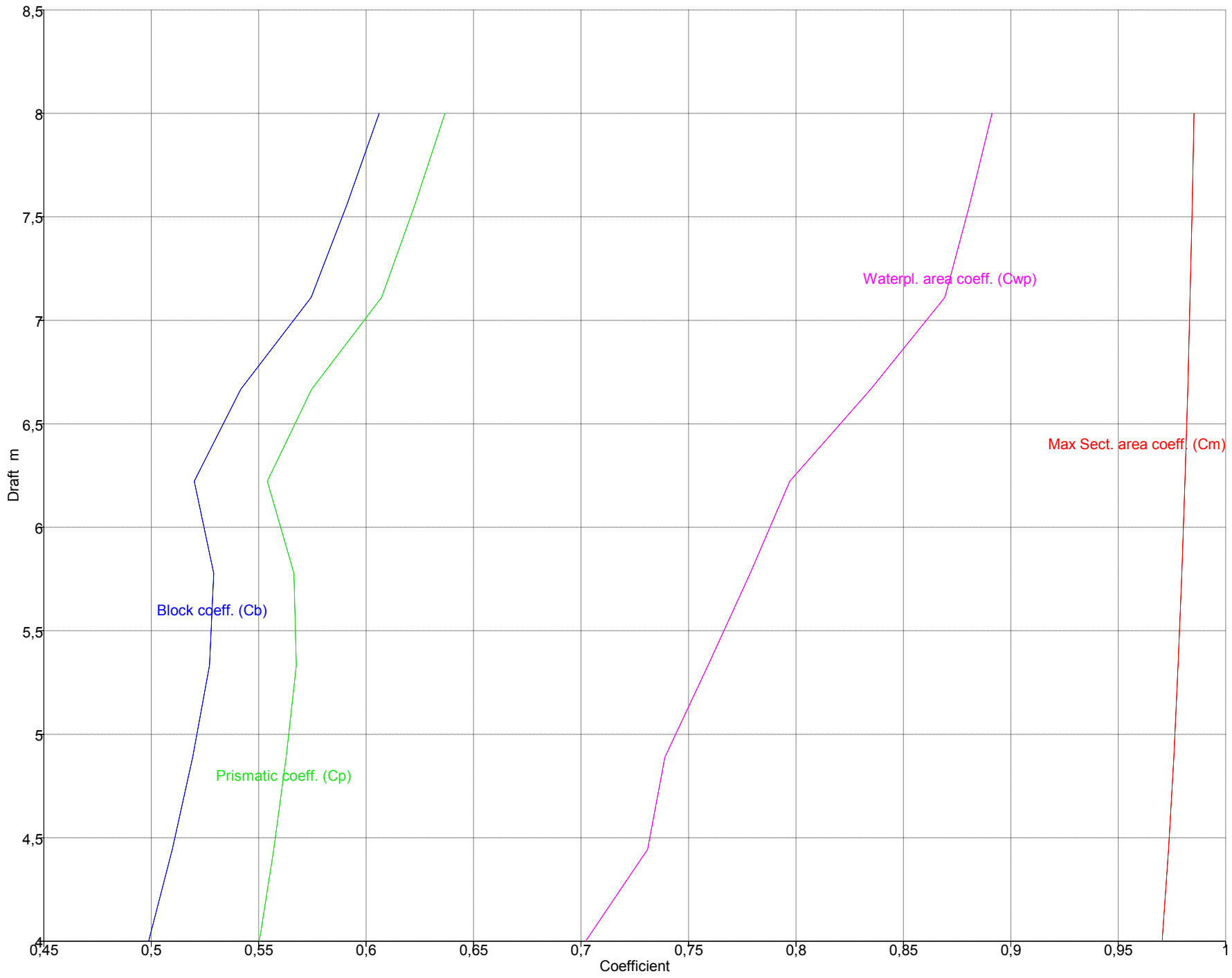
6.- CÁLCULOS HIDROESTÁTICOS:

ASIENTO - 0.50 m. (EN POPA)

RESUMEN

	Draft Amidships m	4,000	4,444	4,889	5,333	5,778	6,222	6,667	7,111	7,556	8,000
1	Displacement t	9556	11001	12514	14102	15768	17545	19448	21393	23366	25367
2	Heel deg	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
3	Draft at FP m	4,250	4,694	5,139	5,583	6,028	6,472	6,917	7,361	7,806	8,250
4	Draft at AP m	3,750	4,194	4,639	5,083	5,528	5,972	6,417	6,861	7,306	7,750
5	Draft at LCF m	3,987	4,427	4,870	5,310	5,747	6,180	6,621	7,068	7,515	7,962
6	Trim (+ve by stern) m	-0,500	-0,500	-0,500	-0,500	-0,500	-0,500	-0,500	-0,500	-0,500	-0,500
7	WL Length m	156,523	159,542	162,744	166,221	171,491	180,782	180,006	175,408	175,601	175,845
8	Beam max extents on WL m	28,205	28,205	28,205	28,205	28,205	28,205	28,205	28,205	28,205	28,205
9	Wetted Area m ²	3615,97	3900,93	4108,41	4392,08	4725,26	5150,49	5464,25	5665,22	5863,47	6061,43
10	Waterpl. Area m ²	3099,54	3289,25	3392,07	3558,84	3766,31	4064,55	4237,89	4300,82	4362,04	4420,12
11	Prismatic coeff. (Cp)	0,550	0,557	0,563	0,568	0,566	0,554	0,575	0,607	0,623	0,637
12	Block coeff. (Cb)	0,499	0,510	0,519	0,527	0,529	0,520	0,542	0,574	0,591	0,606
13	Max Sect. area coeff. (Cm)	0,970	0,973	0,976	0,978	0,980	0,981	0,982	0,983	0,984	0,985
14	Waterpl. area coeff. (Cwp)	0,702	0,731	0,739	0,759	0,779	0,797	0,835	0,869	0,881	0,891
15	LCB from zero pt. (+ve fwd) m	81,849	81,466	81,031	80,510	79,885	79,051	78,012	77,163	76,526	76,055
16	LCF from zero pt. (+ve fwd) m	79,354	77,633	77,380	75,732	73,320	69,570	68,300	69,128	70,085	71,049
17	KB m	2,252	2,509	2,768	3,030	3,294	3,565	3,842	4,115	4,383	4,648
18	KG m	6,090	6,090	6,090	6,090	6,090	6,090	6,090	6,090	6,090	6,090
19	BMt m	17,322	16,242	15,281	14,661	14,240	14,219	13,422	12,494	11,671	10,945
20	BML m	437,041	433,055	402,030	396,045	404,910	447,220	446,974	421,010	399,716	381,161
21	GMt m	13,490	12,668	11,966	11,610	11,455	11,707	11,191	10,538	9,986	9,526
22	GML m	433,208	429,481	398,716	392,994	402,125	444,708	444,743	419,054	398,031	379,741
23	KMt m	19,574	18,751	18,049	17,690	17,533	17,783	17,264	16,609	16,054	15,593
24	KML m	439,291	435,562	404,797	399,073	408,202	450,782	450,814	425,123	404,098	385,807
25	Immersion (TPc) tonne/cm	31,770	33,715	34,769	36,478	38,605	41,662	43,438	44,083	44,711	45,306
26	MTc tonne.m	247,557	282,530	298,378	331,398	379,174	466,578	517,233	536,087	556,163	576,029
27	RM at 1deg = Gmt.Disp.sin(1) tonne.m	2249,78	2432,10	2613,53	2857,26	3152,27	3584,77	3798,47	3934,56	4072,15	4217,09
28	Max deck inclination deg	0,1713	0,1713	0,1713	0,1713	0,1713	0,1713	0,1713	0,1713	0,1713	0,1713
29	Trim angle (+ve by stern) deg	-0,1713	-0,1713	-0,1713	-0,1713	-0,1713	-0,1713	-0,1713	-0,1713	-0,1713	-0,1713





Block coeff. (Cb)

Prismatic coeff. (Cp)

Waterpl. area coeff. (Cwp)

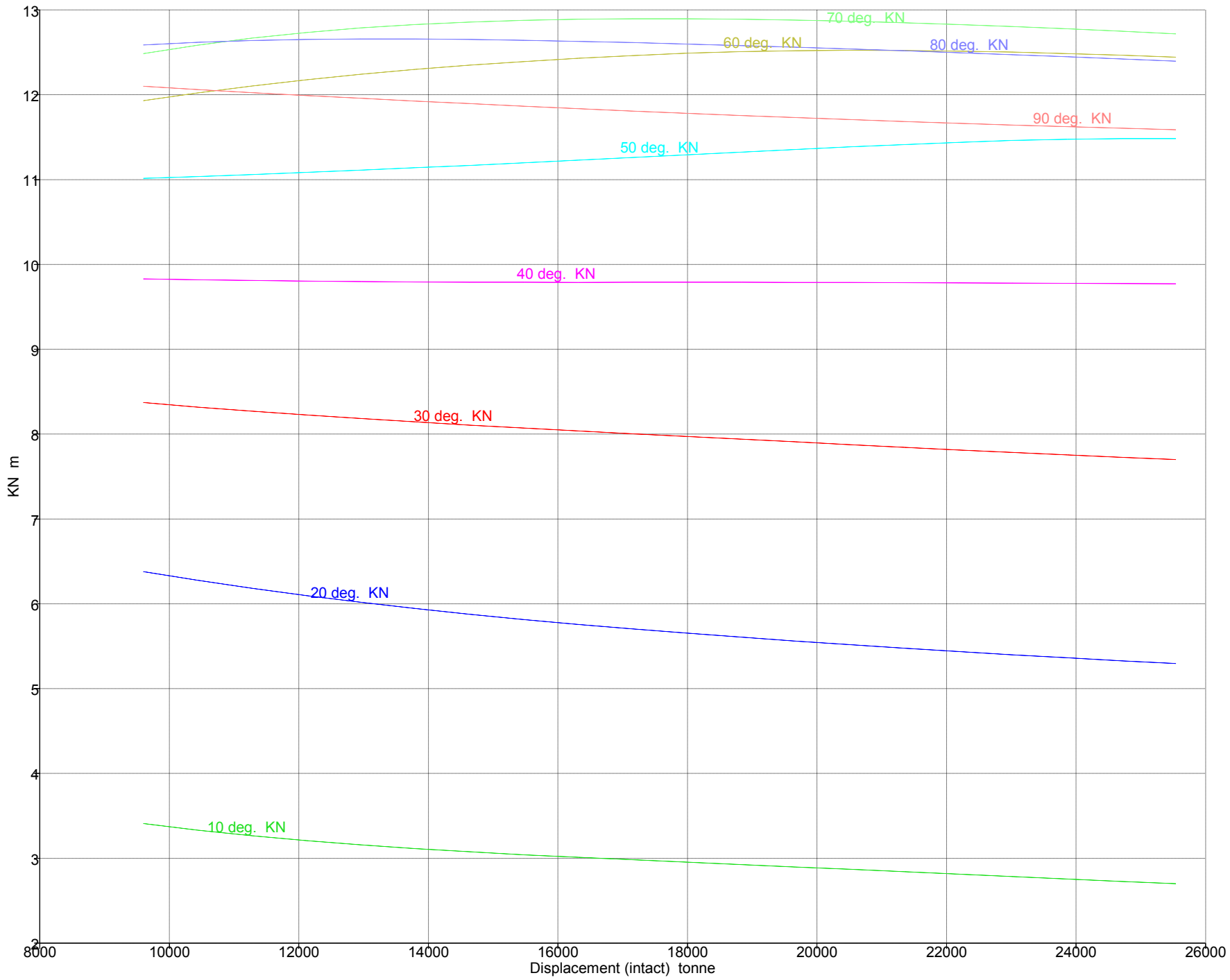
Max Sect. area coeff. (Cm)

7.- CURVAS KN:

ASIENTO 0.00 m. (EN POPA)

RESUMIEN

	Displacement (intact) tonne	Draft Amidships m	Trim (+ve by stern) m	LCG m	TCG m	Assumed VCG m	KN 10,0 deg. Starb.	KN 20,0 deg. Starb.	KN 30,0 deg. Starb.	KN 40,0 deg. Starb.	KN 50,0 deg. Starb.	KN 60,0 deg. Starb.	KN 70,0 deg. Starb.	KN 80,0 deg. Starb.	KN 90,0 deg. Starb.
1	9600	4,000	0,000	80,529	0,000	0,000	3,410	6,378	8,371	9,829	11,014	11,930	12,484	12,586	12,100
2	10439	4,258	0,000	80,336	0,000	0,000	3,331	6,277	8,318	9,818	11,036	12,022	12,585	12,618	12,061
3	11278	4,509	0,000	80,125	0,000	0,000	3,265	6,184	8,271	9,810	11,060	12,104	12,667	12,640	12,025
4	12117	4,754	0,000	79,909	0,000	0,000	3,208	6,098	8,225	9,803	11,085	12,177	12,734	12,652	11,991
5	12956	4,992	0,000	79,663	0,000	0,000	3,158	6,018	8,183	9,798	11,111	12,242	12,787	12,657	11,958
6	13794	5,224	0,000	79,398	0,000	0,000	3,115	5,944	8,144	9,793	11,139	12,299	12,828	12,656	11,926
7	14633	5,450	0,000	79,103	0,000	0,000	3,076	5,877	8,106	9,790	11,167	12,348	12,857	12,651	11,895
8	15472	5,669	0,000	78,768	0,000	0,000	3,042	5,815	8,070	9,789	11,197	12,391	12,877	12,642	11,865
9	16311	5,880	0,000	78,368	0,000	0,000	3,011	5,757	8,037	9,789	11,228	12,428	12,889	12,629	11,836
10	17150	6,083	0,000	77,903	0,000	0,000	2,982	5,704	8,005	9,789	11,260	12,462	12,895	12,615	11,808
11	17989	6,281	0,000	77,418	0,000	0,000	2,955	5,655	7,973	9,790	11,292	12,489	12,895	12,598	11,780
12	18828	6,476	0,000	76,978	0,000	0,000	2,927	5,607	7,941	9,790	11,324	12,508	12,890	12,580	11,754
13	19667	6,671	0,000	76,586	0,000	0,000	2,899	5,561	7,909	9,789	11,355	12,519	12,880	12,560	11,730
14	20506	6,864	0,000	76,240	0,000	0,000	2,870	5,517	7,876	9,787	11,385	12,523	12,867	12,540	11,707
15	21345	7,056	0,000	75,934	0,000	0,000	2,842	5,476	7,845	9,785	11,413	12,521	12,849	12,518	11,685
16	22183	7,247	0,000	75,664	0,000	0,000	2,813	5,436	7,814	9,782	11,440	12,514	12,828	12,495	11,663
17	23022	7,437	0,000	75,429	0,000	0,000	2,785	5,399	7,784	9,780	11,461	12,502	12,805	12,472	11,643
18	23861	7,626	0,000	75,225	0,000	0,000	2,756	5,363	7,755	9,778	11,475	12,486	12,778	12,447	11,624
19	24700	7,813	0,000	75,049	0,000	0,000	2,727	5,329	7,727	9,775	11,482	12,466	12,750	12,422	11,605
20	25539	8,000	0,000	74,897	0,000	0,000	2,700	5,296	7,700	9,773	11,484	12,443	12,719	12,397	11,587

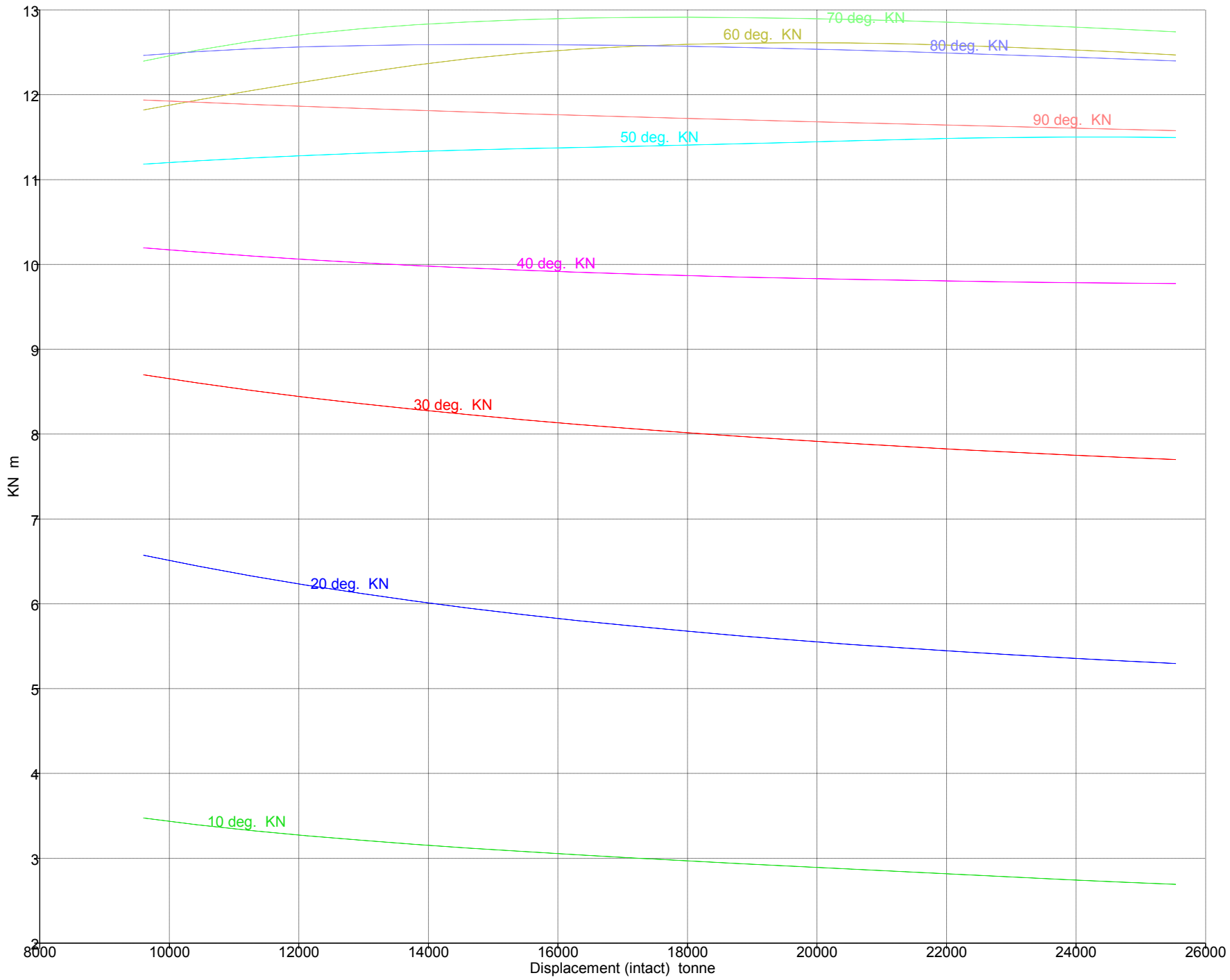


7.- CURVAS KN:

ASIENTO + 0.50 m. (EN POPA)

RESUMEN

	Displacement (intact) tonne	Draft Amidships m	Trim (+ve by stern) m	LCG m	TCG m	Assumed VCG m	KN 10,0 deg. Starb.	KN 20,0 deg. Starb.	KN 30,0 deg. Starb.	KN 40,0 deg. Starb.	KN 50,0 deg. Starb.	KN 60,0 deg. Starb.	KN 70,0 deg. Starb.	KN 80,0 deg. Starb.	KN 90,0 deg. Starb.
1	9600	3,983	0,500 (fixed)	79,192	0,000	0,000	3,474	6,572	8,699	10,197	11,182	11,819	12,395	12,463	11,938
2	10439	4,239	0,500 (fixed)	79,013	0,000	0,000	3,395	6,445	8,602	10,145	11,221	11,938	12,528	12,508	11,911
3	11278	4,489	0,500 (fixed)	78,842	0,000	0,000	3,326	6,328	8,514	10,099	11,254	12,050	12,632	12,541	11,886
4	12117	4,731	0,500 (fixed)	78,621	0,000	0,000	3,266	6,221	8,433	10,057	11,284	12,156	12,714	12,565	11,862
5	12956	4,967	0,500 (fixed)	78,390	0,000	0,000	3,213	6,122	8,359	10,020	11,310	12,256	12,776	12,580	11,839
6	13794	5,195	0,500 (fixed)	78,118	0,000	0,000	3,165	6,032	8,291	9,987	11,332	12,349	12,824	12,589	11,817
7	14633	5,417	0,500 (fixed)	77,803	0,000	0,000	3,121	5,949	8,228	9,957	11,349	12,428	12,860	12,593	11,797
8	15472	5,630	0,500 (fixed)	77,409	0,000	0,000	3,080	5,872	8,169	9,931	11,364	12,491	12,885	12,592	11,777
9	16311	5,835	0,500 (fixed)	76,944	0,000	0,000	3,041	5,802	8,115	9,908	11,378	12,538	12,902	12,588	11,758
10	17150	6,034	0,500 (fixed)	76,457	0,000	0,000	3,005	5,737	8,064	9,887	11,392	12,572	12,911	12,580	11,740
11	17989	6,232	0,500 (fixed)	76,014	0,000	0,000	2,970	5,677	8,016	9,868	11,407	12,595	12,913	12,570	11,722
12	18828	6,428	0,500 (fixed)	75,619	0,000	0,000	2,937	5,621	7,971	9,851	11,422	12,609	12,909	12,557	11,704
13	19667	6,623	0,500 (fixed)	75,270	0,000	0,000	2,904	5,570	7,930	9,837	11,439	12,613	12,901	12,543	11,687
14	20506	6,817	0,500 (fixed)	74,962	0,000	0,000	2,873	5,522	7,890	9,824	11,456	12,609	12,888	12,526	11,671
15	21345	7,010	0,500 (fixed)	74,690	0,000	0,000	2,841	5,478	7,853	9,813	11,473	12,599	12,871	12,508	11,655
16	22183	7,202	0,500 (fixed)	74,452	0,000	0,000	2,810	5,437	7,818	9,802	11,487	12,581	12,851	12,488	11,639
17	23022	7,394	0,500 (fixed)	74,243	0,000	0,000	2,780	5,398	7,786	9,793	11,497	12,558	12,828	12,467	11,623
18	23861	7,584	0,500 (fixed)	74,063	0,000	0,000	2,749	5,362	7,755	9,786	11,501	12,531	12,802	12,445	11,608
19	24700	7,772	0,500 (fixed)	73,909	0,000	0,000	2,720	5,327	7,727	9,780	11,500	12,502	12,773	12,422	11,592
20	25539	7,960	0,500 (fixed)	73,779	0,000	0,000	2,692	5,295	7,700	9,775	11,496	12,470	12,741	12,398	11,577

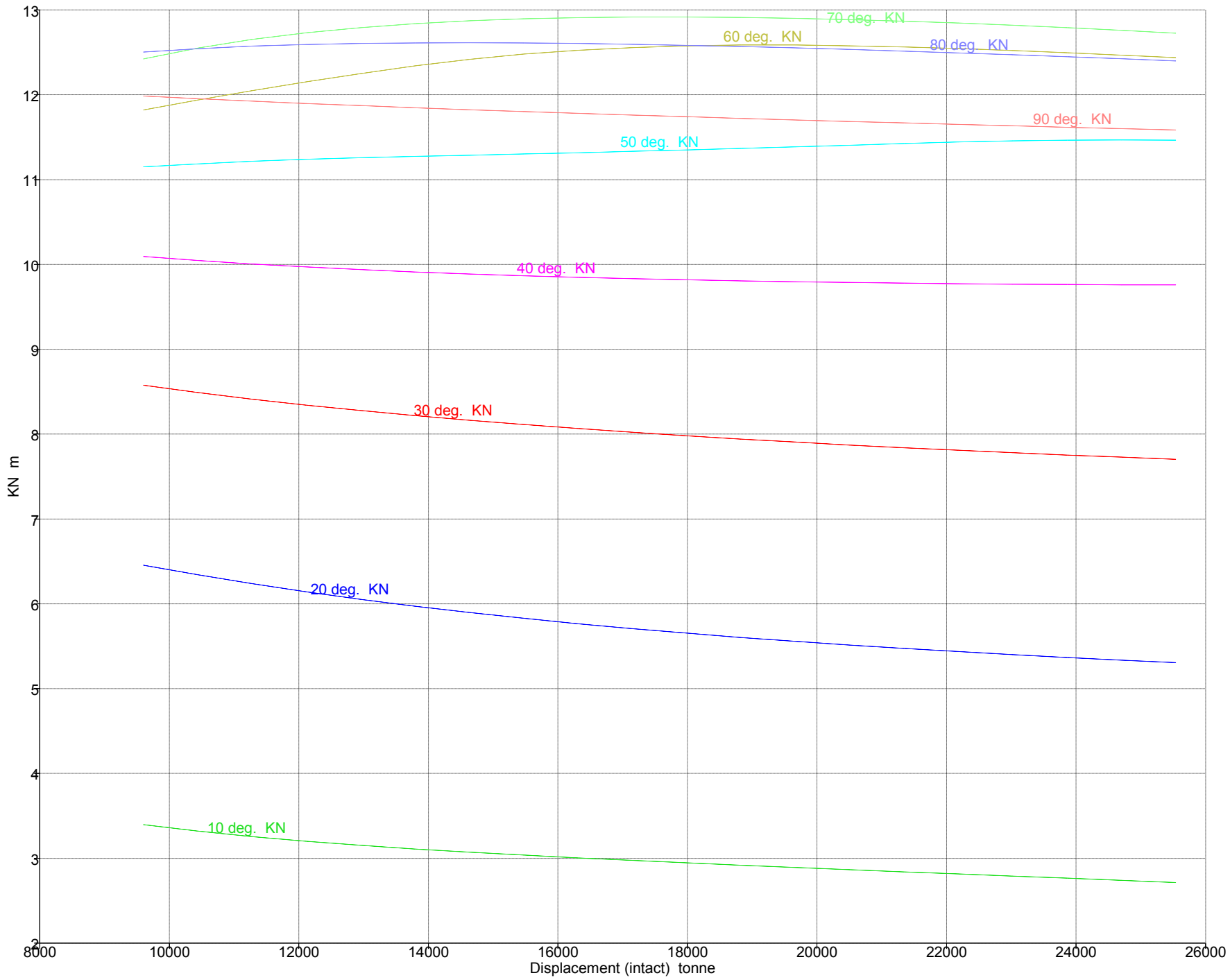


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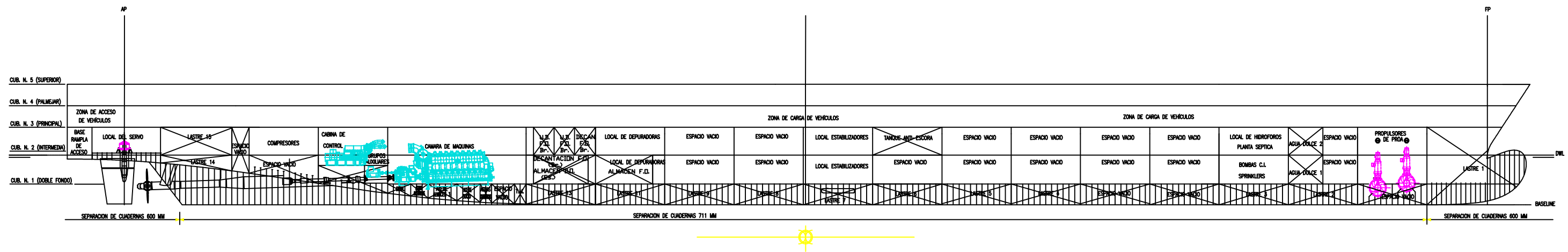
ASIENTO - 0.50 m. (EN POPA)

RESUMEN


	Displacement (intact) tonne	Draft Amidships m	Trim (+ve by stern) m	LCG m	TCG m	Assumed VCG m	KN 10,0 deg. Starb.	KN 20,0 deg. Starb.	KN 30,0 deg. Starb.	KN 40,0 deg. Starb.	KN 50,0 deg. Starb.	KN 60,0 deg. Starb.	KN 70,0 deg. Starb.	KN 80,0 deg. Starb.	KN 90,0 deg. Starb.
1	9600	4,014	-0,500 (fixed)	81,844	0,000	0,000	3,397	6,456	8,576	10,093	11,150	11,820	12,422	12,502	11,986
2	10439	4,274	-0,500 (fixed)	81,632	0,000	0,000	3,320	6,342	8,490	10,047	11,185	11,938	12,551	12,543	11,954
3	11278	4,527	-0,500 (fixed)	81,389	0,000	0,000	3,256	6,238	8,413	10,005	11,215	12,048	12,652	12,573	11,925
4	12117	4,774	-0,500 (fixed)	81,150	0,000	0,000	3,201	6,142	8,342	9,970	11,240	12,152	12,730	12,593	11,897
5	12956	5,014	-0,500 (fixed)	80,893	0,000	0,000	3,153	6,053	8,278	9,939	11,258	12,250	12,791	12,605	11,871
6	13794	5,249	-0,500 (fixed)	80,623	0,000	0,000	3,110	5,972	8,219	9,911	11,273	12,340	12,837	12,611	11,847
7	14633	5,477	-0,500 (fixed)	80,328	0,000	0,000	3,072	5,897	8,163	9,888	11,287	12,417	12,871	12,613	11,824
8	15472	5,700	-0,500 (fixed)	80,013	0,000	0,000	3,037	5,829	8,113	9,867	11,302	12,478	12,894	12,610	11,802
9	16311	5,917	-0,500 (fixed)	79,665	0,000	0,000	3,005	5,765	8,066	9,849	11,316	12,523	12,908	12,604	11,781
10	17150	6,126	-0,500 (fixed)	79,268	0,000	0,000	2,975	5,707	8,022	9,833	11,332	12,555	12,915	12,595	11,760
11	17989	6,328	-0,500 (fixed)	78,818	0,000	0,000	2,947	5,653	7,981	9,819	11,349	12,576	12,915	12,583	11,741
12	18828	6,523	-0,500 (fixed)	78,347	0,000	0,000	2,919	5,603	7,942	9,807	11,367	12,585	12,910	12,569	11,722
13	19667	6,717	-0,500 (fixed)	77,916	0,000	0,000	2,892	5,557	7,905	9,797	11,386	12,586	12,900	12,552	11,703
14	20506	6,909	-0,500 (fixed)	77,532	0,000	0,000	2,866	5,514	7,871	9,787	11,405	12,577	12,886	12,534	11,685
15	21345	7,100	-0,500 (fixed)	77,194	0,000	0,000	2,841	5,474	7,839	9,779	11,425	12,563	12,868	12,514	11,668
16	22183	7,290	-0,500 (fixed)	76,897	0,000	0,000	2,815	5,436	7,809	9,773	11,442	12,544	12,846	12,494	11,650
17	23022	7,478	-0,500 (fixed)	76,636	0,000	0,000	2,790	5,401	7,781	9,768	11,456	12,521	12,820	12,471	11,633
18	23861	7,666	-0,500 (fixed)	76,408	0,000	0,000	2,765	5,367	7,754	9,763	11,464	12,495	12,792	12,448	11,617
19	24700	7,853	-0,500 (fixed)	76,208	0,000	0,000	2,740	5,336	7,728	9,760	11,467	12,467	12,760	12,424	11,600
20	25539	8,038	-0,500 (fixed)	76,036	0,000	0,000	2,715	5,306	7,704	9,758	11,465	12,437	12,726	12,398	11,584

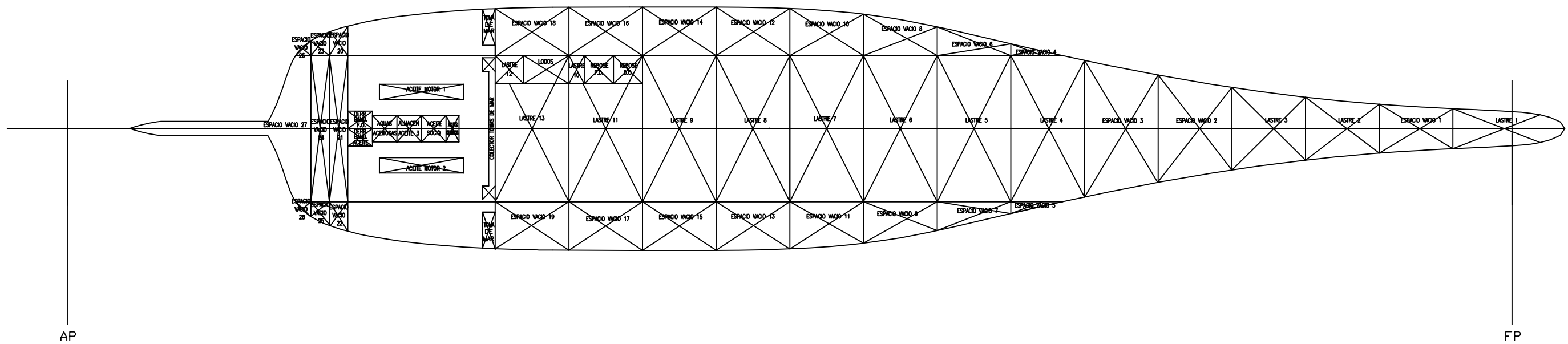


ANEXO




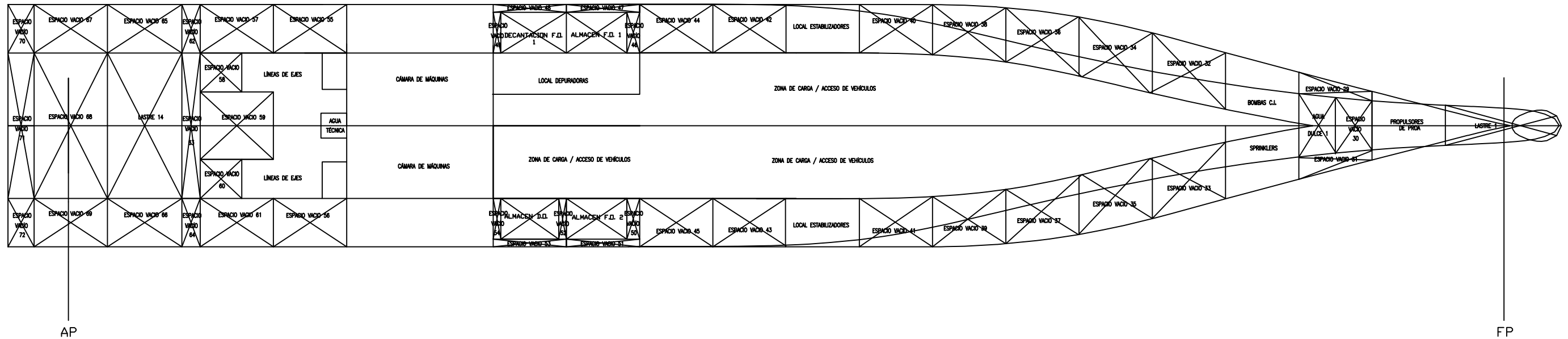
ESLORA TOTAL.....180.28 m
 MANGA DE TRAZADO..... 28.2 m
 PUNTAL A LA CUBIERTA PRINCIPAL.. 9.53 m
 PUNTAL A LA CUBIERTA SUPERIOR.. 14.83 m
 CALADO DE ESCANTILLONADO..... 6.09 m
 PASAJE..... 950 personas
 TRIPULACIÓN..... 50 personas

 UNIVERSIDADE DA CORUÑA	E.P.S. GRADO EN ARQUITECTURA NAVAL	TRABAJO FIN DE GRADO NÚMERO: 14 - 105	
		TÍTULO DEL PROYECTO: RO - RO 1000 PAX.	
TÍTULO DEL PLANO: SECCION PERFIL		FECHA: SEPTIEMBRE 2014	
AUTOR: MARÍA DE LA LUZ MURAS CASAS		FIRMA:	
		ESCALA: 1:500	
		PLANO Nº: 01 / 07	




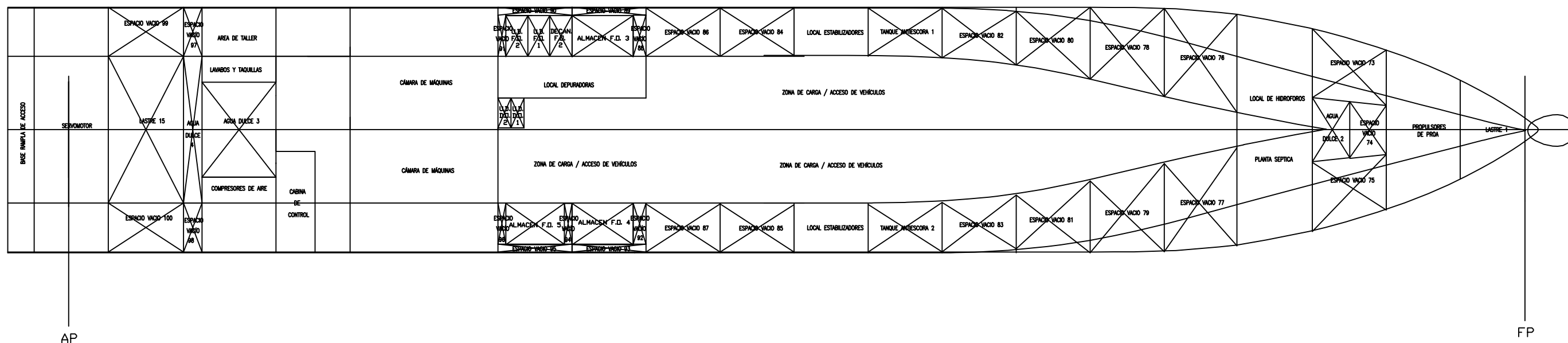
ESLORA TOTAL.....180.28 m
 MANGA DE TRAZADO..... 28.2 m
 PUNTAL A LA CUBIERTA PRINCIPAL.. 9.53 m
 PUNTAL A LA CUBIERTA SUPERIOR.. 14.83 m
 CALADO DE ESCANTILLONADO..... 6.09 m
 PASAJE..... 950 personas
 TRIPULACIÓN..... 50 personas

 UNIVERSIDADE DA CORUÑA	E.P.S. GRADO EN ARQUITECTURA NAVAL	TRABAJO FIN DE GRADO	
		NÚMERO: 14 - 105	
TÍTULO DEL PROYECTO: RO - RO 1000 PAX.			
TÍTULO DEL PLANO: CUBIERTA FONDO		FECHA: SEPTIEMBRE 2014	
AUTOR: MARÍA DE LA LUZ MURAS CASAS		FIRMA:	
		ESCALA: 1:500	
		PLANO Nº: 02 / 07	




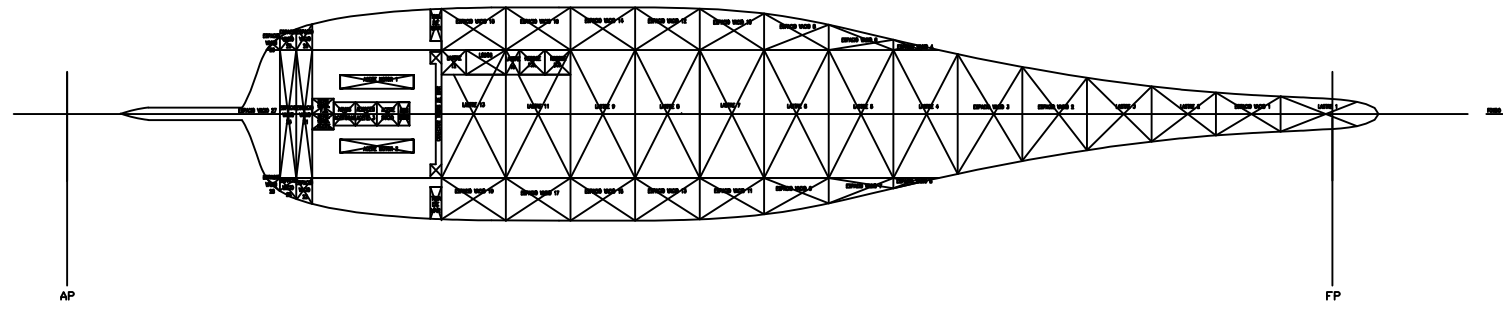
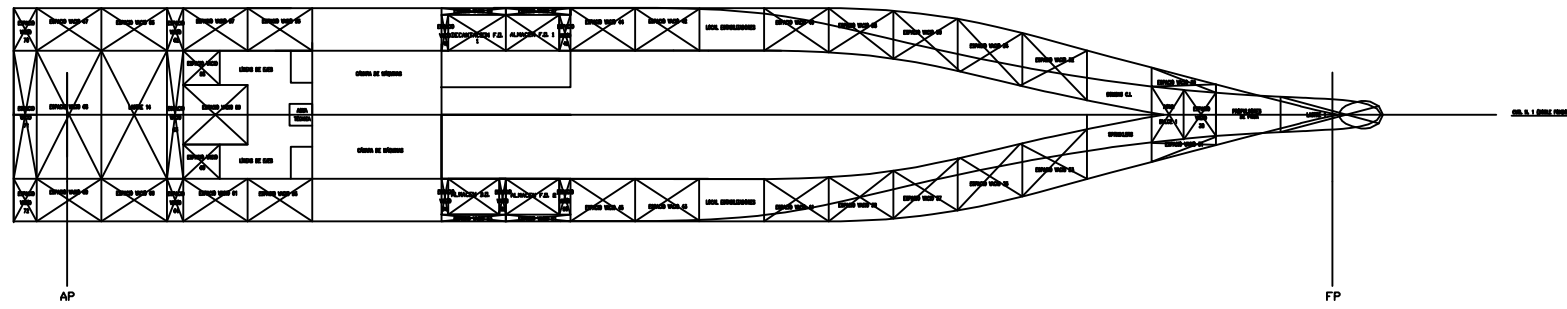
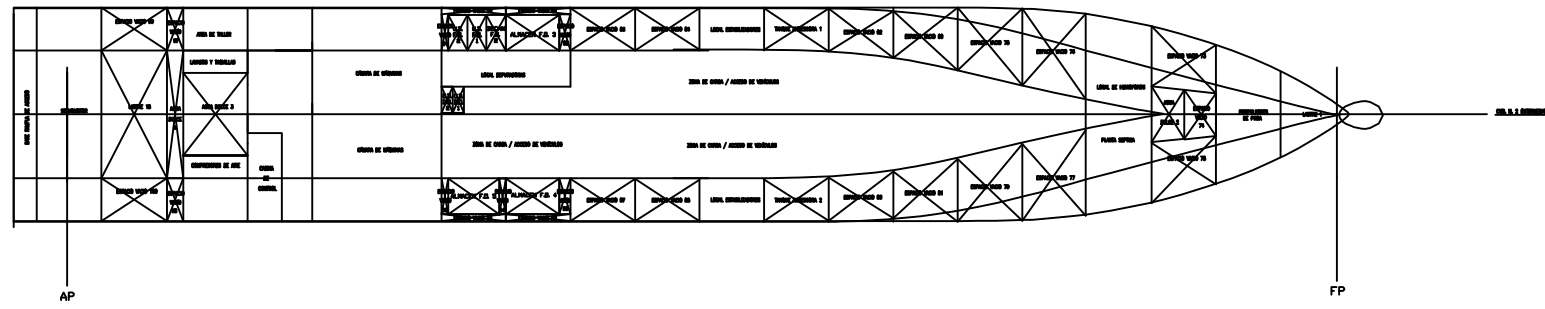
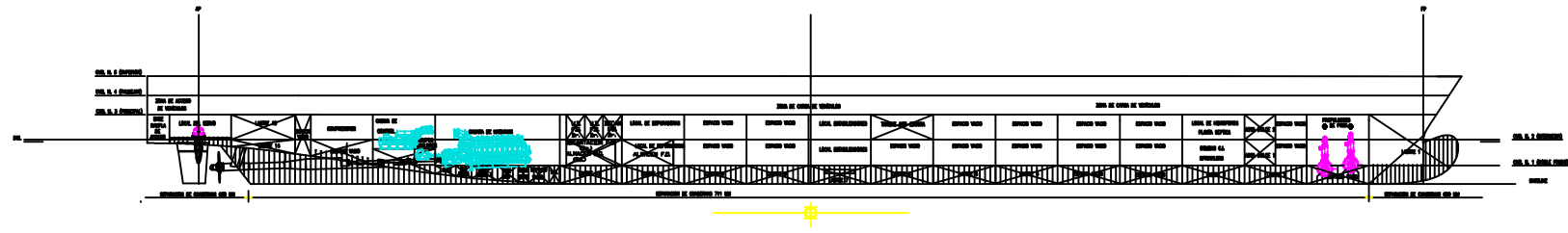
ESLORA TOTAL.....180.28 m
 MANGA DE TRAZADO..... 28.2 m
 PUNTAL A LA CUBIERTA PRINCIPAL.. 9.53 m
 PUNTAL A LA CUBIERTA SUPERIOR.. 14.83 m
 CALADO DE ESCANTILLONADO..... 6.09 m
 PASAJE..... 950 personas
 TRIPULACIÓN..... 50 personas

 UNIVERSIDADE DA CORUÑA	E.P.S. GRADO EN ARQUITECTURA NAVAL	TRABAJO FIN DE GRADO	
		NÚMERO: 14 - 105	
TÍTULO DEL PROYECTO: RO - RO 1000 PAX.			
TÍTULO DEL PLANO: CUBIERTA Nº:1 (DOBLE FONDO)		FECHA: SEPTIEMBRE 2014	
AUTOR: MARÍA DE LA LUZ MURAS CASAS		FIRMA:	
		ESCALA: 1:500	
		PLANO Nº: 03 / 07	




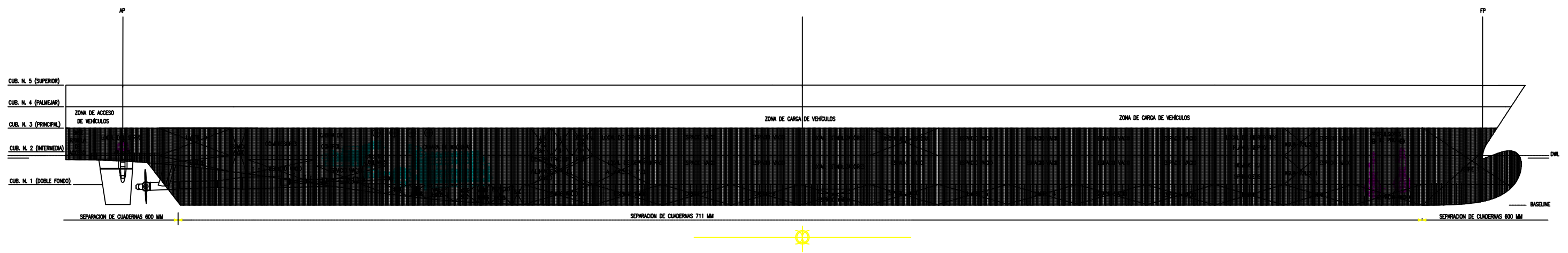
ESLORA TOTAL.....180.28 m
 MANGA DE TRAZADO..... 28.2 m
 PUNTAL A LA CUBIERTA PRINCIPAL.. 9.53 m
 PUNTAL A LA CUBIERTA SUPERIOR.. 14.83 m
 CALADO DE ESCANTILLONADO..... 6.09 m
 PASAJE..... 950 personas
 TRIPULACIÓN..... 50 personas

 UNIVERSIDADE DA CORUÑA	E.P.S. GRADO EN ARQUITECTURA NAVAL	TRABAJO FIN DE GRADO	
		NÚMERO: 14 - 105	
TÍTULO DEL PROYECTO: RO - RO 1000 PAX.			
TÍTULO DEL PLANO: CUBIERTA Nº:2 (INTERMEDIA)		FECHA: SEPTIEMBRE 2014	
AUTOR: MARÍA DE LA LUZ MURAS CASAS		FIRMA:	
		ESCALA: 1:500	
		PLANO Nº: 04 / 07	




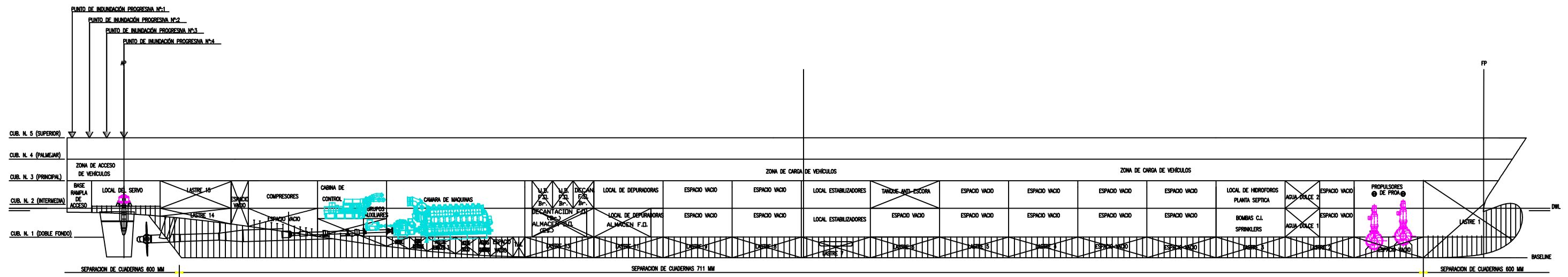
ESLORA TOTAL.....180.28 m
 MANGA DE TRAZADO..... 28.2 m
 PUNTAL A LA CUBIERTA PRINCIPAL.. 9.53 m
 PUNTAL A LA CUBIERTA SUPERIOR.. 14.83 m
 CALADO DE ESCANTILLONADO..... 6.09 m
 PASAJE..... 950 personas
 TRIPULACIÓN..... 50 personas

 UNIVERSIDADE DA CORUÑA	E.P.S. GRADO EN ARQUITECTURA NAVAL	TRABAJO FIN DE GRADO NÚMERO: 14 - 105
	TÍTULO DEL PROYECTO: RO - RO 1000 PAX.	
TÍTULO DEL PLANO: SECCIÓN GENERAL		FECHA: SEPTIEMBRE 2014
AUTOR: MARÍA DE LA LUZ MURAS CASAS	FIRMA:	ESCALA: 1:1000
		PLANO Nº: 05 / 07



ESLORA TOTAL.....180.28 m
 MANGA DE TRAZADO..... 28.2 m
 PUNTAL A LA CUBIERTA PRINCIPAL.. 9.53 m
 PUNTAL A LA CUBIERTA SUPERIOR.. 14.83 m
 CALADO DE ESCANTILLONADO..... 6.09 m
 PASAJE..... 950 personas
 TRIPULACIÓN..... 50 personas

 UNIVERSIDADE DA CORUÑA	E.P.S. GRADO EN ARQUITECTURA NAVAL	TRABAJO FIN DE GRADO NÚMERO: 14 - 105
	TÍTULO DEL PROYECTO: RO - RO 1000 PAX.	
TÍTULO DEL PLANO: ZONA ESTANCA		FECHA: SEPTIEMBRE 2014
AUTOR: MARÍA DE LA LUZ MURAS CASAS		ESCALA: 1:500
FIRMA:		PLANO Nº: 06 / 07



ESLORA TOTAL.....180.28 m
 MANGA DE TRAZADO..... 28.2 m
 PUNTAL A LA CUBIERTA PRINCIPAL.. 9.53 m
 PUNTAL A LA CUBIERTA SUPERIOR.. 14.83 m
 CALADO DE ESCANTILLONADO..... 6.09 m
 PASAJE..... 950 personas
 TRIPULACIÓN..... 50 personas

 UNIVERSIDADE DA CORUÑA	E.P.S. GRADO EN ARQUITECTURA NAVAL	TRABAJO FIN DE GRADO NÚMERO: 14 - 105
	TÍTULO DEL PROYECTO: RO - RO 1000 PAX.	
TÍTULO DEL PLANO: PUNTOS DE INUNDACIÓN PROGRESIVA		FECHA: SEPTIEMBRE 2014
AUTOR: MARÍA DE LA LUZ MURAS CASAS	FIRMA:	ESCALA: 1:500 PLANO Nº: 07 / 07

Academic Version

	Name	Type	Intact Perm. %	Damaged Perm. %	Specific gravity	Fluid type	Boundary Surfaces	Aft m	Fore m	F.Port m	F.Stbd. m	F.Top m	F.Bott. m
1	LASTRE 1	Tank	95	95	1.025	Water Balla	none	160.59	173.508	-14.01	14.01	9.53	0
2	ESPACIO VACIO 1	Compart	95	95			none	152	160.59	-14.01	14.01	2.56	0
3	LASTRE 2	Tank	95	95	1.025	Water Balla	none	143.46	152	-14.01	14.01	2.56	0
4	LASTRE 3	Tank	95	95	1.025	Water Balla	none	134.37	143.46	-14.01	14.01	2.56	0
5	ESPACIO VACIO 2	Compart	95	95			none	126.38	134.37	-14.01	14.01	2.56	0
6	ESPACIO VACIO 3	Compart	95	95			none	117.84	126.38	-14.01	14.01	2.56	0
7	ESPACIO VACIO 4	Compart	95	95			none	109.3	117.84	-14.01	-8.46	2.56	0
8	LASTRE 4	Tank	95	95	1.025	Water Balla	none	109.3	117.84	-8.46	8.46	2.56	0
9	ESPACIO VACIO 5	Compart	95	95			none	109.3	117.84	8.46	14.01	2.56	0
10	ESPACIO VACIO 6	Compart	95	95			none	100.77	109.3	-14.01	-8.46	2.56	0
11	LASTRE 5	Tank	95	95	1.025	Water Balla	none	100.77	109.3	-8.46	8.46	2.56	0
12	ESPACIO VACIO 7	Compart	95	95			none	100.77	109.3	8.46	14.01	2.56	0
13	ESPACIO VACIO 8	Compart	95	95			none	92.22	100.77	-14.01	-8.46	2.56	0
14	LASTRE 6	Tank	95	95	1.025	Water Balla	none	92.22	100.77	-8.46	8.46	2.56	0
15	ESPACIO VACIO 9	Compart	95	95			none	92.22	100.77	8.46	14.01	2.56	0
16	ESPACIO VACIO 10	Compart	95	95			none	83.68	92.22	-14.01	-8.46	2.56	0
17	LASTRE 7	Tank	95	95	1.025	Water Balla	none	83.68	92.22	-8.46	8.46	2.56	0
18	ESPACIO VACIO 11	Compart	95	95			none	83.68	92.22	8.46	14.01	2.56	0
19	ESPACIO VACIO 12	Compart	95	95			none	75.14	83.68	-14.01	-8.46	2.56	0
20	LASTRE 8	Tank	95	95	1.025	Water Balla	none	75.14	83.68	-8.46	8.46	2.56	0
21	ESPACIO VACIO 13	Compart	95	95			none	75.14	83.68	8.46	14.01	2.56	0
22	ESPACIO VACIO 14	Compart	95	95			none	66.6	75.14	-14.01	-8.46	2.56	0
23	LASTRE 9	Tank	95	95	1.025	Water Balla	none	66.6	75.14	-8.46	8.46	2.56	0
24	ESPACIO VACIO 15	Compart	95	95			none	66.6	75.14	8.46	14.01	2.56	0
25	ESPACIO VACIO 16	Compart	95	95			none	58.06	66.6	-14.01	-8.46	2.56	0
26	REBOSE D.O.	Tank	95	95	0.84	Diesel	none	63.23	66.6	-8.46	-5.21	2.56	0
27	REBOSE F.O.	Tank	95	95	0.9443	Fuel Oil	none	59.86	63.23	-8.46	-5.21	2.56	0
28	LASTRE 10	Tank	95	95	1.025	Water Balla	none	58.06	59.86	-8.46	-5.21	2.56	0
29	LASTRE 11	Tank	95	95	1.025	Water Balla	none	58.06	66.6	-5.21	8.46	2.56	0
30	ESPACIO VACIO 17	Compart	95	95			none	58.06	66.6	8.46	14.01	2.56	0
31	ESPACIO VACIO 18	Compart	95	95			none	49.52	58.06	-14.01	-8.46	2.56	0
32	LASTRE 12	Tank	95	95	1.025	Water Balla	none	52.82	58.06	-8.46	-5.21	2.56	0
33	LODOS	Tank	95	95	0.913	Slops	none	49.52	52.82	-8.46	-5.21	2.56	0
34	LASTRE 13	Tank	95	95	1.025	Water Balla	none	49.52	58.06	-5.21	8.46	2.56	0
35	ESPACIO VACIO 19	Compart	95	95			none	49.52	58.06	8.46	14.01	2.56	0
36	ALMACEN ACEITE 1	Tank	95	95	0.92	Lube Oil	none	36.11	45.86	-5.14	-3.35	2.56	0
37	ALMACEN ACEITE 2	Tank	95	95	0.92	Lube Oil	none	36.11	45.86	3.35	5.14	2.56	0
38	AGUAS CILINDRICAS	Tank	95	95	1	Fresh Wate	none	43.83	45.32	-1.55	1.55	2.56	0
39	ACEITE SUCIO	Tank	95	95	0.92	Lube Oil	none	40.98	43.83	-1.55	1.55	2.56	0
40	ALMACEN ACEITE 3	Tank	95	95	0.92	Lube Oil	none	38.14	40.98	-1.55	1.55	2.56	0
41	AGUAS ACEITOSAS	Tank	95	95	0.92	Lube Oil	none	35.29	38.14	-1.55	1.55	2.56	0
42	DERRAME BANDEJA F.O.	Tank	95	95	0.9443	Fuel Oil	none	32.45	35.29	-2.02	0	2.56	0
43	DERRAME BANDEJA ACEITE	Tank	95	95	0.92	Lube Oil	none	32.45	35.29	0	2.02	2.56	0
44	ESPACIO VACIO 20	Compart	95	95			none	30.31	32.45	-14.01	-8.46	2.56	0
45	ESPACIO VACIO 21	Compart	95	95			none	30.31	32.45	-8.46	8.46	2.56	0
46	ESPACIO VACIO 22	Compart	95	95			none	30.31	32.45	8.46	14.01	2.56	0
47	ESPACIO VACIO 23	Compart	95	95			none	28.18	30.31	-14.01	-8.46	2.56	0

Academic Version

	Name	Type	Intact Perm. %	Damaged Perm. %	Specific gravity	Fluid type	Boundary Surfaces	Aft m	Fore m	F.Port m	F.Stbd. m	F.Top m	F.Bott. m
48	ESPACIO VACIO 24	Compart	95	95			none	28.18	30.31	-8.46	8.46	2.56	0
49	ESPACIO VACIO 25	Compart	95	95			none	28.18	30.31	8.46	14.01	2.56	0
50	ESPACIO VACIO 26	Compart	95	95			none	0	28.18	-14.01	-8.46	2.56	0
51	ESPACIO VACIO 27	Compart	95	95			none	0	28.18	-8.46	8.46	2.56	0
52	ESPACIO VACIO 28	Compart	95	95			none	0	28.18	8.46	14.01	2.56	0
53	ESPACIO VACIO 29	Compart	95	95			none	143.46	152	-14.01	-3.72	6.09	2.56
54	ESPACIO VACIO 30	Compart	95	95			none	147.73	152	-3.72	3.72	6.09	2.56
55	ESPACIO VACIO 31	Compart	95	95			none	143.46	152	3.72	14.01	6.09	2.56
56	AGUA DULCE 1	Tank	95	95	1	Fresh Wate	none	143.46	147.73	-3.72	3.72	6.09	2.56
57	ESPACIO VACIO 32	Compart	95	95			none	126.38	134.37	-14.01	-2.86	6.09	2.56
58	ESPACIO VACIO 33	Compart	95	95			none	126.38	134.37	2.86	14.01	6.09	2.56
59	ESPACIO VACIO 34	Compart	95	95			none	117.84	126.38	-14.01	-4.77	6.09	2.56
60	ESPACIO VACIO 35	Compart	95	95			none	117.84	126.38	4.77	14.01	6.09	2.56
61	ESPACIO VACIO 36	Compart	95	95			none	109.3	117.84	-14.01	-6.92	6.09	2.56
62	ESPACIO VACIO 37	Compart	95	95			none	109.3	117.84	6.92	14.01	6.09	2.56
63	ESPACIO VACIO 38	Compart	95	95			none	100.77	109.3	-14.01	-8	6.09	2.56
64	ESPACIO VACIO 39	Compart	95	95			none	100.77	109.3	8	14.01	6.09	2.56
65	ESPACIO VACIO 40	Compart	95	95			none	92.22	100.77	-14.01	-8.46	6.09	2.56
66	ESPACIO VACIO 41	Compart	95	95			none	92.22	100.77	8.46	14.01	6.09	2.56
67	ESPACIO VACIO 42	Compart	95	95			none	75.14	83.68	-14.01	-8.46	6.09	2.56
68	ESPACIO VACIO 43	Compart	95	95			none	75.14	83.68	8.46	14.01	6.09	2.56
69	ESPACIO VACIO 44	Compart	95	95			none	66.6	75.14	-14.01	-8.46	6.09	2.56
70	ESPACIO VACIO 45	Compart	95	95			none	66.6	75.14	8.46	14.01	6.09	2.56
71	ESPACIO VACIO 46	Compart	95	95			none	65.11	66.6	-13.2	-8.46	6.09	2.56
72	ESPACIO VACIO 47	Compart	95	95			none	58.06	66.6	-14.01	-13.2	6.09	2.56
73	ESPACIO VACIO 48	Compart	95	95			none	49.52	58.06	-14.01	-13.2	6.09	2.56
74	ESPACIO VACIO 49	Compart	95	95			none	49.52	50.42	-13.2	-8.46	6.09	2.56
75	ALMACEN F.O. 1	Tank	95	95	0.9443	Fuel Oil	none	58.06	65.11	-13.2	-8.46	6.09	2.56
76	DECANTACION F.O. 1	Tank	95	95	0.9443	Fuel Oil	none	50.42	58.06	-13.2	-8.46	6.09	2.56
77	ESPACIO VACIO 50	Compart	95	95			none	65.11	66.6	8.46	13.2	6.09	2.56
78	ESPACIO VACIO 51	Compart	95	95			none	58.06	66.6	13.2	14.01	6.09	2.56
79	ESPACIO VACIO 52	Compart	95	95			none	57.16	58.06	8.46	13.2	6.09	2.56
80	ESPACIO VACIO 53	Compart	95	95			none	49.52	58.06	13.2	14.01	6.09	2.56
81	ESPACIO VACIO 54	Compart	95	95			none	49.52	50.42	8.46	13.2	6.09	2.56
82	ALMACEN F.O. 2	Tank	95	95	0.9443	Fuel Oil	none	58.06	65.11	8.46	13.2	6.09	2.56
83	ALMACEN D.O.	Tank	95	95	0.84	Diesel	none	50.42	57.16	8.46	13.2	6.09	2.56
84	ESPACIO VACIO 55	Compart	95	95			none	23.91	32.45	-14.01	-8.46	6.09	2.56
85	AGUA TECNICA	Tank	95	95	1	Fresh Wate	none	29.45	32.45	-1.45	1.45	6.09	2.56
86	ESPACIO VACIO 56	Compart	95	95			none	23.91	32.45	8.46	14.01	6.09	2.56
87	ESPACIO VACIO 57	Compart	95	95			none	15.37	23.91	-14.01	-8.46	6.09	2.56
88	ESPACIO VACIO 58	Compart	95	95			none	15.37	20.22	-8.46	-3.92	6.09	2.56
89	ESPACIO VACIO 59	Compart	95	95			none	15.37	23.91	-3.92	3.92	6.09	2.56
90	ESPACIO VACIO 60	Compart	95	95			none	15.37	20.22	3.92	8.46	6.09	2.56
91	ESPACIO VACIO 61	Compart	95	95			none	15.37	23.91	8.46	14.01	6.09	2.56
92	ESPACIO VACIO 62	Compart	95	95			none	13.23	15.37	-14.01	-8.46	6.09	2.56
93	ESPACIO VACIO 63	Compart	95	95			none	13.23	15.37	-8.46	8.46	6.09	2.56
94	ESPACIO VACIO 64	Compart	95	95			none	13.23	15.37	8.46	14.01	6.09	2.56

Academic Version

	Name	Type	Intact Perm. %	Damaged Perm. %	Specific gravity	Fluid type	Boundary Surfaces	Aft m	Fore m	F.Port m	F.Stbd. m	F.Top m	F.Bott. m
95	ESPACIO VACIO 65	Compart	95	95			none	4.55	13.23	-14.01	-8.46	6.09	2.56
96	LASTRE 14	Tank	95	95	1.025	Water Balla	none	4.55	13.23	-8.46	8.46	6.09	2.56
97	ESPACIO VACIO 66	Compart	95	95			none	4.55	13.23	8.46	14.01	6.09	2.56
98	ESPACIO VACIO 67	Compart	95	95			none	-3.99	4.55	-14.01	-8.46	6.09	2.56
99	ESPACIO VACIO 68	Compart	95	95			none	-3.99	4.55	-8.46	8.46	6.09	2.56
100	ESPACIO VACIO 69	Compart	95	95			none	-3.99	4.55	8.46	14.01	6.09	2.56
101	ESPACIO VACIO 70	Compart	95	95			none	-7.02	-3.99	-14.01	-8.46	6.09	2.56
102	ESPACIO VACIO 71	Compart	95	95			none	-7.02	-3.99	-8.46	8.46	6.09	2.56
103	ESPACIO VACIO 72	Compart	95	95			none	-7.02	-3.99	8.46	14.01	6.09	2.56
104	ESPACIO VACIO 73	Compart	95	95			none	143.46	152	-14.01	-3.72	9.53	6.09
105	ESPACIO VACIO 74	Compart	95	95			none	147.73	152	-3.72	3.72	9.53	6.09
106	ESPACIO VACIO 75	Compart	95	95			none	143.46	152	3.72	14.01	9.53	6.09
107	AGUA DULCE 2	Tank	95	95	1	Fresh Wate	none	143.46	147.73	-3.72	3.72	9.53	6.09
108	ESPACIO VACIO 76	Compart	95	95			none	126.38	134.37	-14.01	-2.86	9.53	6.09
109	ESPACIO VACIO 77	Compart	95	95			none	126.38	134.37	2.86	14.01	9.53	6.09
110	ESPACIO VACIO 78	Compart	95	95			none	117.84	126.38	-14.01	-4.77	9.53	6.09
111	ESPACIO VACIO 79	Compart	95	95			none	117.84	126.38	4.77	14.01	9.53	6.09
112	ESPACIO VACIO 80	Compart	95	95			none	109.3	117.84	-14.01	-6.92	9.53	6.09
113	ESPACIO VACIO 81	Compart	95	95			none	109.3	117.84	6.92	14.01	9.53	6.09
114	ESPACIO VACIO 82	Compart	95	95			none	100.77	109.3	-14.01	-8	9.53	6.09
115	ESPACIO VACIO 83	Compart	95	95			none	100.77	109.3	8	14.01	9.53	6.09
116	TANQUE ANTIESCORRA 1	Tank	95	95	1.025	Water Balla	none	92.22	100.77	-14.01	-8.46	9.53	6.09
117	TANQUE ANTIESCORRA 2	Tank	95	95	1.025	Water Balla	none	92.22	100.77	8.46	14.01	9.53	6.09
118	ESPACIO VACIO 84	Compart	95	95			none	75.14	83.68	-14.01	-8.46	9.53	6.09
119	ESPACIO VACIO 85	Compart	95	95			none	75.14	83.68	8.46	14.01	9.53	6.09
120	ESPACIO VACIO 86	Compart	95	95			none	66.6	75.14	-14.01	-8.46	9.53	6.09
121	ESPACIO VACIO 87	Compart	95	95			none	66.6	75.14	8.46	14.01	9.53	6.09
122	ESPACIO VACIO 88	Compart	95	95			none	65.11	66.6	-13.2	-8.46	9.53	6.09
123	ESPACIO VACIO 89	Compart	95	95			none	58.06	66.6	-14.01	-13.2	9.53	6.09
124	ESPACIO VACIO 90	Compart	95	95			none	49.52	58.06	-14.01	-13.2	9.53	6.09
125	ESPACIO VACIO 91	Compart	95	95			none	49.52	50.42	-13.2	-8.46	9.53	6.09
126	ALMACEN F.O. 3	Tank	95	95	0.9443	Fuel Oil	none	58.06	65.11	-13.2	-8.46	9.53	6.09
127	DECANTACION F.O. 2	Tank	95	95	0.9443	Fuel Oil	none	55.48	58.06	-13.2	-8.46	9.53	6.09
128	U.D. F.O. 1	Tank	95	95	0.9443	Fuel Oil	none	52.95	55.48	-13.2	-8.46	9.53	6.09
129	U.D. F.O. 2	Tank	95	95	0.9443	Fuel Oil	none	50.42	52.95	-13.2	-8.46	9.53	6.09
130	U.D. D.O. 1	Tank	95	95	0.84	Diesel	none	51.02	52.52	-3.6	-0.2	9.53	6.09
131	U.D. D.O. 2	Tank	95	95	0.84	Diesel	none	49.52	51.02	-3.6	-0.2	9.53	6.09
132	ESPACIO VACIO 92	Compart	95	95			none	65.11	66.6	8.46	13.2	9.53	6.09
133	ESPACIO VACIO 93	Compart	95	95			none	58.06	66.6	13.2	14.01	9.53	6.09
134	ESPACIO VACIO 94	Compart	95	95			none	57.16	58.06	8.46	13.2	9.53	6.09
135	ESPACIO VACIO 95	Compart	95	95			none	49.52	58.06	13.2	14.01	9.53	6.09
136	ESPACIO VACIO 96	Compart	95	95			none	49.52	50.42	8.46	13.2	9.53	6.09
137	ALMACEN F.O. 4	Tank	95	95	0.9443	Fuel Oil	none	58.06	65.11	8.46	13.2	9.53	6.09
138	ALMACEN F.O. 5	Tank	95	95	0.9443	Fuel Oil	none	50.42	57.16	8.46	13.2	9.53	6.09
139	AGUA DULCE 3	Tank	95	95	1	Fresh Wate	none	15.37	23.91	-5.46	5.46	9.53	6.09
140	ESPACIO VACIO 97	Compart	95	95			none	13.23	15.37	-14.01	-8.46	9.53	6.09
141	AGUA DULCE 4	Tank	95	95	1	Fresh Wate	none	13.23	15.37	-8.46	8.46	9.53	6.09

Academic Version

	Name	Type	Intact Perm. %	Damaged Perm. %	Specific gravity	Fluid type	Boundary Surfaces	Aft m	Fore m	F.Port m	F.Stbd. m	F.Top m	F.Bott. m
142	ESPACIO VACIO 98	Compart	95	95			none	13.23	15.37	8.46	14.01	9.53	6.09
143	ESPACIO VACIO 99	Compart	95	95			none	4.55	13.23	-14.01	-8.46	9.53	6.09
144	LASTRE 15	Tank	95	95	1.025	Water Balla	none	4.55	13.23	-8.46	8.46	9.53	6.09
145	ESPACIO VACIO 100	Compart	95	95			none	4.55	13.23	8.46	14.01	9.53	6.09
146	PROPULSORES PROA 0	Compart	95	95			none	152	160.59	-14.01	14.01	6.09	2.56
147	PROPULSORES PROA 1	Compart	95	95			none	152	160.59	-14.01	14.01	9.533	6.09
148	BOMBAS	Compart	95	95			none	134.37	143.46	-14.01	-1.91	6.09	2.56
149	SPRINKLES	Compart	95	95			none	134.37	143.46	1.91	14.01	6.09	2.56
150	LOCAL HIDROFOROS	Compart	95	95			none	134.37	143.46	-14.01	-1.91	9.53	6.09
151	PLANTA SEPTICA	Compart	95	95			none	134.37	143.46	1.91	14.01	9.53	6.09
152	LOCAL ESTABILIZADORES BR 0	Compart	95	95			none	83.68	92.22	-14.01	-8.46	6.09	2.56
153	LOCAL ESTABILIZADORES ES 0	Compart	95	95			none	83.68	92.22	8.46	14.01	6.09	2.56
154	LOCAL ESTABILIZADORES BR 1	Compart	95	95			none	83.68	92.22	-14.01	-8.46	9.53	6.09
155	LOCAL ESTABILIZADORES ES 1	Compart	95	95			none	83.68	92.22	8.46	14.01	9.53	6.09
156	LOCAL DEPURADORAS - GARAJE	Compart	95	95			none	49.52	100.77	-8.46	8.46	9.53	2.56
157	LOCAL DEPURADORAS - GARAJE	Linked C	95	95			none	100.77	109.3	-8	8	9.53	2.56
158	LOCAL DEPURADORAS - GARAJE	Linked C	95	95			none	109.3	117.84	-6.92	6.92	9.53	2.56
159	LOCAL DEPURADORAS - GARAJE	Linked C	95	95			none	117.84	126.38	-4.77	4.77	9.53	2.56
160	LOCAL DEPURADORAS - GARAJE	Linked C	95	95			none	126.38	134.37	-2.86	2.86	9.53	2.56
161	LOCAL DEPURADORAS - GARAJE	Linked C	95	95			none	134.37	143.46	-1.91	1.91	9.53	2.56
162	CAMARA DE MAQUINAS	Compart	95	95			none	32.45	49.52	-14.01	14.01	9.53	2.56
163	FONDO CAMARA DE MAQUINAS	Compart	95	95			none	32.45	49.52	-14.01	14.01	2.56	0
164	EJES - CONTROL - AUXILIARES	Compart	95	95			none	20.22	32.45	3.92	8.46	6.09	2.56
165	EJES - CONTROL - AUXILIARES	Linked C	95	95			none	20.22	32.45	-8.46	-3.92	6.09	2.56
166	EJES - CONTROL - AUXILIARES	Linked C	95	95			none	23.91	32.45	-3.92	3.92	6.09	2.56
167	EJES - CONTROL - AUXILIARES	Linked C	95	95			none	23.91	32.45	-14.01	14.01	9.53	6.09
168	AREA TALLER	Compart	95	95			none	15.37	23.91	-14.01	-8.46	9.53	6.09
169	LAVABOS Y TAQUILLAS	Compart	95	95			none	15.37	23.91	-8.46	-5.46	9.53	6.09
170	COMPRESORES DE AIRE	Compart	95	95			none	15.37	23.91	5.46	14.01	9.53	6.09
171	SERVOMOTOR	Compart	95	95			none	-3.99	4.55	-14.01	14.01	9.53	6.09
172	BASE RAMPLA DE ACCESO	Compart	95	95			none	-7.02	-3.99	-14.01	14.01	9.53	6.09
173	FONDO CAMARA DE MAQUINAS (ALMA	Linked N	95	95			none	36.11	45.86	-5.14	-3.35	2.56	0
174	FONDO CAMARA DE MAQUINAS (ALMA	Linked N	95	95			none	36.11	45.86	3.35	5.14	2.56	0
175	FONDO CAMARA DE MAQUINAS (AGUA	Linked N	95	95			none	43.83	45.32	-1.55	1.55	2.56	0
176	FONDO CAMARA DE MAQUINAS (ACEIT	Linked N	95	95			none	40.98	43.83	-1.55	1.55	2.56	0
177	FONDO CAMARA DE MAQUINAS (ALMA	Linked N	95	95			none	38.14	40.98	-1.55	1.55	2.56	0
178	FONDO CAMARA DE MAQUINAS (AGUA	Linked N	95	95			none	35.29	38.14	-1.55	1.55	2.56	0
179	FONDO CAMARA DE MAQUINAS (DERR	Linked N	95	95			none	32.45	35.29	-2.02	0	2.56	0
180	FONDO CAMARA DE MAQUINAS (DERR	Linked N	95	95			none	32.45	35.29	0	2.02	2.56	0
181	EJES - CONTROL - AUXILIARES[link#2] (Linked N	95	95			none	29.45	32.45	-1.45	1.45	6.09	2.56
182	LOCAL DEPURADORAS - GARAJE (U.D.	Linked N	95	95			none	51.02	52.52	-3.6	-0.2	9.53	6.09
183	LOCAL DEPURADORAS - GARAJE (U.D.	Linked N	95	95			none	49.52	51.02	-3.6	-0.2	9.53	6.09

	Tank Name	Sounding m	Ullage m	% Full	Capacity m ³	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
1	LASTRE 1	9.530	0.000	100.000	286.690	293.857	165.463	0.000	4.989	0.000
2		9.500	0.030	99.530	285.343	292.477	165.472	0.000	4.967	247.825
3		9.400	0.130	98.000	280.956	287.980	165.503	0.000	4.897	224.441
4		9.393	0.137	97.900	280.669	287.686	165.505	0.000	4.893	222.938
5		9.000	0.530	92.473	265.110	271.738	165.628	0.000	4.640	147.671
6		8.500	1.030	86.729	248.643	254.859	165.781	0.000	4.367	83.811
7		8.000	1.530	82.221	235.718	241.611	165.922	0.000	4.153	41.934
8		7.500	2.030	78.770	225.824	231.470	166.047	0.000	3.995	21.707
9		7.000	2.530	76.142	218.291	223.748	166.153	0.000	3.883	10.727
10		6.500	3.030	73.280	210.085	215.338	166.195	0.000	3.771	10.502
11		6.000	3.530	69.442	199.083	204.060	166.152	0.000	3.635	19.704
12		5.500	4.030	63.767	182.814	187.385	166.041	0.000	3.448	40.814
13		5.000	4.530	56.184	161.073	165.100	165.915	0.000	3.206	68.879
14		4.500	5.030	47.609	136.489	139.902	165.781	0.000	2.928	83.606
15		4.000	5.530	38.863	111.418	114.203	165.637	0.000	2.630	84.454
16		3.500	6.030	30.436	87.258	89.439	165.476	0.000	2.319	74.493
17		3.000	6.530	22.702	65.085	66.712	165.303	0.000	2.001	58.585
18		2.500	7.030	15.857	45.462	46.598	165.098	0.000	1.675	41.069
19		2.000	7.530	10.103	28.964	29.688	164.842	0.000	1.343	24.587
20		1.500	8.030	5.610	16.083	16.485	164.542	0.000	1.007	11.773
21		1.000	8.530	2.438	6.989	7.164	164.148	0.000	0.667	4.046
22		0.644	8.886	1.000	2.867	2.939	163.744	0.000	0.425	1.209
23		0.500	9.030	0.607	1.739	1.783	163.558	0.000	0.328	0.646
24		0.000	9.530	0.000	0.000	0.000	161.871	0.000	0.000	0.000
25	ESPACIO VACIO 1	2.560	0.000	100.000	59.875	61.372	156.089	0.000	1.601	0.000
26		2.558	0.002	99.900	59.815	61.310	156.089	0.000	1.600	76.712
27		2.481	0.079	95.000	56.881	58.303	156.086	0.000	1.553	73.234
28		2.401	0.159	90.000	53.887	55.234	156.083	0.000	1.503	69.520
29		2.320	0.240	85.000	50.894	52.166	156.079	0.000	1.453	65.786
30		2.236	0.324	80.000	47.900	49.097	156.076	0.000	1.401	61.951
31		2.152	0.408	75.000	44.906	46.029	156.072	0.000	1.349	57.965
32		2.065	0.495	70.000	41.912	42.960	156.068	0.000	1.294	53.787
33		1.975	0.585	65.000	38.919	39.892	156.064	0.000	1.238	49.453
34		1.883	0.677	60.000	35.925	36.823	156.060	0.000	1.181	45.223
35		1.788	0.772	55.000	32.931	33.754	156.054	0.000	1.121	41.122
36		1.690	0.870	50.000	29.937	30.686	156.049	0.000	1.060	37.032
37		1.589	0.971	45.000	26.944	27.617	156.042	0.000	0.995	32.676
38		1.482	1.078	40.000	23.950	24.549	156.036	0.000	0.927	28.142
39		1.369	1.191	35.000	20.956	21.480	156.028	0.000	0.856	23.830
40		1.250	1.310	30.000	17.962	18.411	156.019	0.000	0.781	19.776
41		1.122	1.438	25.000	14.969	15.343	156.007	0.000	0.699	15.995
42		0.984	1.576	20.000	11.975	12.274	155.992	0.000	0.611	12.104
43		0.829	1.731	15.000	8.981	9.206	155.974	0.000	0.512	8.173
44		0.648	1.912	10.000	5.987	6.137	155.947	0.000	0.397	4.816
45		0.422	2.138	5.000	2.994	3.069	155.898	0.000	0.254	2.042
46		0.024	2.536	0.100	0.060	0.061	155.655	0.000	0.013	0.042
47		0.000	2.560	0.000	0.000	0.000	155.559	0.000	0.000	0.000

	Tank Name	Sounding m	Ullage m	% Full	Capacity m ³	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
48	LASTRE 2	2.560	0.000	100.000	80.907	82.930	147.503	0.000	1.552	0.000
49		2.526	0.034	98.000	79.289	81.271	147.502	0.000	1.532	150.394
50		2.524	0.036	97.900	79.208	81.188	147.502	0.000	1.531	150.263
51		2.500	0.060	96.463	78.045	79.996	147.501	0.000	1.516	148.366
52		2.400	0.160	90.648	73.341	75.174	147.498	0.000	1.456	140.735
53		2.300	0.260	84.938	68.721	70.439	147.495	0.000	1.396	133.062
54		2.200	0.360	79.340	64.191	65.796	147.491	0.000	1.336	125.207
55		2.100	0.460	73.860	59.758	61.252	147.487	0.000	1.276	117.200
56		2.000	0.560	68.502	55.423	56.808	147.483	0.000	1.215	109.443
57		1.900	0.660	63.271	51.190	52.470	147.479	0.000	1.154	101.597
58		1.800	0.760	58.177	47.069	48.246	147.474	0.000	1.093	93.476
59		1.700	0.860	53.232	43.068	44.145	147.470	0.000	1.032	85.360
60		1.600	0.960	48.437	39.189	40.169	147.464	0.000	0.971	77.727
61		1.500	1.060	43.794	35.432	36.318	147.459	0.000	0.910	70.385
62		1.400	1.160	39.317	31.810	32.605	147.453	0.000	0.848	62.722
63		1.300	1.260	35.024	28.337	29.045	147.447	0.000	0.787	54.978
64		1.200	1.360	30.921	25.017	25.643	147.441	0.000	0.725	47.894
65		1.100	1.460	27.008	21.852	22.398	147.433	0.000	0.664	41.447
66		1.000	1.560	23.286	18.840	19.311	147.425	0.000	0.602	35.603
67		0.900	1.660	19.766	15.992	16.392	147.417	0.000	0.540	29.520
68		0.800	1.760	16.487	13.340	13.673	147.408	0.000	0.478	23.586
69		0.700	1.860	13.456	10.887	11.159	147.399	0.000	0.417	18.525
70		0.600	1.960	10.671	8.634	8.849	147.388	0.000	0.356	14.261
71		0.500	2.060	8.131	6.579	6.743	147.376	0.000	0.295	10.714
72		0.400	2.160	5.845	4.729	4.847	147.362	0.000	0.234	7.455
73		0.300	2.260	3.867	3.129	3.207	147.347	0.000	0.173	4.622
74		0.200	2.360	2.206	1.785	1.829	147.329	0.000	0.114	2.634
75		0.112	2.448	1.000	0.809	0.829	147.312	0.000	0.062	1.352
76		0.100	2.460	0.865	0.700	0.718	147.310	0.000	0.056	1.160
77		0.000	2.560	0.000	0.000	0.000	147.354	0.000	0.000	0.000
78	LASTRE 3	2.560	0.000	100.000	119.127	122.105	138.668	0.000	1.514	0.000
79		2.524	0.036	98.000	116.744	119.663	138.667	0.000	1.493	361.458
80		2.522	0.038	97.900	116.625	119.541	138.667	0.000	1.492	361.147
81		2.500	0.060	96.649	115.135	118.014	138.666	0.000	1.479	357.256
82		2.400	0.160	91.136	108.568	111.282	138.664	0.000	1.420	340.062
83		2.300	0.260	85.716	102.111	104.664	138.662	0.000	1.362	322.994
84		2.200	0.360	80.390	95.766	98.161	138.660	0.000	1.303	305.993
85		2.100	0.460	75.162	89.538	91.776	138.658	0.000	1.244	289.253
86		2.000	0.560	70.033	83.429	85.514	138.655	0.000	1.185	272.501
87		1.900	0.660	65.011	77.446	79.382	138.652	0.000	1.125	255.518
88		1.800	0.760	60.099	71.594	73.384	138.649	0.000	1.066	238.712
89		1.700	0.860	55.300	65.877	67.524	138.645	0.000	1.007	222.203
90		1.600	0.960	50.620	60.303	61.810	138.642	0.000	0.947	205.349
91		1.500	1.060	46.070	54.882	56.254	138.638	0.000	0.888	188.278
92		1.400	1.160	41.653	49.620	50.861	138.634	0.000	0.828	172.105
93		1.300	1.260	37.371	44.519	45.631	138.629	0.000	0.768	156.260
94		1.200	1.360	33.238	39.595	40.585	138.624	0.000	0.709	139.419

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m ³	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
95		1.100	1.460	29.271	34.870	35.742	138.619	0.000	0.649	122.717
96		1.000	1.560	25.475	30.347	31.106	138.614	0.000	0.589	107.406
97		0.900	1.660	21.848	26.026	26.677	138.607	0.000	0.529	93.390
98		0.800	1.760	18.404	21.924	22.472	138.601	0.000	0.469	78.446
99		0.700	1.860	15.180	18.083	18.536	138.595	0.000	0.409	63.608
100		0.600	1.960	12.183	14.513	14.876	138.588	0.000	0.349	50.772
101		0.500	2.060	9.413	11.214	11.494	138.579	0.000	0.290	39.803
102		0.400	2.160	6.872	8.186	8.391	138.570	0.000	0.230	29.930
103		0.300	2.260	4.618	5.502	5.639	138.561	0.000	0.171	19.670
104		0.200	2.360	2.682	3.195	3.275	138.550	0.000	0.113	12.074
105		0.100	2.460	1.073	1.278	1.310	138.535	0.000	0.055	5.764
106		0.095	2.465	1.000	1.191	1.221	138.535	0.000	0.052	5.391
107		0.000	2.560	0.000	0.000	0.000	138.523	0.000	0.000	0.000
108	ESPACIO VACIO 2	2.560	0.000	100.000	140.968	144.492	130.195	0.000	1.489	0.000
109		2.558	0.002	99.900	140.827	144.348	130.195	0.000	1.488	711.422
110		2.467	0.093	95.000	133.920	137.268	130.194	0.000	1.435	680.308
111		2.373	0.187	90.000	126.871	130.043	130.193	0.000	1.380	649.122
112		2.277	0.283	85.000	119.823	122.818	130.192	0.000	1.325	618.515
113		2.180	0.380	80.000	112.775	115.594	130.191	0.000	1.268	588.422
114		2.081	0.479	75.000	105.726	108.369	130.190	0.000	1.211	558.263
115		1.981	0.579	70.000	98.678	101.145	130.188	0.000	1.152	527.699
116		1.878	0.682	65.000	91.629	93.920	130.186	0.000	1.092	496.884
117		1.773	0.787	60.000	84.581	86.695	130.184	0.000	1.031	465.601
118		1.666	0.894	55.000	77.532	79.471	130.182	0.000	0.968	433.009
119		1.556	1.004	50.000	70.484	72.246	130.180	0.000	0.904	400.314
120		1.442	1.118	45.000	63.436	65.022	130.177	0.000	0.838	367.023
121		1.326	1.234	40.000	56.387	57.797	130.174	0.000	0.770	331.957
122		1.205	1.355	35.000	49.339	50.572	130.171	0.000	0.699	297.531
123		1.079	1.481	30.000	42.290	43.348	130.167	0.000	0.625	261.268
124		0.947	1.613	25.000	35.242	36.123	130.162	0.000	0.547	221.294
125		0.806	1.754	20.000	28.194	28.898	130.156	0.000	0.465	183.401
126		0.655	1.905	15.000	21.145	21.674	130.149	0.000	0.376	139.680
127		0.487	2.073	10.000	14.097	14.449	130.140	0.000	0.278	96.775
128		0.290	2.270	5.000	7.048	7.225	130.123	0.000	0.163	52.422
129		0.012	2.548	0.100	0.141	0.144	130.054	0.000	0.006	3.958
130		0.000	2.560	0.000	0.000	0.000	130.031	0.000	0.000	0.000
131	ESPACIO VACIO 3	2.560	0.000	100.000	197.169	202.098	121.920	0.000	1.468	0.000
132		2.558	0.002	99.900	196.972	201.896	121.920	0.000	1.467	1582.345
133		2.465	0.095	95.000	187.311	191.993	121.919	0.000	1.413	1510.820
134		2.368	0.192	90.000	177.452	181.888	121.918	0.000	1.357	1439.511
135		2.270	0.290	85.000	167.594	171.784	121.917	0.000	1.301	1369.862
136		2.170	0.390	80.000	157.735	161.679	121.916	0.000	1.243	1301.586
137		2.069	0.491	75.000	147.877	151.574	121.914	0.000	1.185	1234.498
138		1.965	0.595	70.000	138.018	141.469	121.912	0.000	1.125	1168.496
139		1.860	0.700	65.000	128.160	131.364	121.911	0.000	1.065	1102.916
140		1.752	0.808	60.000	118.301	121.259	121.909	0.000	1.003	1036.834
141		1.643	0.917	55.000	108.443	111.154	121.906	0.000	0.940	969.832

NOT FOR COMMERCIAL USE

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m ³	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
142		1.530	1.030	50.000	98.585	101.049	121.904	0.000	0.875	901.106
143		1.415	1.145	45.000	88.726	90.944	121.901	0.000	0.808	829.665
144		1.296	1.264	40.000	78.868	80.839	121.898	0.000	0.740	757.801
145		1.173	1.387	35.000	69.009	70.734	121.894	0.000	0.669	682.713
146		1.046	1.514	30.000	59.151	60.629	121.889	0.000	0.596	607.064
147		0.913	1.647	25.000	49.292	50.525	121.884	0.000	0.519	526.620
148		0.772	1.788	20.000	39.434	40.420	121.878	0.000	0.438	439.116
149		0.622	1.938	15.000	29.575	30.315	121.869	0.000	0.351	349.437
150		0.457	2.103	10.000	19.717	20.210	121.859	0.000	0.256	248.005
151		0.267	2.293	5.000	9.858	10.105	121.840	0.000	0.148	144.008
152		0.010	2.550	0.100	0.197	0.202	121.762	0.000	0.005	15.491
153		0.000	2.560	0.000	0.000	0.000	121.731	0.000	0.000	0.000
154	ESPACIO VACIO 4	0.395	0.000	100.000	0.095	0.097	109.994	-8.602	2.459	0.000
155		0.395	0.000	99.900	0.094	0.097	109.993	-8.601	2.459	0.014
156		0.389	0.007	95.000	0.090	0.092	109.982	-8.599	2.454	0.013
157		0.382	0.014	90.000	0.085	0.087	109.969	-8.597	2.449	0.012
158		0.374	0.021	85.000	0.080	0.082	109.956	-8.594	2.443	0.011
159		0.367	0.029	80.000	0.076	0.078	109.943	-8.592	2.437	0.010
160		0.359	0.037	75.000	0.071	0.073	109.930	-8.589	2.431	0.009
161		0.350	0.045	70.000	0.066	0.068	109.916	-8.586	2.425	0.009
162		0.342	0.054	65.000	0.061	0.063	109.902	-8.583	2.419	0.008
163		0.332	0.063	60.000	0.057	0.058	109.888	-8.580	2.412	0.007
164		0.322	0.073	55.000	0.052	0.053	109.876	-8.576	2.404	0.006
165		0.312	0.084	50.000	0.047	0.048	109.863	-8.572	2.397	0.005
166		0.300	0.095	45.000	0.043	0.044	109.848	-8.568	2.388	0.004
167		0.289	0.107	40.000	0.038	0.039	109.831	-8.563	2.380	0.004
168		0.276	0.120	35.000	0.033	0.034	109.811	-8.559	2.370	0.003
169		0.262	0.134	30.000	0.028	0.029	109.788	-8.554	2.359	0.003
170		0.246	0.149	25.000	0.024	0.024	109.759	-8.549	2.347	0.002
171		0.228	0.167	20.000	0.019	0.019	109.724	-8.543	2.334	0.002
172		0.207	0.188	15.000	0.014	0.015	109.683	-8.536	2.318	0.001
173		0.179	0.216	10.000	0.009	0.010	109.648	-8.525	2.297	0.001
174		0.140	0.255	5.000	0.005	0.005	109.597	-8.511	2.269	0.000
175		0.035	0.360	0.100	0.000	0.000	109.418	-8.473	2.191	0.000
176		0.000	0.395	0.000	0.000	0.000	109.349	-8.460	2.165	0.000
177	LASTRE 4	2.560	0.000	100.000	254.669	261.036	113.398	0.000	1.445	0.000
178		2.521	0.039	98.000	249.576	255.815	113.397	0.000	1.423	3004.693
179		2.519	0.041	97.900	249.321	255.554	113.397	0.000	1.422	3002.865
180		2.500	0.060	96.942	246.880	253.052	113.396	0.000	1.411	2985.380
181		2.400	0.160	91.892	234.021	239.872	113.394	0.000	1.354	2877.980
182		2.300	0.260	86.909	221.331	226.864	113.393	0.000	1.297	2764.433
183		2.200	0.360	81.998	208.824	214.045	113.391	0.000	1.239	2642.325
184		2.100	0.460	77.166	196.518	201.431	113.390	0.000	1.182	2513.290
185		2.000	0.560	72.415	184.419	189.029	113.389	0.000	1.125	2387.554
186		1.900	0.660	67.745	172.527	176.840	113.387	0.000	1.069	2266.170
187		1.800	0.760	63.157	160.842	164.863	113.385	0.000	1.012	2148.626
188		1.700	0.860	58.651	149.366	153.100	113.383	0.000	0.955	2034.565

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
189		1.600	0.960	54.227	138.100	141.553	113.381	0.000	0.898	1922.750
190		1.500	1.060	49.889	127.051	130.227	113.379	0.000	0.842	1812.067
191		1.400	1.160	45.637	116.224	119.130	113.376	0.000	0.785	1701.403
192		1.300	1.260	41.479	105.634	108.274	113.373	0.000	0.728	1589.422
193		1.200	1.360	37.418	95.291	97.674	113.370	0.000	0.672	1476.344
194		1.100	1.460	33.459	85.210	87.340	113.367	0.000	0.615	1364.418
195		1.000	1.560	29.608	75.403	77.289	113.363	0.000	0.559	1251.665
196		0.900	1.660	25.872	65.889	67.536	113.358	0.000	0.502	1140.267
197		0.800	1.760	22.255	56.678	58.095	113.353	0.000	0.445	1028.907
198		0.700	1.860	18.774	47.811	49.007	113.348	0.000	0.389	909.619
199		0.600	1.960	15.439	39.319	40.302	113.341	0.000	0.332	796.525
200		0.500	2.060	12.265	31.235	32.015	113.334	0.000	0.276	674.257
201		0.400	2.160	9.284	23.643	24.234	113.325	0.000	0.220	551.829
202		0.300	2.260	6.504	16.563	16.977	113.313	0.000	0.164	443.124
203		0.200	2.360	3.972	10.115	10.368	113.301	0.000	0.108	314.148
204		0.100	2.460	1.741	4.433	4.544	113.277	0.000	0.054	206.418
205		0.062	2.498	1.000	2.547	2.610	113.265	0.000	0.033	146.377
206		0.000	2.560	0.000	0.000	0.000	113.182	0.000	0.000	0.000
207	ESPACIO VACIO 5	0.395	0.000	100.000	0.095	0.097	109.994	8.602	2.459	0.000
208		0.395	0.000	99.900	0.094	0.097	109.993	8.601	2.459	0.014
209		0.389	0.007	95.000	0.090	0.092	109.982	8.599	2.454	0.013
210		0.382	0.014	90.000	0.085	0.087	109.969	8.597	2.449	0.012
211		0.374	0.021	85.000	0.080	0.082	109.956	8.594	2.443	0.011
212		0.367	0.029	80.000	0.076	0.078	109.943	8.592	2.437	0.010
213		0.359	0.037	75.000	0.071	0.073	109.930	8.589	2.431	0.009
214		0.350	0.045	70.000	0.066	0.068	109.916	8.586	2.425	0.009
215		0.342	0.054	65.000	0.061	0.063	109.902	8.583	2.419	0.008
216		0.332	0.063	60.000	0.057	0.058	109.888	8.580	2.412	0.007
217		0.322	0.073	55.000	0.052	0.053	109.876	8.576	2.404	0.006
218		0.312	0.084	50.000	0.047	0.048	109.863	8.572	2.397	0.005
219		0.300	0.095	45.000	0.043	0.044	109.848	8.568	2.388	0.004
220		0.289	0.107	40.000	0.038	0.039	109.831	8.563	2.380	0.004
221		0.276	0.120	35.000	0.033	0.034	109.811	8.559	2.370	0.003
222		0.262	0.134	30.000	0.028	0.029	109.788	8.554	2.359	0.003
223		0.246	0.149	25.000	0.024	0.024	109.759	8.549	2.347	0.002
224		0.228	0.167	20.000	0.019	0.019	109.724	8.543	2.334	0.002
225		0.207	0.188	15.000	0.014	0.015	109.683	8.536	2.318	0.001
226		0.179	0.216	10.000	0.009	0.010	109.648	8.525	2.297	0.001
227		0.140	0.255	5.000	0.005	0.005	109.597	8.511	2.269	0.000
228		0.035	0.360	0.100	0.000	0.000	109.418	8.473	2.191	0.000
229		0.000	0.395	0.000	0.000	0.000	109.349	8.460	2.165	0.000
230	ESPACIO VACIO 6	1.503	0.000	100.000	6.801	6.971	103.504	-9.085	2.164	0.000
231		1.502	0.001	99.900	6.795	6.964	103.503	-9.085	2.163	4.529
232		1.475	0.028	95.000	6.461	6.623	103.471	-9.073	2.143	4.248
233		1.446	0.057	90.000	6.121	6.274	103.437	-9.061	2.123	3.966
234		1.416	0.087	85.000	5.781	5.926	103.400	-9.048	2.101	3.689
235		1.385	0.118	80.000	5.441	5.577	103.360	-9.035	2.079	3.418

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
236		1.353	0.150	75.000	5.101	5.229	103.317	-9.022	2.056	3.152
237		1.320	0.183	70.000	4.761	4.880	103.271	-9.008	2.032	2.890
238		1.286	0.217	65.000	4.421	4.531	103.221	-8.994	2.006	2.634
239		1.249	0.254	60.000	4.081	4.183	103.167	-8.979	1.980	2.381
240		1.211	0.292	55.000	3.741	3.834	103.107	-8.964	1.952	2.133
241		1.171	0.332	50.000	3.401	3.486	103.042	-8.948	1.922	1.889
242		1.128	0.375	45.000	3.061	3.137	102.971	-8.931	1.891	1.648
243		1.082	0.421	40.000	2.721	2.789	102.894	-8.913	1.857	1.411
244		1.032	0.471	35.000	2.380	2.440	102.810	-8.893	1.820	1.183
245		0.977	0.526	30.000	2.040	2.091	102.716	-8.871	1.779	0.968
246		0.916	0.587	25.000	1.700	1.743	102.612	-8.847	1.734	0.758
247		0.847	0.656	20.000	1.360	1.394	102.491	-8.819	1.683	0.568
248		0.765	0.738	15.000	1.020	1.046	102.348	-8.786	1.623	0.389
249		0.663	0.840	10.000	0.680	0.697	102.164	-8.745	1.547	0.226
250		0.519	0.984	5.000	0.340	0.349	101.898	-8.687	1.441	0.091
251		0.131	1.372	0.100	0.007	0.007	101.121	-8.523	1.154	0.000
252		0.000	1.503	0.000	0.000	0.000	100.818	-8.460	1.057	0.000
253	LASTRE 5	2.560	0.000	100.000	307.799	315.494	104.939	0.000	1.391	0.000
254		2.515	0.045	98.000	301.643	309.184	104.937	0.000	1.367	3529.336
255		2.513	0.047	97.900	301.335	308.869	104.937	0.000	1.366	3529.336
256		2.500	0.060	97.327	299.572	307.062	104.936	0.000	1.360	3529.336
257		2.400	0.160	92.873	285.861	293.008	104.931	0.000	1.307	3529.336
258		2.300	0.260	88.418	272.150	278.954	104.926	0.000	1.255	3529.336
259		2.200	0.360	83.964	258.439	264.900	104.920	0.000	1.202	3529.336
260		2.100	0.460	79.509	244.729	250.847	104.914	0.000	1.149	3525.870
261		2.000	0.560	75.059	231.032	236.808	104.907	0.000	1.095	3509.657
262		1.900	0.660	70.619	217.366	222.800	104.900	0.000	1.042	3478.499
263		1.800	0.760	66.196	203.750	208.844	104.892	0.000	0.988	3434.005
264		1.700	0.860	61.795	190.204	194.959	104.885	0.000	0.933	3379.030
265		1.600	0.960	57.424	176.749	181.168	104.878	0.000	0.879	3306.233
266		1.500	1.060	53.088	163.405	167.490	104.871	0.000	0.824	3218.668
267		1.400	1.160	48.797	150.198	153.953	104.865	0.000	0.769	3118.894
268		1.300	1.260	44.560	137.154	140.583	104.860	0.000	0.714	3000.565
269		1.200	1.360	40.386	124.307	127.414	104.855	0.000	0.658	2858.851
270		1.100	1.460	36.288	111.694	114.486	104.852	0.000	0.603	2692.167
271		1.000	1.560	32.282	99.363	101.847	104.848	0.000	0.547	2503.190
272		0.900	1.660	28.377	87.346	89.529	104.844	0.000	0.491	2309.441
273		0.800	1.760	24.582	75.663	77.555	104.840	0.000	0.436	2114.691
274		0.700	1.860	20.902	64.335	65.944	104.834	0.000	0.381	1921.355
275		0.600	1.960	17.346	53.392	54.727	104.828	0.000	0.326	1719.050
276		0.500	2.060	13.932	42.882	43.954	104.820	0.000	0.270	1514.281
277		0.400	2.160	10.672	32.847	33.668	104.811	0.000	0.215	1296.566
278		0.300	2.260	7.599	23.389	23.973	104.800	0.000	0.161	1073.147
279		0.200	2.360	4.732	14.565	14.929	104.785	0.000	0.106	837.341
280		0.100	2.460	2.147	6.609	6.774	104.760	0.000	0.053	593.100
281		0.050	2.510	1.000	3.078	3.155	104.741	0.000	0.026	425.449
282		0.000	2.560	0.000	0.000	0.000	104.659	0.000	0.000	0.000

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
283	ESPACIO VACIO 7	1.503	0.000	100.000	6.801	6.971	103.504	9.085	2.164	0.000
284		1.502	0.001	99.900	6.795	6.964	103.503	9.085	2.163	4.529
285		1.475	0.028	95.000	6.461	6.623	103.471	9.073	2.143	4.248
286		1.446	0.057	90.000	6.121	6.274	103.437	9.061	2.123	3.966
287		1.416	0.087	85.000	5.781	5.926	103.400	9.048	2.101	3.689
288		1.385	0.118	80.000	5.441	5.577	103.360	9.035	2.079	3.418
289		1.353	0.150	75.000	5.101	5.229	103.317	9.022	2.056	3.152
290		1.320	0.183	70.000	4.761	4.880	103.271	9.008	2.032	2.890
291		1.286	0.217	65.000	4.421	4.531	103.221	8.994	2.006	2.634
292		1.249	0.254	60.000	4.081	4.183	103.167	8.979	1.980	2.381
293		1.211	0.292	55.000	3.741	3.834	103.107	8.964	1.952	2.133
294		1.171	0.332	50.000	3.401	3.486	103.042	8.948	1.922	1.889
295		1.128	0.375	45.000	3.061	3.137	102.971	8.931	1.891	1.648
296		1.082	0.421	40.000	2.721	2.789	102.894	8.913	1.857	1.411
297		1.032	0.471	35.000	2.380	2.440	102.810	8.893	1.820	1.183
298		0.977	0.526	30.000	2.040	2.091	102.716	8.871	1.779	0.968
299		0.916	0.587	25.000	1.700	1.743	102.612	8.847	1.734	0.758
300		0.847	0.656	20.000	1.360	1.394	102.491	8.819	1.683	0.568
301		0.765	0.738	15.000	1.020	1.046	102.348	8.786	1.623	0.389
302		0.663	0.840	10.000	0.680	0.697	102.164	8.745	1.547	0.226
303		0.519	0.984	5.000	0.340	0.349	101.898	8.687	1.441	0.091
304		0.131	1.372	0.100	0.007	0.007	101.121	8.523	1.154	0.000
305		0.000	1.503	0.000	0.000	0.000	100.818	8.460	1.057	0.000
306	ESPACIO VACIO 8	2.204	0.000	100.000	28.584	29.299	95.802	-9.681	1.879	0.000
307		2.203	0.001	99.900	28.555	29.269	95.802	-9.681	1.878	32.351
308		2.152	0.052	95.000	27.155	27.834	95.785	-9.655	1.845	30.403
309		2.098	0.106	90.000	25.726	26.369	95.767	-9.628	1.809	28.436
310		2.043	0.161	85.000	24.296	24.904	95.748	-9.601	1.773	26.493
311		1.986	0.218	80.000	22.867	23.439	95.727	-9.572	1.736	24.580
312		1.928	0.276	75.000	21.438	21.974	95.704	-9.543	1.697	22.699
313		1.868	0.336	70.000	20.009	20.509	95.679	-9.512	1.657	20.845
314		1.806	0.399	65.000	18.580	19.044	95.652	-9.480	1.616	19.030
315		1.741	0.463	60.000	17.150	17.579	95.621	-9.447	1.574	17.254
316		1.674	0.530	55.000	15.721	16.114	95.587	-9.413	1.529	15.514
317		1.604	0.600	50.000	14.292	14.649	95.549	-9.377	1.482	13.815
318		1.530	0.674	45.000	12.863	13.184	95.505	-9.339	1.433	12.165
319		1.453	0.751	40.000	11.434	11.719	95.454	-9.299	1.382	10.559
320		1.371	0.834	35.000	10.004	10.254	95.393	-9.257	1.327	9.006
321		1.282	0.922	30.000	8.575	8.790	95.319	-9.211	1.267	7.505
322		1.187	1.018	25.000	7.146	7.325	95.227	-9.161	1.202	6.063
323		1.081	1.123	20.000	5.717	5.860	95.105	-9.107	1.130	4.682
324		0.961	1.243	15.000	4.288	4.395	94.936	-9.046	1.048	3.371
325		0.818	1.386	10.000	2.858	2.930	94.677	-8.974	0.948	2.138
326		0.627	1.578	5.000	1.429	1.465	94.230	-8.878	0.812	0.958
327		0.150	2.055	0.100	0.029	0.029	92.836	-8.584	0.466	0.007
328		0.000	2.204	0.000	0.000	0.000	92.269	-8.460	0.356	0.000
329	LASTRE 6	2.560	0.000	100.000	338.662	347.129	96.454	0.000	1.321	0.000

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
330		2.511	0.049	98.000	331.889	340.186	96.453	0.000	1.296	3537.607
331		2.508	0.052	97.900	331.550	339.839	96.453	0.000	1.295	3537.607
332		2.500	0.060	97.565	330.416	338.677	96.453	0.000	1.291	3537.607
333		2.400	0.160	93.507	316.673	324.590	96.451	0.000	1.241	3537.607
334		2.300	0.260	89.449	302.930	310.503	96.449	0.000	1.190	3537.607
335		2.200	0.360	85.391	289.187	296.416	96.447	0.000	1.140	3537.607
336		2.100	0.460	81.333	275.443	282.329	96.445	0.000	1.089	3537.607
337		2.000	0.560	77.275	261.700	268.242	96.442	0.000	1.039	3537.607
338		1.900	0.660	73.217	247.957	254.156	96.439	0.000	0.989	3537.607
339		1.800	0.760	69.158	234.213	240.069	96.436	0.000	0.938	3537.607
340		1.700	0.860	65.100	220.470	225.982	96.432	0.000	0.887	3537.607
341		1.600	0.960	61.042	206.727	211.895	96.428	0.000	0.837	3537.607
342		1.500	1.060	56.984	192.984	197.808	96.423	0.000	0.786	3537.607
343		1.400	1.160	52.926	179.240	183.721	96.418	0.000	0.735	3537.607
344		1.300	1.260	48.868	165.497	169.635	96.411	0.000	0.684	3537.607
345		1.200	1.360	44.810	151.754	155.548	96.403	0.000	0.633	3537.607
346		1.100	1.460	40.752	138.011	141.461	96.394	0.000	0.581	3537.607
347		1.000	1.560	36.694	124.269	127.375	96.383	0.000	0.529	3533.187
348		0.900	1.660	32.643	110.549	113.313	96.370	0.000	0.477	3499.671
349		0.800	1.760	28.611	96.896	99.318	96.356	0.000	0.424	3434.967
350		0.700	1.860	24.613	83.356	85.440	96.341	0.000	0.371	3332.017
351		0.600	1.960	20.668	69.994	71.744	96.327	0.000	0.318	3186.828
352		0.500	2.060	16.796	56.881	58.303	96.314	0.000	0.265	2988.865
353		0.400	2.160	13.031	44.130	45.233	96.303	0.000	0.211	2716.344
354		0.300	2.260	9.411	31.872	32.669	96.294	0.000	0.158	2361.664
355		0.200	2.360	5.983	20.263	20.769	96.281	0.000	0.105	1979.297
356		0.100	2.460	2.797	9.474	9.711	96.263	0.000	0.052	1512.364
357		0.038	2.522	1.000	3.387	3.471	96.241	0.000	0.020	1142.032
358		0.000	2.560	0.000	0.000	0.000	96.187	0.000	0.000	0.000
359	ESPACIO VACIO 9	2.204	0.000	100.000	28.584	29.299	95.802	9.681	1.879	0.000
360		2.203	0.001	99.900	28.555	29.269	95.802	9.681	1.878	32.351
361		2.152	0.052	95.000	27.155	27.834	95.785	9.655	1.845	30.403
362		2.098	0.106	90.000	25.726	26.369	95.767	9.628	1.809	28.436
363		2.043	0.161	85.000	24.296	24.904	95.748	9.601	1.773	26.493
364		1.986	0.218	80.000	22.867	23.439	95.727	9.572	1.736	24.580
365		1.928	0.276	75.000	21.438	21.974	95.704	9.543	1.697	22.699
366		1.868	0.336	70.000	20.009	20.509	95.679	9.512	1.657	20.845
367		1.806	0.399	65.000	18.580	19.044	95.652	9.480	1.616	19.030
368		1.741	0.463	60.000	17.150	17.579	95.621	9.447	1.574	17.254
369		1.674	0.530	55.000	15.721	16.114	95.587	9.413	1.529	15.514
370		1.604	0.600	50.000	14.292	14.649	95.549	9.377	1.482	13.815
371		1.530	0.674	45.000	12.863	13.184	95.505	9.339	1.433	12.165
372		1.453	0.751	40.000	11.434	11.719	95.454	9.299	1.382	10.559
373		1.371	0.834	35.000	10.004	10.254	95.393	9.257	1.327	9.006
374		1.282	0.922	30.000	8.575	8.790	95.319	9.211	1.267	7.505
375		1.187	1.018	25.000	7.146	7.325	95.227	9.161	1.202	6.063
376		1.081	1.123	20.000	5.717	5.860	95.105	9.107	1.130	4.682

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
377		0.961	1.243	15.000	4.288	4.395	94.936	9.046	1.048	3.371
378		0.818	1.386	10.000	2.858	2.930	94.677	8.974	0.948	2.138
379		0.627	1.578	5.000	1.429	1.465	94.230	8.878	0.812	0.958
380		0.150	2.055	0.100	0.029	0.029	92.836	8.584	0.466	0.007
381		0.000	2.204	0.000	0.000	0.000	92.269	8.460	0.356	0.000
382	ESPACIO VACIO 10	2.546	0.000	100.000	58.619	60.084	87.577	-10.259	1.644	0.000
383		2.545	0.002	99.900	58.560	60.024	87.576	-10.258	1.643	81.948
384		2.470	0.076	95.000	55.688	57.080	87.565	-10.228	1.598	78.517
385		2.393	0.153	90.000	52.757	54.076	87.553	-10.195	1.551	74.881
386		2.315	0.232	85.000	49.826	51.072	87.540	-10.161	1.503	71.094
387		2.234	0.312	80.000	46.895	48.068	87.526	-10.126	1.453	67.221
388		2.153	0.394	75.000	43.964	45.063	87.511	-10.089	1.403	63.249
389		2.069	0.478	70.000	41.033	42.059	87.494	-10.050	1.352	59.206
390		1.983	0.563	65.000	38.102	39.055	87.477	-10.009	1.299	55.094
391		1.895	0.652	60.000	35.171	36.051	87.457	-9.966	1.244	50.929
392		1.804	0.742	55.000	32.240	33.046	87.436	-9.920	1.188	46.713
393		1.710	0.836	50.000	29.309	30.042	87.412	-9.871	1.130	42.462
394		1.612	0.934	45.000	26.379	27.038	87.384	-9.819	1.069	38.175
395		1.511	1.035	40.000	23.448	24.034	87.353	-9.763	1.006	33.877
396		1.404	1.142	35.000	20.517	21.030	87.316	-9.702	0.939	29.553
397		1.292	1.255	30.000	17.586	18.025	87.271	-9.636	0.869	25.239
398		1.172	1.375	25.000	14.655	15.021	87.215	-9.562	0.793	20.920
399		1.042	1.505	20.000	11.724	12.017	87.142	-9.478	0.711	16.598
400		0.898	1.648	15.000	8.793	9.013	87.038	-9.381	0.620	12.335
401		0.733	1.813	10.000	5.862	6.008	86.869	-9.262	0.514	8.205
402		0.528	2.019	5.000	2.931	3.004	86.516	-9.100	0.380	4.119
403		0.099	2.447	0.100	0.059	0.060	84.659	-8.675	0.084	0.061
404		0.000	2.546	0.000	0.000	0.000	83.729	-8.460	0.014	0.000
405	LASTRE 7	2.560	0.000	100.000	349.829	358.575	87.940	0.000	1.285	0.000
406		2.509	0.051	98.000	342.833	351.404	87.940	0.000	1.260	3533.472
407		2.506	0.054	97.900	342.483	351.045	87.940	0.000	1.259	3533.472
408		2.500	0.060	97.646	341.593	350.133	87.940	0.000	1.255	3533.472
409		2.400	0.160	93.722	327.866	336.062	87.940	0.000	1.205	3533.472
410		2.300	0.260	89.798	314.139	321.992	87.939	0.000	1.155	3533.472
411		2.200	0.360	85.874	300.411	307.922	87.939	0.000	1.105	3533.472
412		2.100	0.460	81.950	286.684	293.851	87.938	0.000	1.055	3533.472
413		2.000	0.560	78.026	272.957	279.781	87.938	0.000	1.005	3533.472
414		1.900	0.660	74.102	259.230	265.710	87.937	0.000	0.955	3533.472
415		1.800	0.760	70.178	245.503	251.640	87.936	0.000	0.905	3533.472
416		1.700	0.860	66.254	231.775	237.570	87.936	0.000	0.855	3533.472
417		1.600	0.960	62.330	218.048	223.499	87.935	0.000	0.805	3533.472
418		1.500	1.060	58.406	204.321	209.429	87.934	0.000	0.755	3533.472
419		1.400	1.160	54.482	190.594	195.359	87.933	0.000	0.705	3533.472
420		1.300	1.260	50.558	176.867	181.288	87.931	0.000	0.655	3533.472
421		1.200	1.360	46.634	163.139	167.218	87.930	0.000	0.605	3533.472
422		1.100	1.460	42.710	149.412	153.147	87.928	0.000	0.555	3533.472
423		1.000	1.560	38.786	135.685	139.077	87.925	0.000	0.505	3533.472

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
424		0.900	1.660	34.862	121.958	125.007	87.923	0.000	0.455	3533.472
425		0.800	1.760	30.938	108.231	110.936	87.919	0.000	0.405	3533.472
426		0.700	1.860	27.014	94.503	96.866	87.915	0.000	0.355	3533.472
427		0.600	1.960	23.090	80.776	82.796	87.909	0.000	0.304	3533.472
428		0.500	2.060	19.166	67.049	68.725	87.900	0.000	0.254	3533.472
429		0.400	2.160	15.242	53.322	54.655	87.888	0.000	0.204	3533.472
430		0.300	2.260	11.319	39.598	40.588	87.866	0.000	0.153	3519.164
431		0.200	2.360	7.419	25.953	26.602	87.833	0.000	0.102	3403.749
432		0.100	2.460	3.595	12.576	12.891	87.788	0.000	0.051	3110.632
433		0.029	2.531	1.000	3.498	3.586	87.751	0.000	0.015	2633.968
434		0.000	2.560	0.000	0.000	0.000	87.715	0.000	0.000	0.000
435	ESPACIO VACIO 11	2.546	0.000	100.000	58.619	60.084	87.577	10.259	1.644	0.000
436		2.545	0.002	99.900	58.560	60.024	87.576	10.258	1.643	81.948
437		2.470	0.076	95.000	55.688	57.080	87.565	10.228	1.598	78.517
438		2.393	0.153	90.000	52.757	54.076	87.553	10.195	1.551	74.881
439		2.315	0.232	85.000	49.826	51.072	87.540	10.161	1.503	71.094
440		2.234	0.312	80.000	46.895	48.068	87.526	10.126	1.453	67.221
441		2.153	0.394	75.000	43.964	45.063	87.511	10.089	1.403	63.249
442		2.069	0.478	70.000	41.033	42.059	87.494	10.050	1.352	59.206
443		1.983	0.563	65.000	38.102	39.055	87.477	10.009	1.299	55.094
444		1.895	0.652	60.000	35.171	36.051	87.457	9.966	1.244	50.929
445		1.804	0.742	55.000	32.240	33.046	87.436	9.920	1.188	46.713
446		1.710	0.836	50.000	29.309	30.042	87.412	9.871	1.130	42.462
447		1.612	0.934	45.000	26.379	27.038	87.384	9.819	1.069	38.175
448		1.511	1.035	40.000	23.448	24.034	87.353	9.763	1.006	33.877
449		1.404	1.142	35.000	20.517	21.030	87.316	9.702	0.939	29.553
450		1.292	1.255	30.000	17.586	18.025	87.271	9.636	0.869	25.239
451		1.172	1.375	25.000	14.655	15.021	87.215	9.562	0.793	20.920
452		1.042	1.505	20.000	11.724	12.017	87.142	9.478	0.711	16.598
453		0.898	1.648	15.000	8.793	9.013	87.038	9.381	0.620	12.335
454		0.733	1.813	10.000	5.862	6.008	86.869	9.262	0.514	8.205
455		0.528	2.019	5.000	2.931	3.004	86.516	9.100	0.380	4.119
456		0.099	2.447	0.100	0.059	0.060	84.659	8.675	0.084	0.061
457		0.000	2.546	0.000	0.000	0.000	83.729	8.460	0.014	0.000
458	ESPACIO VACIO 12	2.560	0.000	100.000	85.725	87.868	79.226	-10.696	1.474	0.000
459		2.558	0.002	99.900	85.639	87.780	79.226	-10.695	1.473	117.312
460		2.462	0.098	95.000	81.439	83.475	79.219	-10.671	1.420	114.913
461		2.364	0.196	90.000	77.153	79.081	79.211	-10.644	1.364	112.086
462		2.265	0.295	85.000	72.866	74.688	79.203	-10.616	1.308	108.996
463		2.165	0.395	80.000	68.580	70.295	79.194	-10.586	1.252	105.679
464		2.063	0.497	75.000	64.294	65.901	79.185	-10.554	1.194	102.013
465		1.961	0.599	70.000	60.008	61.508	79.175	-10.519	1.136	98.097
466		1.856	0.704	65.000	55.721	57.114	79.164	-10.482	1.076	93.847
467		1.751	0.809	60.000	51.435	52.721	79.152	-10.442	1.016	89.304
468		1.643	0.917	55.000	47.149	48.328	79.139	-10.400	0.954	84.428
469		1.533	1.027	50.000	42.863	43.934	79.125	-10.353	0.891	79.246
470		1.420	1.140	45.000	38.576	39.541	79.109	-10.302	0.825	73.732

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
471		1.304	1.256	40.000	34.290	35.147	79.091	-10.246	0.758	67.861
472		1.184	1.376	35.000	30.004	30.754	79.071	-10.184	0.689	61.614
473		1.060	1.500	30.000	25.718	26.360	79.046	-10.115	0.617	54.972
474		0.930	1.630	25.000	21.431	21.967	79.017	-10.036	0.541	47.882
475		0.793	1.767	20.000	17.145	17.574	78.981	-9.944	0.461	40.282
476		0.645	1.915	15.000	12.859	13.180	78.932	-9.834	0.374	32.121
477		0.482	2.078	10.000	8.573	8.787	78.859	-9.693	0.279	23.324
478		0.292	2.268	5.000	4.286	4.393	78.725	-9.495	0.167	13.513
479		0.013	2.547	0.100	0.086	0.088	77.800	-9.046	0.007	1.601
480		0.000	2.560	0.000	0.000	0.000	77.055	-8.871	0.000	0.000
481	LASTRE 8	2.560	0.000	100.000	351.411	360.197	79.410	0.000	1.280	0.000
482		2.509	0.051	98.000	344.383	352.993	79.410	0.000	1.254	3533.472
483		2.506	0.054	97.900	344.032	352.633	79.410	0.000	1.253	3533.472
484		2.500	0.060	97.656	343.175	351.754	79.410	0.000	1.250	3533.472
485		2.400	0.160	93.750	329.448	337.684	79.410	0.000	1.200	3533.472
486		2.300	0.260	89.844	315.721	323.614	79.410	0.000	1.150	3533.472
487		2.200	0.360	85.937	301.993	309.543	79.410	0.000	1.100	3533.472
488		2.100	0.460	82.031	288.266	295.473	79.410	0.000	1.050	3533.472
489		2.000	0.560	78.125	274.539	281.402	79.410	0.000	1.000	3533.472
490		1.900	0.660	74.218	260.812	267.332	79.410	0.000	0.950	3533.472
491		1.800	0.760	70.312	247.085	253.262	79.410	0.000	0.900	3533.472
492		1.700	0.860	66.406	233.357	239.191	79.410	0.000	0.850	3533.472
493		1.600	0.960	62.499	219.630	225.121	79.410	0.000	0.800	3533.472
494		1.500	1.060	58.593	205.903	211.051	79.410	0.000	0.750	3533.472
495		1.400	1.160	54.687	192.176	196.980	79.410	0.000	0.700	3533.472
496		1.300	1.260	50.781	178.449	182.910	79.410	0.000	0.650	3533.472
497		1.200	1.360	46.874	164.721	168.839	79.410	0.000	0.600	3533.472
498		1.100	1.460	42.968	150.994	154.769	79.410	0.000	0.550	3533.472
499		1.000	1.560	39.062	137.267	140.699	79.410	0.000	0.500	3533.472
500		0.900	1.660	35.155	123.540	126.628	79.410	0.000	0.450	3533.472
501		0.800	1.760	31.249	109.813	112.558	79.410	0.000	0.400	3533.472
502		0.700	1.860	27.343	96.085	98.488	79.410	0.000	0.350	3533.472
503		0.600	1.960	23.436	82.358	84.417	79.410	0.000	0.300	3533.472
504		0.500	2.060	19.530	68.631	70.347	79.410	0.000	0.250	3533.472
505		0.400	2.160	15.624	54.904	56.276	79.410	0.000	0.200	3533.472
506		0.300	2.260	11.718	41.177	42.206	79.410	0.000	0.150	3533.472
507		0.200	2.360	7.811	27.449	28.136	79.409	0.000	0.100	3533.472
508		0.100	2.460	3.905	13.722	14.065	79.409	0.000	0.050	3533.472
509		0.026	2.534	1.000	3.514	3.602	79.405	0.000	0.013	3533.472
510		0.000	2.560	0.000	0.000	0.000	79.339	0.000	0.000	0.000
511	ESPACIO VACIO 13	2.560	0.000	100.000	85.725	87.868	79.226	10.696	1.474	0.000
512		2.558	0.002	99.900	85.639	87.780	79.226	10.695	1.473	117.312
513		2.462	0.098	95.000	81.439	83.475	79.219	10.671	1.420	114.913
514		2.364	0.196	90.000	77.153	79.081	79.211	10.644	1.364	112.086
515		2.265	0.295	85.000	72.866	74.688	79.203	10.616	1.308	108.996
516		2.165	0.395	80.000	68.580	70.295	79.194	10.586	1.252	105.679
517		2.063	0.497	75.000	64.294	65.901	79.185	10.554	1.194	102.012

Academic Version

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518		1.961	0.599	70.000	60.008	61.508	79.175	10.519	1.136	98.097
519		1.856	0.704	65.000	55.721	57.114	79.164	10.482	1.076	93.847
520		1.751	0.809	60.000	51.435	52.721	79.152	10.442	1.016	89.304
521		1.643	0.917	55.000	47.149	48.328	79.139	10.400	0.954	84.428
522		1.533	1.027	50.000	42.863	43.934	79.125	10.353	0.891	79.246
523		1.420	1.140	45.000	38.576	39.541	79.109	10.302	0.825	73.732
524		1.304	1.256	40.000	34.290	35.147	79.091	10.246	0.758	67.861
525		1.184	1.376	35.000	30.004	30.754	79.071	10.184	0.689	61.614
526		1.060	1.500	30.000	25.718	26.360	79.046	10.115	0.617	54.972
527		0.930	1.630	25.000	21.431	21.967	79.017	10.036	0.541	47.882
528		0.793	1.767	20.000	17.145	17.574	78.981	9.944	0.461	40.282
529		0.645	1.915	15.000	12.859	13.180	78.932	9.834	0.374	32.121
530		0.482	2.078	10.000	8.573	8.787	78.859	9.693	0.279	23.324
531		0.292	2.268	5.000	4.286	4.393	78.725	9.495	0.167	13.513
532		0.013	2.547	0.100	0.086	0.088	77.800	9.046	0.007	1.601
533		0.000	2.560	0.000	0.000	0.000	77.055	8.871	0.000	0.000
534	ESPACIO VACIO 14	2.560	0.000	100.000	101.124	103.652	70.809	-10.956	1.384	0.000
535		2.558	0.002	99.900	101.023	103.549	70.809	-10.955	1.383	124.704
536		2.448	0.112	95.000	96.068	98.470	70.806	-10.941	1.325	124.704
537		2.335	0.225	90.000	91.012	93.287	70.803	-10.924	1.266	124.559
538		2.223	0.337	85.000	85.956	88.104	70.799	-10.906	1.206	123.994
539		2.110	0.450	80.000	80.899	82.922	70.795	-10.886	1.146	122.986
540		1.997	0.563	75.000	75.843	77.739	70.791	-10.864	1.085	121.429
541		1.884	0.676	70.000	70.787	72.557	70.787	-10.840	1.024	119.107
542		1.769	0.791	65.000	65.731	67.374	70.783	-10.814	0.963	116.283
543		1.654	0.906	60.000	60.675	62.191	70.778	-10.785	0.900	113.151
544		1.537	1.023	55.000	55.618	57.009	70.773	-10.754	0.837	109.528
545		1.419	1.141	50.000	50.562	51.826	70.767	-10.719	0.773	105.477
546		1.299	1.261	45.000	45.506	46.644	70.761	-10.681	0.708	100.944
547		1.178	1.382	40.000	40.450	41.461	70.753	-10.638	0.642	95.839
548		1.054	1.506	35.000	35.393	36.278	70.745	-10.590	0.574	90.119
549		0.927	1.633	30.000	30.337	31.096	70.735	-10.535	0.504	83.662
550		0.796	1.764	25.000	25.281	25.913	70.724	-10.471	0.433	76.339
551		0.661	1.899	20.000	20.225	20.730	70.710	-10.397	0.359	68.054
552		0.520	2.040	15.000	15.169	15.548	70.692	-10.305	0.281	58.536
553		0.370	2.190	10.000	10.112	10.365	70.668	-10.188	0.199	47.281
554		0.205	2.355	5.000	5.056	5.183	70.631	-10.017	0.109	33.196
555		0.006	2.554	0.100	0.101	0.104	70.505	-9.594	0.003	10.333
556		0.000	2.560	0.000	0.000	0.000	70.407	-9.379	0.000	0.000
557	LASTRE 9	2.560	0.000	100.000	351.416	360.202	70.870	0.000	1.280	0.000
558		2.509	0.051	98.000	344.388	352.998	70.870	0.000	1.254	3533.472
559		2.506	0.054	97.900	344.037	352.637	70.870	0.000	1.253	3533.472
560		2.500	0.060	97.656	343.180	351.759	70.870	0.000	1.250	3533.472
561		2.400	0.160	93.750	329.453	337.689	70.870	0.000	1.200	3533.472
562		2.300	0.260	89.844	315.726	323.619	70.870	0.000	1.150	3533.472
563		2.200	0.360	85.938	301.998	309.548	70.870	0.000	1.100	3533.472
564		2.100	0.460	82.031	288.271	295.478	70.870	0.000	1.050	3533.472

Academic Version

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565		2.000	0.560	78.125	274.544	281.408	70.870	0.000	1.000	3533.472
566		1.900	0.660	74.219	260.817	267.337	70.870	0.000	0.950	3533.472
567		1.800	0.760	70.313	247.090	253.267	70.870	0.000	0.900	3533.472
568		1.700	0.860	66.406	233.362	239.196	70.870	0.000	0.850	3533.472
569		1.600	0.960	62.500	219.635	225.126	70.870	0.000	0.800	3533.472
570		1.500	1.060	58.594	205.908	211.056	70.870	0.000	0.750	3533.472
571		1.400	1.160	54.688	192.181	196.985	70.870	0.000	0.700	3533.472
572		1.300	1.260	50.781	178.454	182.915	70.870	0.000	0.650	3533.472
573		1.200	1.360	46.875	164.726	168.845	70.870	0.000	0.600	3533.472
574		1.100	1.460	42.969	150.999	154.774	70.870	0.000	0.550	3533.472
575		1.000	1.560	39.063	137.272	140.704	70.870	0.000	0.500	3533.472
576		0.900	1.660	35.156	123.545	126.633	70.870	0.000	0.450	3533.472
577		0.800	1.760	31.250	109.818	112.563	70.870	0.000	0.400	3533.472
578		0.700	1.860	27.344	96.090	98.493	70.870	0.000	0.350	3533.472
579		0.600	1.960	23.438	82.363	84.422	70.870	0.000	0.300	3533.472
580		0.500	2.060	19.531	68.636	70.352	70.870	0.000	0.250	3533.472
581		0.400	2.160	15.625	54.909	56.282	70.870	0.000	0.200	3533.472
582		0.300	2.260	11.719	41.182	42.211	70.870	0.000	0.150	3533.472
583		0.200	2.360	7.812	27.454	28.141	70.870	0.000	0.100	3533.472
584		0.100	2.460	3.906	13.727	14.070	70.870	0.000	0.050	3533.472
585		0.026	2.534	1.000	3.514	3.602	70.870	0.000	0.013	3533.472
586		0.000	2.560	0.000	0.000	0.000	70.870	0.000	0.000	0.000
587	ESPACIO VACIO 15	2.560	0.000	100.000	101.124	103.652	70.809	10.956	1.384	0.000
588		2.558	0.002	99.900	101.023	103.549	70.809	10.955	1.383	124.704
589		2.448	0.112	95.000	96.068	98.470	70.806	10.941	1.325	124.704
590		2.335	0.225	90.000	91.012	93.287	70.803	10.924	1.266	124.559
591		2.223	0.337	85.000	85.956	88.104	70.799	10.906	1.206	123.994
592		2.110	0.450	80.000	80.899	82.922	70.795	10.886	1.146	122.986
593		1.997	0.563	75.000	75.843	77.739	70.791	10.864	1.085	121.429
594		1.884	0.676	70.000	70.787	72.557	70.787	10.840	1.024	119.107
595		1.769	0.791	65.000	65.731	67.374	70.783	10.814	0.963	116.283
596		1.654	0.906	60.000	60.675	62.191	70.778	10.785	0.900	113.151
597		1.537	1.023	55.000	55.618	57.009	70.773	10.754	0.837	109.528
598		1.419	1.141	50.000	50.562	51.826	70.767	10.719	0.773	105.477
599		1.299	1.261	45.000	45.506	46.644	70.761	10.681	0.708	100.944
600		1.178	1.382	40.000	40.450	41.461	70.753	10.638	0.642	95.839
601		1.054	1.506	35.000	35.393	36.278	70.745	10.590	0.574	90.119
602		0.927	1.633	30.000	30.337	31.096	70.735	10.535	0.504	83.662
603		0.796	1.764	25.000	25.281	25.913	70.724	10.471	0.433	76.339
604		0.661	1.899	20.000	20.225	20.730	70.710	10.397	0.359	68.054
605		0.520	2.040	15.000	15.169	15.548	70.692	10.305	0.281	58.536
606		0.370	2.190	10.000	10.112	10.365	70.668	10.188	0.199	47.281
607		0.205	2.355	5.000	5.056	5.183	70.631	10.017	0.109	33.196
608		0.006	2.554	0.100	0.101	0.104	70.505	9.594	0.003	10.333
609		0.000	2.560	0.000	0.000	0.000	70.407	9.379	0.000	0.000
610	ESPACIO VACIO 16	2.560	0.000	100.000	103.462	106.048	62.364	-11.005	1.372	0.000
611		2.558	0.002	99.900	103.358	105.942	62.364	-11.004	1.371	124.704

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
612		2.445	0.115	95.000	98.289	100.746	62.366	-10.993	1.312	124.704
613		2.330	0.230	90.000	93.116	95.444	62.368	-10.979	1.252	124.704
614		2.215	0.345	85.000	87.943	90.141	62.370	-10.964	1.192	124.704
615		2.100	0.460	80.000	82.769	84.839	62.373	-10.947	1.132	124.594
616		1.985	0.575	75.000	77.596	79.536	62.375	-10.928	1.071	124.146
617		1.870	0.690	70.000	72.423	74.234	62.378	-10.907	1.010	122.874
618		1.754	0.806	65.000	67.250	68.931	62.381	-10.883	0.948	120.484
619		1.638	0.922	60.000	62.077	63.629	62.384	-10.857	0.886	117.789
620		1.520	1.040	55.000	56.904	58.327	62.388	-10.829	0.823	114.532
621		1.401	1.159	50.000	51.731	53.024	62.393	-10.797	0.759	110.863
622		1.281	1.279	45.000	46.558	47.722	62.398	-10.762	0.695	106.693
623		1.159	1.401	40.000	41.385	42.419	62.404	-10.723	0.629	101.974
624		1.035	1.525	35.000	36.212	37.117	62.412	-10.679	0.562	96.647
625		0.909	1.651	30.000	31.039	31.815	62.421	-10.629	0.494	90.638
626		0.779	1.781	25.000	25.865	26.512	62.434	-10.570	0.424	83.747
627		0.646	1.914	20.000	20.692	21.210	62.451	-10.499	0.351	75.775
628		0.507	2.053	15.000	15.519	15.907	62.477	-10.412	0.276	66.379
629		0.361	2.199	10.000	10.346	10.605	62.523	-10.297	0.197	55.016
630		0.202	2.358	5.000	5.173	5.302	62.632	-10.120	0.110	39.973
631		0.007	2.553	0.100	0.103	0.106	63.763	-9.676	0.004	10.418
632		0.000	2.560	0.000	0.000	0.000	64.294	-9.596	0.000	0.000
633	REBOSE D.O.	2.560	0.000	100.000	26.636	22.375	64.915	-6.835	1.280	0.000
634		2.509	0.051	98.000	26.104	21.927	64.915	-6.835	1.254	8.098
635		2.506	0.054	97.900	26.077	21.905	64.915	-6.835	1.253	8.098
636		2.500	0.060	97.656	26.012	21.850	64.915	-6.835	1.250	8.098
637		2.400	0.160	93.750	24.972	20.976	64.915	-6.835	1.200	8.098
638		2.300	0.260	89.844	23.931	20.102	64.915	-6.835	1.150	8.098
639		2.200	0.360	85.938	22.891	19.228	64.915	-6.835	1.100	8.098
640		2.100	0.460	82.031	21.850	18.354	64.915	-6.835	1.050	8.098
641		2.000	0.560	78.125	20.810	17.480	64.915	-6.835	1.000	8.098
642		1.900	0.660	74.219	19.769	16.606	64.915	-6.835	0.950	8.098
643		1.800	0.760	70.312	18.729	15.732	64.915	-6.835	0.900	8.098
644		1.700	0.860	66.406	17.688	14.858	64.915	-6.835	0.850	8.098
645		1.600	0.960	62.500	16.648	13.984	64.915	-6.835	0.800	8.098
646		1.500	1.060	58.594	15.607	13.110	64.915	-6.835	0.750	8.098
647		1.400	1.160	54.687	14.567	12.236	64.915	-6.835	0.700	8.098
648		1.300	1.260	50.781	13.526	11.362	64.915	-6.835	0.650	8.098
649		1.200	1.360	46.875	12.486	10.488	64.915	-6.835	0.600	8.098
650		1.100	1.460	42.969	11.445	9.614	64.915	-6.835	0.550	8.098
651		1.000	1.560	39.062	10.405	8.740	64.915	-6.835	0.500	8.098
652		0.900	1.660	35.156	9.364	7.866	64.915	-6.835	0.450	8.098
653		0.800	1.760	31.250	8.324	6.992	64.915	-6.835	0.400	8.098
654		0.700	1.860	27.344	7.283	6.118	64.915	-6.835	0.350	8.098
655		0.600	1.960	23.437	6.243	5.244	64.915	-6.835	0.300	8.098
656		0.500	2.060	19.531	5.202	4.370	64.915	-6.835	0.250	8.098
657		0.400	2.160	15.625	4.162	3.496	64.915	-6.835	0.200	8.098
658		0.300	2.260	11.719	3.121	2.622	64.915	-6.835	0.150	8.098

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
659		0.200	2.360	7.812	2.081	1.748	64.915	-6.835	0.100	8.098
660		0.100	2.460	3.906	1.040	0.874	64.915	-6.835	0.050	8.098
661		0.026	2.534	1.000	0.266	0.224	64.915	-6.835	0.013	8.098
662		0.000	2.560	0.000	0.000	0.000	64.919	-6.835	0.000	0.000
663	REBOSE F.O.	2.560	0.000	100.000	26.635	25.152	61.545	-6.835	1.280	0.000
664		2.509	0.051	98.000	26.103	24.649	61.545	-6.835	1.254	9.104
665		2.506	0.054	97.900	26.076	24.624	61.545	-6.835	1.253	9.104
666		2.500	0.060	97.656	26.011	24.562	61.545	-6.835	1.250	9.104
667		2.400	0.160	93.750	24.971	23.580	61.545	-6.835	1.200	9.104
668		2.300	0.260	89.843	23.930	22.597	61.545	-6.835	1.150	9.104
669		2.200	0.360	85.937	22.890	21.615	61.545	-6.835	1.100	9.104
670		2.100	0.460	82.031	21.849	20.632	61.545	-6.835	1.050	9.104
671		2.000	0.560	78.124	20.809	19.650	61.545	-6.835	1.000	9.104
672		1.900	0.660	74.218	19.768	18.667	61.545	-6.835	0.950	9.104
673		1.800	0.760	70.311	18.728	17.685	61.545	-6.835	0.900	9.104
674		1.700	0.860	66.405	17.687	16.702	61.545	-6.835	0.850	9.104
675		1.600	0.960	62.499	16.647	15.720	61.545	-6.835	0.800	9.104
676		1.500	1.060	58.592	15.606	14.737	61.545	-6.835	0.750	9.104
677		1.400	1.160	54.686	14.566	13.755	61.545	-6.835	0.700	9.104
678		1.300	1.260	50.779	13.525	12.772	61.545	-6.835	0.650	9.104
679		1.200	1.360	46.873	12.485	11.789	61.545	-6.835	0.600	9.104
680		1.100	1.460	42.967	11.444	10.807	61.545	-6.835	0.550	9.104
681		1.000	1.560	39.060	10.404	9.824	61.545	-6.835	0.500	9.104
682		0.900	1.660	35.154	9.363	8.842	61.545	-6.835	0.450	9.104
683		0.800	1.760	31.247	8.323	7.859	61.545	-6.835	0.400	9.104
684		0.700	1.860	27.341	7.282	6.877	61.545	-6.835	0.350	9.104
685		0.600	1.960	23.435	6.242	5.894	61.545	-6.835	0.300	9.104
686		0.500	2.060	19.528	5.201	4.912	61.545	-6.835	0.250	9.104
687		0.400	2.160	15.622	4.161	3.929	61.545	-6.835	0.200	9.104
688		0.300	2.260	11.715	3.120	2.947	61.545	-6.835	0.150	9.104
689		0.200	2.360	7.809	2.080	1.964	61.545	-6.835	0.100	9.104
690		0.100	2.460	3.903	1.039	0.982	61.546	-6.835	0.050	9.104
691		0.026	2.534	1.000	0.266	0.252	61.548	-6.835	0.013	9.104
692		0.000	2.560	0.000	0.000	0.000	62.381	-6.770	0.000	0.000
693	LASTRE 10	2.560	0.000	100.000	14.213	14.569	58.960	-6.834	1.281	0.000
694		2.509	0.051	98.000	13.929	14.277	58.960	-6.834	1.256	5.278
695		2.506	0.054	97.900	13.915	14.263	58.960	-6.834	1.254	5.278
696		2.500	0.060	97.665	13.881	14.228	58.960	-6.834	1.251	5.278
697		2.400	0.160	93.754	13.326	13.659	58.960	-6.834	1.201	5.278
698		2.300	0.260	89.844	12.770	13.089	58.960	-6.834	1.151	5.278
699		2.200	0.360	85.934	12.214	12.519	58.960	-6.834	1.101	5.278
700		2.100	0.460	82.024	11.658	11.950	58.960	-6.834	1.051	5.278
701		2.000	0.560	78.114	11.103	11.380	58.960	-6.834	1.001	5.278
702		1.900	0.660	74.204	10.547	10.811	58.960	-6.834	0.951	5.278
703		1.800	0.760	70.294	9.991	10.241	58.961	-6.834	0.901	5.278
704		1.700	0.860	66.384	9.435	9.671	58.961	-6.834	0.851	5.278
705		1.600	0.960	62.474	8.880	9.102	58.961	-6.834	0.801	5.278

Academic Version

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706		1.500	1.060	58.564	8.324	8.532	58.961	-6.834	0.751	5.278
707		1.400	1.160	54.654	7.768	7.962	58.961	-6.834	0.701	5.278
708		1.300	1.260	50.744	7.212	7.393	58.961	-6.833	0.651	5.278
709		1.200	1.360	46.834	6.657	6.823	58.961	-6.833	0.601	5.278
710		1.100	1.460	42.924	6.101	6.253	58.961	-6.833	0.551	5.278
711		1.000	1.560	39.014	5.545	5.684	58.961	-6.833	0.501	5.278
712		0.900	1.660	35.104	4.989	5.114	58.961	-6.833	0.451	5.278
713		0.800	1.760	31.193	4.434	4.544	58.961	-6.832	0.401	5.278
714		0.700	1.860	27.283	3.878	3.975	58.961	-6.832	0.351	5.278
715		0.600	1.960	23.373	3.322	3.405	58.962	-6.832	0.301	5.278
716		0.500	2.060	19.463	2.766	2.836	58.962	-6.831	0.251	5.278
717		0.400	2.160	15.553	2.211	2.266	58.962	-6.830	0.201	5.278
718		0.300	2.260	11.643	1.655	1.696	58.963	-6.828	0.151	5.278
719		0.200	2.360	7.733	1.099	1.127	58.965	-6.824	0.101	5.278
720		0.100	2.460	3.823	0.543	0.557	58.969	-6.814	0.051	5.278
721		0.028	2.532	1.000	0.142	0.146	58.996	-6.753	0.015	5.278
722		0.000	2.560	0.000	0.000	0.000	59.762	-5.683	0.000	0.000
723	LASTRE 11	2.560	0.000	100.000	283.893	290.990	62.330	1.625	1.280	0.000
724		2.509	0.051	98.000	278.215	285.171	62.330	1.625	1.255	1863.399
725		2.506	0.054	97.900	277.931	284.880	62.330	1.625	1.253	1863.399
726		2.500	0.060	97.656	277.239	284.170	62.330	1.625	1.250	1863.399
727		2.400	0.160	93.749	266.148	272.802	62.330	1.625	1.200	1863.399
728		2.300	0.260	89.843	255.058	261.434	62.330	1.625	1.150	1863.399
729		2.200	0.360	85.936	243.967	250.067	62.330	1.625	1.100	1863.399
730		2.100	0.460	82.030	232.877	238.699	62.330	1.625	1.050	1863.399
731		2.000	0.560	78.123	221.786	227.331	62.330	1.625	1.000	1863.399
732		1.900	0.660	74.217	210.696	215.963	62.330	1.625	0.950	1863.399
733		1.800	0.760	70.310	199.606	204.596	62.330	1.625	0.900	1863.399
734		1.700	0.860	66.404	188.515	193.228	62.330	1.625	0.850	1863.399
735		1.600	0.960	62.497	177.425	181.860	62.330	1.625	0.800	1863.399
736		1.500	1.060	58.590	166.334	170.492	62.330	1.625	0.750	1863.399
737		1.400	1.160	54.684	155.244	159.125	62.331	1.624	0.700	1863.399
738		1.300	1.260	50.777	144.153	147.757	62.331	1.624	0.650	1863.399
739		1.200	1.360	46.871	133.063	136.389	62.331	1.624	0.600	1863.399
740		1.100	1.460	42.964	121.972	125.022	62.331	1.624	0.550	1863.399
741		1.000	1.560	39.058	110.882	113.654	62.331	1.624	0.500	1863.399
742		0.900	1.660	35.151	99.791	102.286	62.331	1.624	0.450	1863.399
743		0.800	1.760	31.244	88.701	90.918	62.331	1.624	0.400	1863.399
744		0.700	1.860	27.338	77.610	79.551	62.331	1.624	0.350	1863.399
745		0.600	1.960	23.431	66.520	68.183	62.331	1.624	0.300	1863.399
746		0.500	2.060	19.525	55.429	56.815	62.331	1.624	0.250	1863.399
747		0.400	2.160	15.618	44.339	45.447	62.332	1.623	0.200	1863.399
748		0.300	2.260	11.712	33.249	34.080	62.332	1.623	0.150	1863.399
749		0.200	2.360	7.805	22.158	22.712	62.334	1.621	0.100	1863.399
750		0.100	2.460	3.899	11.068	11.344	62.337	1.618	0.050	1863.399
751		0.026	2.534	1.000	2.839	2.910	62.358	1.596	0.013	1863.399
752		0.000	2.560	0.000	0.000	0.000	63.694	1.380	0.000	0.000

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
753	ESPACIO VACIO 17	2.560	0.000	100.000	103.462	106.048	62.364	11.005	1.372	0.000
754		2.558	0.002	99.900	103.358	105.942	62.364	11.004	1.371	124.704
755		2.445	0.115	95.000	98.289	100.746	62.366	10.993	1.312	124.704
756		2.330	0.230	90.000	93.116	95.444	62.368	10.979	1.252	124.704
757		2.215	0.345	85.000	87.943	90.141	62.370	10.964	1.192	124.704
758		2.100	0.460	80.000	82.769	84.839	62.373	10.947	1.132	124.594
759		1.985	0.575	75.000	77.596	79.536	62.375	10.928	1.071	124.146
760		1.870	0.690	70.000	72.423	74.234	62.378	10.907	1.010	122.874
761		1.754	0.806	65.000	67.250	68.931	62.381	10.883	0.948	120.484
762		1.638	0.922	60.000	62.077	63.629	62.384	10.857	0.886	117.789
763		1.520	1.040	55.000	56.904	58.327	62.388	10.829	0.823	114.532
764		1.401	1.159	50.000	51.731	53.024	62.393	10.797	0.759	110.863
765		1.281	1.279	45.000	46.558	47.722	62.398	10.762	0.695	106.693
766		1.159	1.401	40.000	41.385	42.419	62.404	10.723	0.629	101.974
767		1.035	1.525	35.000	36.212	37.117	62.412	10.679	0.562	96.647
768		0.909	1.651	30.000	31.039	31.815	62.421	10.629	0.494	90.638
769		0.779	1.781	25.000	25.865	26.512	62.434	10.570	0.424	83.747
770		0.646	1.914	20.000	20.692	21.210	62.451	10.499	0.351	75.775
771		0.507	2.053	15.000	15.519	15.907	62.477	10.412	0.276	66.379
772		0.361	2.199	10.000	10.346	10.605	62.523	10.297	0.197	55.016
773		0.202	2.358	5.000	5.173	5.302	62.632	10.120	0.110	39.973
774		0.007	2.553	0.100	0.103	0.106	63.763	9.676	0.004	10.418
775		0.000	2.560	0.000	0.000	0.000	64.294	9.596	0.000	0.000
776	ESPACIO VACIO 18	2.540	0.000	100.000	89.171	91.400	53.971	-10.844	1.484	0.000
777		2.538	0.002	99.900	89.081	91.308	53.971	-10.844	1.483	120.706
778		2.439	0.100	95.000	84.712	86.830	53.979	-10.825	1.430	119.396
779		2.339	0.201	90.000	80.254	82.260	53.987	-10.805	1.376	117.805
780		2.237	0.302	85.000	75.795	77.690	53.996	-10.783	1.321	115.927
781		2.135	0.404	80.000	71.336	73.120	54.006	-10.760	1.265	113.673
782		2.033	0.507	75.000	66.878	68.550	54.016	-10.735	1.209	111.133
783		1.929	0.610	70.000	62.419	63.980	54.028	-10.707	1.153	108.357
784		1.825	0.715	65.000	57.961	59.410	54.041	-10.678	1.096	105.227
785		1.719	0.820	60.000	53.502	54.840	54.056	-10.645	1.037	101.807
786		1.613	0.927	55.000	49.044	50.270	54.073	-10.610	0.978	98.054
787		1.504	1.035	50.000	44.585	45.700	54.093	-10.571	0.918	93.921
788		1.394	1.145	45.000	40.127	41.130	54.116	-10.527	0.857	89.403
789		1.282	1.257	40.000	35.668	36.560	54.143	-10.479	0.794	84.427
790		1.168	1.372	35.000	31.210	31.990	54.177	-10.424	0.730	78.875
791		1.050	1.490	30.000	26.751	27.420	54.219	-10.360	0.663	72.527
792		0.928	1.611	25.000	22.293	22.850	54.273	-10.287	0.594	65.280
793		0.801	1.738	20.000	17.834	18.280	54.347	-10.200	0.521	56.892
794		0.666	1.873	15.000	13.376	13.710	54.455	-10.093	0.443	47.438
795		0.520	2.020	10.000	8.917	9.140	54.639	-9.956	0.357	36.800
796		0.352	2.187	5.000	4.459	4.570	55.056	-9.755	0.256	24.146
797		0.056	2.484	0.100	0.089	0.091	57.159	-9.074	0.060	0.961
798		0.000	2.540	0.000	0.000	0.000	58.012	-8.463	0.020	0.000
799	LASTRE 12	2.559	0.000	100.000	40.751	41.769	55.455	-6.830	1.300	0.000

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
800		2.508	0.050	98.000	39.936	40.934	55.455	-6.830	1.275	15.365
801		2.506	0.053	97.900	39.895	40.892	55.455	-6.830	1.274	15.365
802		2.500	0.059	97.665	39.799	40.794	55.455	-6.830	1.271	15.365
803		2.400	0.159	93.695	38.181	39.136	55.456	-6.830	1.221	15.365
804		2.300	0.259	89.725	36.563	37.478	55.457	-6.829	1.171	15.365
805		2.200	0.359	85.755	34.946	35.819	55.458	-6.829	1.121	15.365
806		2.100	0.459	81.785	33.328	34.161	55.458	-6.829	1.071	15.365
807		2.000	0.559	77.814	31.710	32.503	55.459	-6.829	1.021	15.365
808		1.900	0.659	73.844	30.092	30.844	55.460	-6.828	0.971	15.365
809		1.800	0.759	69.874	28.474	29.186	55.462	-6.828	0.921	15.365
810		1.700	0.859	65.904	26.856	27.528	55.463	-6.827	0.871	15.365
811		1.600	0.959	61.934	25.239	25.869	55.464	-6.827	0.821	15.365
812		1.500	1.059	57.964	23.621	24.211	55.466	-6.826	0.771	15.365
813		1.400	1.159	53.994	22.003	22.553	55.468	-6.826	0.721	15.365
814		1.300	1.259	50.024	20.385	20.895	55.470	-6.825	0.671	15.365
815		1.200	1.359	46.054	18.767	19.236	55.473	-6.824	0.621	15.365
816		1.100	1.459	42.083	17.149	17.578	55.476	-6.823	0.571	15.365
817		1.000	1.559	38.113	15.531	15.920	55.480	-6.822	0.521	15.365
818		0.900	1.659	34.143	13.914	14.261	55.484	-6.820	0.471	15.365
819		0.800	1.759	30.173	12.296	12.603	55.490	-6.819	0.421	15.365
820		0.700	1.859	26.203	10.678	10.945	55.498	-6.816	0.371	15.365
821		0.600	1.959	22.233	9.060	9.287	55.508	-6.813	0.320	15.365
822		0.500	2.059	18.263	7.442	7.628	55.523	-6.808	0.270	15.365
823		0.400	2.159	14.293	5.824	5.970	55.546	-6.800	0.220	15.365
824		0.300	2.259	10.322	4.206	4.312	55.586	-6.787	0.170	15.365
825		0.200	2.359	6.352	2.589	2.653	55.678	-6.757	0.118	15.365
826		0.100	2.459	2.397	0.977	1.001	56.056	-6.636	0.064	14.282
827		0.060	2.499	1.000	0.408	0.418	56.529	-6.514	0.040	10.996
828		0.000	2.559	0.000	0.000	0.000	58.024	-5.359	0.001	0.000
829	LODOS	2.497	0.000	100.000	24.604	22.464	51.182	-6.826	1.352	0.000
830		2.448	0.048	98.000	24.112	22.015	51.183	-6.826	1.328	8.619
831		2.446	0.051	97.900	24.088	21.992	51.183	-6.826	1.327	8.619
832		2.400	0.097	96.002	23.621	21.566	51.183	-6.825	1.304	8.619
833		2.300	0.197	91.861	22.602	20.635	51.184	-6.825	1.254	8.619
834		2.200	0.297	87.720	21.583	19.705	51.184	-6.825	1.204	8.619
835		2.100	0.397	83.579	20.564	18.775	51.185	-6.824	1.154	8.619
836		2.000	0.497	79.438	19.545	17.845	51.186	-6.823	1.104	8.619
837		1.900	0.597	75.297	18.526	16.915	51.186	-6.823	1.054	8.619
838		1.800	0.697	71.156	17.507	15.984	51.187	-6.822	1.004	8.619
839		1.700	0.797	67.015	16.489	15.054	51.189	-6.821	0.954	8.619
840		1.600	0.897	62.874	15.470	14.124	51.190	-6.820	0.904	8.619
841		1.500	0.997	58.733	14.451	13.194	51.191	-6.819	0.854	8.619
842		1.400	1.097	54.592	13.432	12.263	51.193	-6.818	0.804	8.619
843		1.300	1.197	50.451	12.413	11.333	51.195	-6.817	0.754	8.619
844		1.200	1.297	46.309	11.394	10.403	51.197	-6.815	0.704	8.619
845		1.100	1.397	42.168	10.375	9.473	51.199	-6.813	0.654	8.619
846		1.000	1.497	38.027	9.356	8.542	51.203	-6.811	0.603	8.619

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
847		0.900	1.597	33.886	8.338	7.612	51.207	-6.808	0.553	8.619
848		0.800	1.697	29.745	7.319	6.682	51.212	-6.804	0.503	8.619
849		0.700	1.797	25.604	6.300	5.752	51.219	-6.799	0.453	8.619
850		0.600	1.897	21.463	5.281	4.822	51.228	-6.792	0.403	8.619
851		0.500	1.997	17.322	4.262	3.891	51.242	-6.782	0.352	8.619
852		0.400	2.097	13.181	3.243	2.961	51.264	-6.766	0.302	8.619
853		0.300	2.197	9.040	2.224	2.031	51.307	-6.734	0.251	8.619
854		0.200	2.297	4.899	1.205	1.101	51.424	-6.648	0.198	8.619
855		0.100	2.397	1.134	0.279	0.255	51.911	-6.333	0.136	5.201
856		0.095	2.401	1.000	0.246	0.225	51.952	-6.305	0.133	4.831
857		0.000	2.497	0.000	0.000	0.000	52.801	-5.212	0.063	0.000
858	LASTRE 13	2.560	0.000	100.000	279.087	286.064	53.825	1.599	1.301	0.000
859		2.510	0.050	98.000	273.505	280.343	53.826	1.598	1.276	1863.400
860		2.507	0.053	97.900	273.226	280.057	53.826	1.598	1.275	1863.400
861		2.500	0.060	97.619	272.441	279.252	53.826	1.598	1.271	1863.400
862		2.400	0.160	93.645	261.351	267.885	53.828	1.597	1.221	1863.400
863		2.300	0.260	89.671	250.260	256.517	53.829	1.596	1.171	1863.400
864		2.200	0.360	85.697	239.170	245.149	53.831	1.594	1.121	1863.400
865		2.100	0.460	81.723	228.079	233.781	53.833	1.593	1.071	1863.400
866		2.000	0.560	77.750	216.989	222.414	53.835	1.591	1.021	1863.400
867		1.900	0.660	73.776	205.899	211.046	53.838	1.590	0.971	1863.400
868		1.800	0.760	69.802	194.808	199.678	53.840	1.588	0.921	1863.400
869		1.700	0.860	65.828	183.718	188.311	53.844	1.585	0.871	1863.400
870		1.600	0.960	61.854	172.627	176.943	53.847	1.583	0.821	1863.400
871		1.500	1.060	57.880	161.537	165.575	53.851	1.580	0.771	1863.400
872		1.400	1.160	53.907	150.446	154.207	53.855	1.576	0.721	1863.400
873		1.300	1.260	49.933	139.356	142.840	53.861	1.573	0.671	1863.400
874		1.200	1.360	45.959	128.265	131.472	53.867	1.568	0.621	1863.400
875		1.100	1.460	41.985	117.175	120.104	53.874	1.563	0.571	1863.400
876		1.000	1.560	38.011	106.084	108.736	53.883	1.556	0.521	1863.400
877		0.900	1.660	34.037	94.994	97.369	53.893	1.548	0.470	1863.400
878		0.800	1.760	30.064	83.903	86.001	53.907	1.538	0.420	1863.400
879		0.700	1.860	26.090	72.813	74.633	53.925	1.525	0.370	1863.400
880		0.600	1.960	22.116	61.722	63.265	53.949	1.507	0.320	1863.400
881		0.500	2.060	18.142	50.632	51.898	53.984	1.481	0.269	1863.400
882		0.400	2.160	14.168	39.541	40.530	54.039	1.440	0.219	1863.400
883		0.300	2.260	10.194	28.451	29.162	54.136	1.368	0.167	1863.400
884		0.200	2.360	6.228	17.381	17.816	54.351	1.213	0.115	1816.897
885		0.100	2.460	2.460	6.866	7.038	54.940	0.943	0.059	1416.850
886		0.053	2.507	1.000	2.791	2.861	55.558	0.744	0.032	1008.952
887		0.000	2.560	0.000	0.000	0.000	57.894	0.000	0.000	0.000
888	ESPACIO VACIO 19	2.540	0.000	100.000	89.171	91.400	53.971	10.844	1.484	0.000
889		2.538	0.002	99.900	89.081	91.308	53.971	10.844	1.483	120.706
890		2.439	0.100	95.000	84.712	86.830	53.979	10.825	1.430	119.396
891		2.339	0.201	90.000	80.254	82.260	53.987	10.805	1.376	117.805
892		2.237	0.302	85.000	75.795	77.690	53.996	10.783	1.321	115.927
893		2.135	0.404	80.000	71.336	73.120	54.006	10.760	1.265	113.673

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
894		2.033	0.507	75.000	66.878	68.550	54.016	10.735	1.209	111.133
895		1.929	0.610	70.000	62.419	63.980	54.028	10.707	1.153	108.357
896		1.825	0.715	65.000	57.961	59.410	54.041	10.678	1.096	105.227
897		1.719	0.820	60.000	53.502	54.840	54.056	10.645	1.037	101.807
898		1.613	0.927	55.000	49.044	50.270	54.073	10.610	0.978	98.054
899		1.504	1.035	50.000	44.585	45.700	54.093	10.571	0.918	93.921
900		1.394	1.145	45.000	40.127	41.130	54.116	10.527	0.857	89.403
901		1.282	1.257	40.000	35.668	36.560	54.143	10.479	0.794	84.427
902		1.168	1.372	35.000	31.210	31.990	54.177	10.424	0.730	78.875
903		1.050	1.490	30.000	26.751	27.420	54.219	10.360	0.663	72.527
904		0.928	1.611	25.000	22.293	22.850	54.273	10.287	0.594	65.280
905		0.801	1.738	20.000	17.834	18.280	54.347	10.200	0.521	56.892
906		0.666	1.873	15.000	13.376	13.710	54.455	10.093	0.443	47.438
907		0.520	2.020	10.000	8.917	9.140	54.639	9.956	0.357	36.800
908		0.352	2.187	5.000	4.459	4.570	55.056	9.755	0.256	24.146
909		0.056	2.484	0.100	0.089	0.091	57.159	9.074	0.060	0.961
910		0.000	2.540	0.000	0.000	0.000	58.012	8.463	0.020	0.000
911	ALMACEN ACEITE 1	2.293	0.000	100.000	31.512	28.991	41.344	-4.239	1.594	0.000
912		2.255	0.038	98.000	30.882	28.412	41.352	-4.239	1.574	4.287
913		2.253	0.040	97.900	30.851	28.383	41.352	-4.239	1.573	4.287
914		2.200	0.093	95.103	29.969	27.572	41.363	-4.239	1.546	4.287
915		2.100	0.193	89.842	28.311	26.046	41.385	-4.238	1.495	4.287
916		2.000	0.293	84.580	26.653	24.521	41.410	-4.238	1.444	4.287
917		1.900	0.393	79.319	24.995	22.996	41.438	-4.237	1.393	4.287
918		1.800	0.493	74.058	23.337	21.470	41.470	-4.237	1.341	4.287
919		1.700	0.593	68.796	21.679	19.945	41.507	-4.236	1.290	4.287
920		1.600	0.693	63.535	20.021	18.420	41.551	-4.235	1.238	4.287
921		1.500	0.793	58.273	18.363	16.894	41.602	-4.235	1.185	4.287
922		1.400	0.893	53.012	16.705	15.369	41.663	-4.234	1.133	4.287
923		1.300	0.993	47.751	15.047	13.844	41.737	-4.232	1.079	4.287
924		1.200	1.093	42.489	13.389	12.318	41.831	-4.231	1.025	4.287
925		1.100	1.193	37.228	11.731	10.793	41.950	-4.229	0.970	4.287
926		1.000	1.293	31.966	10.073	9.268	42.109	-4.226	0.913	4.287
927		0.900	1.393	26.706	8.416	7.742	42.330	-4.222	0.853	4.274
928		0.800	1.493	21.585	6.802	6.258	42.620	-4.219	0.790	3.968
929		0.700	1.593	16.888	5.322	4.896	42.933	-4.216	0.727	3.626
930		0.600	1.693	12.672	3.993	3.674	43.264	-4.211	0.663	3.185
931		0.500	1.793	8.977	2.829	2.602	43.614	-4.204	0.599	2.711
932		0.400	1.893	5.852	1.844	1.697	43.979	-4.194	0.535	2.361
933		0.300	1.993	3.315	1.045	0.961	44.380	-4.179	0.471	1.866
934		0.200	2.093	1.427	0.450	0.414	44.828	-4.142	0.406	1.182
935		0.170	2.123	1.000	0.315	0.290	44.981	-4.132	0.386	1.050
936		0.100	2.193	0.293	0.092	0.085	45.316	-4.035	0.339	0.609
937		0.000	2.293	0.000	0.000	0.000	45.805	-3.351	0.267	0.000
938	ALMACEN ACEITE 2	2.293	0.000	100.000	31.512	28.991	41.344	4.239	1.594	0.000
939		2.255	0.038	98.000	30.882	28.412	41.352	4.239	1.574	4.287
940		2.253	0.040	97.900	30.851	28.383	41.352	4.239	1.573	4.287

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m ³	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
941		2.200	0.093	95.103	29.969	27.572	41.363	4.239	1.546	4.287
942		2.100	0.193	89.842	28.311	26.046	41.385	4.238	1.495	4.287
943		2.000	0.293	84.580	26.653	24.521	41.410	4.238	1.444	4.287
944		1.900	0.393	79.319	24.995	22.996	41.438	4.237	1.393	4.287
945		1.800	0.493	74.058	23.337	21.470	41.470	4.237	1.341	4.287
946		1.700	0.593	68.796	21.679	19.945	41.507	4.236	1.290	4.287
947		1.600	0.693	63.535	20.021	18.420	41.551	4.235	1.238	4.287
948		1.500	0.793	58.273	18.363	16.894	41.602	4.235	1.185	4.287
949		1.400	0.893	53.012	16.705	15.369	41.663	4.234	1.133	4.287
950		1.300	0.993	47.751	15.047	13.844	41.737	4.232	1.079	4.287
951		1.200	1.093	42.489	13.389	12.318	41.831	4.231	1.025	4.287
952		1.100	1.193	37.228	11.731	10.793	41.950	4.229	0.970	4.287
953		1.000	1.293	31.966	10.073	9.268	42.109	4.226	0.913	4.287
954		0.900	1.393	26.706	8.416	7.742	42.330	4.222	0.853	4.274
955		0.800	1.493	21.585	6.802	6.258	42.620	4.219	0.790	3.968
956		0.700	1.593	16.888	5.322	4.896	42.933	4.216	0.727	3.626
957		0.600	1.693	12.672	3.993	3.674	43.264	4.211	0.663	3.185
958		0.500	1.793	8.977	2.829	2.602	43.614	4.204	0.599	2.711
959		0.400	1.893	5.852	1.844	1.697	43.979	4.194	0.535	2.361
960		0.300	1.993	3.315	1.045	0.961	44.380	4.179	0.471	1.866
961		0.200	2.093	1.427	0.450	0.414	44.828	4.142	0.406	1.182
962		0.170	2.123	1.000	0.315	0.290	44.981	4.132	0.386	1.050
963		0.100	2.193	0.293	0.092	0.085	45.316	4.035	0.339	0.609
964		0.000	2.293	0.000	0.000	0.000	45.805	3.351	0.267	0.000
965	AGUAS CILINDRICAS	2.369	0.000	100.000	10.139	10.139	44.579	0.000	1.405	0.000
966		2.323	0.046	98.000	9.936	9.936	44.579	0.000	1.381	3.699
967		2.320	0.049	97.900	9.926	9.926	44.579	0.000	1.380	3.699
968		2.300	0.069	97.020	9.837	9.837	44.579	0.000	1.370	3.699
969		2.200	0.169	92.692	9.398	9.398	44.579	0.000	1.320	3.699
970		2.100	0.269	88.364	8.959	8.959	44.580	0.000	1.270	3.699
971		2.000	0.369	84.036	8.521	8.521	44.580	0.000	1.220	3.699
972		1.900	0.469	79.709	8.082	8.082	44.580	0.000	1.170	3.699
973		1.800	0.569	75.381	7.643	7.643	44.580	0.000	1.120	3.699
974		1.700	0.669	71.053	7.204	7.204	44.581	0.000	1.070	3.699
975		1.600	0.769	66.725	6.765	6.765	44.581	0.000	1.020	3.699
976		1.500	0.869	62.397	6.327	6.327	44.582	0.000	0.970	3.699
977		1.400	0.969	58.069	5.888	5.888	44.582	0.000	0.920	3.699
978		1.300	1.069	53.742	5.449	5.449	44.583	0.000	0.870	3.699
979		1.200	1.169	49.414	5.010	5.010	44.583	0.000	0.820	3.699
980		1.100	1.269	45.086	4.571	4.571	44.584	0.000	0.770	3.699
981		1.000	1.369	40.758	4.133	4.133	44.585	0.000	0.720	3.699
982		0.900	1.469	36.430	3.694	3.694	44.586	0.000	0.670	3.699
983		0.800	1.569	32.102	3.255	3.255	44.588	0.000	0.620	3.699
984		0.700	1.669	27.775	2.816	2.816	44.590	0.000	0.570	3.699
985		0.600	1.769	23.447	2.377	2.377	44.592	0.000	0.520	3.699
986		0.500	1.869	19.119	1.938	1.938	44.596	0.000	0.469	3.699
987		0.400	1.969	14.791	1.500	1.500	44.603	0.000	0.419	3.699

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
988		0.300	2.069	10.463	1.061	1.061	44.614	0.000	0.369	3.699
989		0.200	2.169	6.135	0.622	0.622	44.641	0.000	0.318	3.699
990		0.100	2.269	1.836	0.186	0.186	44.787	0.000	0.262	3.114
991		0.077	2.292	1.000	0.101	0.101	44.888	0.000	0.247	2.204
992		0.000	2.369	0.000	0.000	0.000	45.312	0.000	0.191	0.000
993	ACEITE SUCIO	2.297	0.000	100.000	18.300	16.836	42.426	0.000	1.469	0.000
994		2.253	0.044	98.000	17.934	16.499	42.426	0.000	1.447	6.509
995		2.251	0.046	97.900	17.916	16.483	42.426	0.000	1.446	6.509
996		2.200	0.097	95.559	17.487	16.088	42.427	0.000	1.421	6.509
997		2.100	0.197	90.972	16.648	15.316	42.428	0.000	1.371	6.509
998		2.000	0.297	86.386	15.809	14.544	42.429	0.000	1.320	6.509
999		1.900	0.397	81.799	14.969	13.772	42.430	0.000	1.270	6.509
1000		1.800	0.497	77.213	14.130	13.000	42.432	0.000	1.220	6.509
1001		1.700	0.597	72.626	13.291	12.228	42.434	0.000	1.170	6.509
1002		1.600	0.697	68.040	12.451	11.455	42.436	0.000	1.120	6.509
1003		1.500	0.797	63.454	11.612	10.683	42.438	0.000	1.070	6.509
1004		1.400	0.897	58.867	10.773	9.911	42.440	0.000	1.020	6.509
1005		1.300	0.997	54.281	9.933	9.139	42.443	0.000	0.970	6.509
1006		1.200	1.097	49.694	9.094	8.367	42.447	0.000	0.920	6.509
1007		1.100	1.197	45.108	8.255	7.594	42.451	0.000	0.870	6.509
1008		1.000	1.297	40.521	7.416	6.822	42.456	0.000	0.819	6.509
1009		0.900	1.397	35.935	6.576	6.050	42.463	0.000	0.769	6.509
1010		0.800	1.497	31.349	5.737	5.278	42.471	0.000	0.719	6.509
1011		0.700	1.597	26.762	4.898	4.506	42.483	0.000	0.668	6.509
1012		0.600	1.697	22.176	4.058	3.734	42.499	0.000	0.618	6.509
1013		0.500	1.797	17.589	3.219	2.961	42.523	0.000	0.567	6.509
1014		0.400	1.897	13.003	2.380	2.189	42.565	0.000	0.515	6.509
1015		0.300	1.997	8.416	1.540	1.417	42.653	0.000	0.462	6.509
1016		0.200	2.097	3.902	0.714	0.657	42.916	0.000	0.402	5.488
1017		0.110	2.187	1.000	0.183	0.168	43.315	0.000	0.343	2.622
1018		0.100	2.197	0.792	0.145	0.133	43.360	0.000	0.336	2.324
1019		0.000	2.297	0.000	0.000	0.000	43.814	0.000	0.263	0.000
1020	ALMACEN ACEITE 3	2.113	0.000	100.000	16.383	15.073	39.591	0.000	1.579	0.000
1021		2.100	0.013	99.337	16.275	14.973	39.591	0.000	1.573	6.486
1022		2.074	0.039	98.000	16.056	14.771	39.591	0.000	1.559	6.486
1023		2.072	0.041	97.900	16.039	14.756	39.591	0.000	1.558	6.486
1024		2.000	0.113	94.232	15.438	14.203	39.592	0.000	1.522	6.486
1025		1.900	0.213	89.127	14.602	13.434	39.594	0.000	1.472	6.486
1026		1.800	0.313	84.021	13.765	12.664	39.596	0.000	1.422	6.486
1027		1.700	0.413	78.916	12.929	11.895	39.599	0.000	1.372	6.486
1028		1.600	0.513	73.811	12.093	11.125	39.601	0.000	1.322	6.486
1029		1.500	0.613	68.706	11.256	10.356	39.605	0.000	1.272	6.486
1030		1.400	0.713	63.601	10.420	9.586	39.608	0.000	1.222	6.486
1031		1.300	0.813	58.496	9.584	8.817	39.612	0.000	1.172	6.486
1032		1.200	0.913	53.391	8.747	8.047	39.617	0.000	1.121	6.486
1033		1.100	1.013	48.286	7.911	7.278	39.623	0.000	1.071	6.486
1034		1.000	1.113	43.181	7.074	6.508	39.631	0.000	1.021	6.486

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
1035		0.900	1.213	38.076	6.238	5.739	39.640	0.000	0.970	6.486
1036		0.800	1.313	32.971	5.402	4.970	39.653	0.000	0.920	6.486
1037		0.700	1.413	27.866	4.565	4.200	39.670	0.000	0.869	6.486
1038		0.600	1.513	22.760	3.729	3.431	39.694	0.000	0.817	6.486
1039		0.500	1.613	17.655	2.893	2.661	39.733	0.000	0.766	6.486
1040		0.400	1.713	12.550	2.056	1.892	39.804	0.000	0.712	6.486
1041		0.300	1.813	7.452	1.221	1.123	39.970	0.000	0.654	6.249
1042		0.200	1.913	3.070	0.503	0.463	40.300	0.000	0.588	3.970
1043		0.125	1.988	1.000	0.164	0.151	40.567	0.000	0.537	2.133
1044		0.100	2.013	0.571	0.093	0.086	40.649	0.000	0.520	1.487
1045		0.000	2.113	0.000	0.000	0.000	40.964	0.000	0.447	0.000
1046	AGUAS ACEITOSAS	1.862	0.000	100.000	14.036	12.913	36.760	0.000	1.721	0.000
1047		1.829	0.033	98.000	13.755	12.655	36.761	0.000	1.704	6.509
1048		1.827	0.035	97.900	13.741	12.642	36.761	0.000	1.703	6.509
1049		1.800	0.062	96.265	13.512	12.431	36.762	0.000	1.690	6.509
1050		1.700	0.162	90.285	12.672	11.659	36.765	0.000	1.640	6.509
1051		1.600	0.262	84.305	11.833	10.886	36.769	0.000	1.589	6.509
1052		1.500	0.362	78.325	10.994	10.114	36.773	0.000	1.539	6.509
1053		1.400	0.462	72.345	10.154	9.342	36.778	0.000	1.489	6.509
1054		1.300	0.562	66.366	9.315	8.570	36.783	0.000	1.438	6.509
1055		1.200	0.662	60.386	8.476	7.798	36.790	0.000	1.388	6.509
1056		1.100	0.762	54.406	7.636	7.025	36.798	0.000	1.338	6.509
1057		1.000	0.862	48.426	6.797	6.253	36.809	0.000	1.287	6.509
1058		0.900	0.962	42.446	5.958	5.481	36.822	0.000	1.236	6.509
1059		0.800	1.062	36.466	5.118	4.709	36.839	0.000	1.185	6.509
1060		0.700	1.162	30.487	4.279	3.937	36.864	0.000	1.134	6.509
1061		0.600	1.262	24.507	3.440	3.165	36.900	0.000	1.081	6.509
1062		0.500	1.362	18.527	2.600	2.392	36.960	0.000	1.028	6.509
1063		0.400	1.462	12.547	1.761	1.620	37.076	0.000	0.971	6.509
1064		0.300	1.562	6.886	0.967	0.889	37.317	0.000	0.906	5.056
1065		0.200	1.662	2.771	0.389	0.358	37.593	0.000	0.840	3.111
1066		0.132	1.730	1.000	0.140	0.129	37.787	0.000	0.794	1.686
1067		0.100	1.762	0.476	0.067	0.061	37.876	0.000	0.772	1.010
1068		0.000	1.862	0.000	0.000	0.000	38.124	0.000	0.698	0.000
1069	DERRAME BANDEJA F.O.	1.546	0.000	100.000	7.146	6.748	33.938	-0.997	1.899	0.000
1070		1.520	0.026	98.000	7.003	6.613	33.940	-0.997	1.886	1.842
1071		1.519	0.028	97.900	6.996	6.606	33.940	-0.997	1.886	1.842
1072		1.500	0.046	96.488	6.895	6.511	33.941	-0.997	1.876	1.842
1073		1.400	0.146	88.861	6.350	5.996	33.947	-0.995	1.826	1.842
1074		1.300	0.246	81.235	5.805	5.482	33.954	-0.994	1.775	1.842
1075		1.200	0.346	73.608	5.260	4.967	33.963	-0.992	1.725	1.842
1076		1.100	0.446	65.982	4.715	4.453	33.974	-0.990	1.674	1.842
1077		1.000	0.546	58.355	4.170	3.938	33.987	-0.988	1.623	1.842
1078		0.900	0.646	50.729	3.625	3.423	34.005	-0.984	1.572	1.842
1079		0.800	0.746	43.102	3.080	2.909	34.029	-0.980	1.520	1.842
1080		0.700	0.846	35.476	2.535	2.394	34.063	-0.973	1.467	1.842
1081		0.600	0.946	27.850	1.990	1.879	34.116	-0.963	1.413	1.842

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
1082		0.500	1.046	20.223	1.445	1.365	34.208	-0.946	1.357	1.842
1083		0.400	1.146	12.768	0.912	0.862	34.389	-0.916	1.294	1.664
1084		0.300	1.246	6.667	0.476	0.450	34.624	-0.879	1.227	1.229
1085		0.200	1.346	2.517	0.180	0.170	34.861	-0.800	1.159	0.746
1086		0.140	1.406	1.000	0.071	0.067	34.996	-0.684	1.117	0.415
1087		0.100	1.446	0.384	0.027	0.026	35.077	-0.524	1.088	0.191
1088		0.000	1.546	0.000	0.000	0.000	35.274	-0.001	1.014	0.000
1089	DERRAME BANDEJA ACEITE	1.546	0.000	100.000	7.146	6.574	33.938	0.997	1.899	0.000
1090		1.520	0.026	98.000	7.003	6.443	33.940	0.997	1.886	1.795
1091		1.519	0.028	97.900	6.996	6.436	33.940	0.997	1.886	1.795
1092		1.500	0.046	96.488	6.895	6.344	33.941	0.997	1.876	1.795
1093		1.400	0.146	88.861	6.350	5.842	33.947	0.995	1.826	1.795
1094		1.300	0.246	81.235	5.805	5.341	33.954	0.994	1.775	1.795
1095		1.200	0.346	73.608	5.260	4.839	33.963	0.992	1.725	1.795
1096		1.100	0.446	65.982	4.715	4.338	33.974	0.990	1.674	1.795
1097		1.000	0.546	58.355	4.170	3.837	33.987	0.988	1.623	1.795
1098		0.900	0.646	50.729	3.625	3.335	34.005	0.984	1.572	1.795
1099		0.800	0.746	43.102	3.080	2.834	34.029	0.980	1.520	1.795
1100		0.700	0.846	35.476	2.535	2.332	34.063	0.973	1.467	1.795
1101		0.600	0.946	27.850	1.990	1.831	34.116	0.963	1.413	1.795
1102		0.500	1.046	20.223	1.445	1.330	34.208	0.946	1.357	1.795
1103		0.400	1.146	12.768	0.912	0.839	34.389	0.916	1.294	1.621
1104		0.300	1.246	6.667	0.476	0.438	34.624	0.879	1.227	1.198
1105		0.200	1.346	2.517	0.180	0.165	34.861	0.800	1.159	0.727
1106		0.140	1.406	1.000	0.071	0.066	34.996	0.684	1.117	0.404
1107		0.100	1.446	0.384	0.027	0.025	35.077	0.524	1.088	0.186
1108		0.000	1.546	0.000	0.000	0.000	35.274	0.001	1.014	0.000
1109	ESPACIO VACIO 20	0.583	0.000	100.000	1.055	1.082	31.606	-9.245	2.397	0.000
1110		0.583	0.000	99.900	1.054	1.081	31.606	-9.245	2.397	1.888
1111		0.571	0.013	95.000	1.003	1.028	31.613	-9.231	2.389	1.789
1112		0.558	0.025	90.000	0.950	0.974	31.621	-9.216	2.380	1.687
1113		0.545	0.038	85.000	0.897	0.920	31.629	-9.201	2.371	1.587
1114		0.531	0.052	80.000	0.844	0.865	31.638	-9.185	2.362	1.488
1115		0.518	0.066	75.000	0.792	0.811	31.648	-9.169	2.353	1.390
1116		0.503	0.080	70.000	0.739	0.757	31.659	-9.152	2.344	1.294
1117		0.489	0.095	65.000	0.686	0.703	31.672	-9.134	2.334	1.197
1118		0.474	0.110	60.000	0.633	0.649	31.685	-9.116	2.323	1.103
1119		0.458	0.126	55.000	0.581	0.595	31.700	-9.097	2.312	1.007
1120		0.441	0.142	50.000	0.528	0.541	31.717	-9.077	2.301	0.914
1121		0.424	0.159	45.000	0.475	0.487	31.737	-9.056	2.289	0.819
1122		0.406	0.177	40.000	0.422	0.433	31.760	-9.034	2.276	0.723
1123		0.387	0.197	35.000	0.369	0.379	31.786	-9.010	2.262	0.628
1124		0.366	0.218	30.000	0.317	0.325	31.818	-8.986	2.247	0.534
1125		0.343	0.241	25.000	0.264	0.270	31.856	-8.959	2.230	0.440
1126		0.317	0.267	20.000	0.211	0.216	31.900	-8.929	2.211	0.342
1127		0.286	0.297	15.000	0.158	0.162	31.953	-8.892	2.189	0.247
1128		0.248	0.335	10.000	0.106	0.108	32.017	-8.843	2.161	0.153

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
1129		0.195	0.388	5.000	0.053	0.054	32.108	-8.772	2.122	0.065
1130		0.051	0.533	0.100	0.001	0.001	32.353	-8.549	2.014	0.000
1131		0.000	0.583	0.000	0.000	0.000	32.438	-8.460	1.977	0.000
1132	ESPACIO VACIO 21	1.169	0.000	100.000	26.268	26.925	31.455	0.000	2.155	0.000
1133		1.168	0.001	99.900	26.242	26.898	31.455	0.000	2.155	885.437
1134		1.131	0.038	95.000	24.955	25.579	31.459	0.000	2.135	885.437
1135		1.093	0.076	90.000	23.641	24.232	31.463	0.000	2.114	885.437
1136		1.055	0.115	85.000	22.328	22.886	31.468	0.000	2.094	885.437
1137		1.016	0.153	80.000	21.015	21.540	31.474	0.000	2.073	885.437
1138		0.978	0.191	75.000	19.701	20.194	31.480	0.000	2.052	885.437
1139		0.940	0.229	70.000	18.388	18.847	31.487	0.000	2.031	885.437
1140		0.902	0.267	65.000	17.074	17.501	31.496	0.000	2.009	885.167
1141		0.864	0.306	60.000	15.761	16.155	31.505	0.000	1.987	877.645
1142		0.825	0.344	55.000	14.448	14.809	31.516	0.000	1.964	858.559
1143		0.786	0.383	50.000	13.134	13.462	31.528	0.000	1.941	828.212
1144		0.747	0.422	45.000	11.821	12.116	31.542	0.000	1.917	785.695
1145		0.706	0.463	40.000	10.507	10.770	31.557	0.000	1.892	730.462
1146		0.665	0.504	35.000	9.194	9.424	31.574	0.000	1.865	662.337
1147		0.621	0.548	30.000	7.880	8.077	31.594	0.000	1.837	578.609
1148		0.575	0.594	25.000	6.567	6.731	31.619	0.000	1.807	479.632
1149		0.525	0.645	20.000	5.254	5.385	31.652	0.000	1.773	374.408
1150		0.468	0.701	15.000	3.940	4.039	31.698	0.000	1.735	268.702
1151		0.403	0.767	10.000	2.627	2.692	31.769	0.000	1.689	166.536
1152		0.315	0.854	5.000	1.313	1.346	31.900	0.000	1.626	72.233
1153		0.084	1.085	0.100	0.026	0.027	32.293	0.000	1.453	0.460
1154		0.000	1.169	0.000	0.000	0.000	32.438	0.000	1.391	0.000
1155	ESPACIO VACIO 22	0.583	0.000	100.000	1.055	1.082	31.606	9.245	2.397	0.000
1156		0.583	0.000	99.900	1.054	1.081	31.606	9.245	2.397	1.888
1157		0.571	0.013	95.000	1.003	1.028	31.613	9.231	2.389	1.789
1158		0.558	0.025	90.000	0.950	0.974	31.621	9.216	2.380	1.687
1159		0.545	0.038	85.000	0.897	0.920	31.629	9.201	2.371	1.587
1160		0.531	0.052	80.000	0.844	0.865	31.638	9.185	2.362	1.488
1161		0.518	0.066	75.000	0.792	0.811	31.648	9.169	2.353	1.390
1162		0.503	0.080	70.000	0.739	0.757	31.659	9.152	2.344	1.294
1163		0.489	0.095	65.000	0.686	0.703	31.672	9.134	2.334	1.197
1164		0.474	0.110	60.000	0.633	0.649	31.685	9.116	2.323	1.103
1165		0.458	0.126	55.000	0.581	0.595	31.700	9.097	2.312	1.007
1166		0.441	0.142	50.000	0.528	0.541	31.717	9.077	2.301	0.914
1167		0.424	0.159	45.000	0.475	0.487	31.737	9.056	2.289	0.819
1168		0.406	0.177	40.000	0.422	0.433	31.760	9.034	2.276	0.723
1169		0.387	0.197	35.000	0.369	0.379	31.786	9.010	2.262	0.628
1170		0.366	0.218	30.000	0.317	0.325	31.818	8.986	2.247	0.534
1171		0.343	0.241	25.000	0.264	0.270	31.856	8.959	2.230	0.440
1172		0.317	0.267	20.000	0.211	0.216	31.900	8.929	2.211	0.342
1173		0.286	0.297	15.000	0.158	0.162	31.953	8.892	2.189	0.247
1174		0.248	0.335	10.000	0.106	0.108	32.017	8.843	2.161	0.153
1175		0.195	0.388	5.000	0.053	0.054	32.108	8.772	2.122	0.065

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
1176		0.051	0.533	0.100	0.001	0.001	32.353	8.549	2.014	0.000
1177		0.000	0.583	0.000	0.000	0.000	32.438	8.460	1.977	0.000
1178	ESPACIO VACIO 23	0.260	0.000	100.000	0.125	0.129	29.864	-8.880	2.493	0.000
1179		0.260	0.000	99.900	0.125	0.128	29.864	-8.880	2.493	0.202
1180		0.255	0.005	95.000	0.119	0.122	29.872	-8.874	2.489	0.190
1181		0.251	0.009	90.000	0.113	0.116	29.880	-8.867	2.486	0.178
1182		0.246	0.014	85.000	0.107	0.109	29.888	-8.861	2.482	0.165
1183		0.240	0.020	80.000	0.100	0.103	29.897	-8.853	2.478	0.155
1184		0.235	0.025	75.000	0.094	0.096	29.906	-8.846	2.474	0.144
1185		0.230	0.031	70.000	0.088	0.090	29.915	-8.838	2.470	0.134
1186		0.224	0.036	65.000	0.082	0.084	29.925	-8.830	2.466	0.123
1187		0.218	0.043	60.000	0.075	0.077	29.936	-8.822	2.461	0.112
1188		0.211	0.049	55.000	0.069	0.071	29.947	-8.813	2.457	0.100
1189		0.204	0.056	50.000	0.063	0.064	29.958	-8.802	2.451	0.088
1190		0.197	0.063	45.000	0.056	0.058	29.970	-8.792	2.446	0.078
1191		0.189	0.071	40.000	0.050	0.051	29.983	-8.780	2.440	0.068
1192		0.180	0.080	35.000	0.044	0.045	29.998	-8.768	2.434	0.058
1193		0.171	0.089	30.000	0.038	0.039	30.014	-8.754	2.427	0.047
1194		0.160	0.100	25.000	0.031	0.032	30.031	-8.738	2.419	0.037
1195		0.148	0.112	20.000	0.025	0.026	30.051	-8.720	2.410	0.028
1196		0.134	0.126	15.000	0.019	0.019	30.076	-8.699	2.400	0.020
1197		0.117	0.143	10.000	0.013	0.013	30.104	-8.672	2.387	0.012
1198		0.092	0.168	5.000	0.006	0.006	30.147	-8.632	2.368	0.005
1199		0.024	0.236	0.100	0.000	0.000	30.262	-8.509	2.317	0.000
1200		0.000	0.260	0.000	0.000	0.000	30.298	-8.460	2.300	0.000
1201	ESPACIO VACIO 24	0.858	0.000	100.000	14.832	15.203	29.384	0.000	2.301	0.000
1202		0.858	0.000	99.900	14.817	15.188	29.384	0.000	2.300	861.962
1203		0.837	0.022	95.000	14.090	14.443	29.391	0.000	2.288	848.551
1204		0.815	0.044	90.000	13.349	13.683	29.398	0.000	2.274	830.554
1205		0.792	0.066	85.000	12.607	12.922	29.406	0.000	2.261	808.223
1206		0.770	0.089	80.000	11.866	12.162	29.414	0.000	2.247	782.808
1207		0.747	0.111	75.000	11.124	11.402	29.423	0.000	2.233	752.067
1208		0.724	0.135	70.000	10.382	10.642	29.432	0.000	2.218	718.611
1209		0.700	0.158	65.000	9.641	9.882	29.442	0.000	2.203	679.396
1210		0.676	0.182	60.000	8.899	9.122	29.453	0.000	2.187	637.480
1211		0.651	0.207	55.000	8.158	8.362	29.465	0.000	2.171	590.211
1212		0.626	0.233	50.000	7.416	7.601	29.478	0.000	2.154	538.083
1213		0.599	0.260	45.000	6.674	6.841	29.493	0.000	2.137	480.996
1214		0.571	0.288	40.000	5.933	6.081	29.510	0.000	2.118	420.332
1215		0.541	0.317	35.000	5.191	5.321	29.530	0.000	2.098	360.023
1216		0.510	0.349	30.000	4.450	4.561	29.555	0.000	2.076	300.459
1217		0.476	0.383	25.000	3.708	3.801	29.585	0.000	2.053	241.597
1218		0.438	0.420	20.000	2.966	3.041	29.624	0.000	2.026	184.838
1219		0.395	0.463	15.000	2.225	2.280	29.678	0.000	1.996	130.736
1220		0.343	0.515	10.000	1.483	1.520	29.754	0.000	1.957	80.204
1221		0.271	0.588	5.000	0.742	0.760	29.868	0.000	1.904	34.219
1222		0.073	0.786	0.100	0.015	0.015	30.175	0.000	1.756	0.182

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
1223		0.000	0.858	0.000	0.000	0.000	30.298	0.000	1.702	0.000
1224	ESPACIO VACIO 25	0.260	0.000	100.000	0.125	0.129	29.864	8.880	2.493	0.000
1225		0.260	0.000	99.900	0.125	0.128	29.864	8.880	2.493	0.202
1226		0.255	0.005	95.000	0.119	0.122	29.872	8.874	2.489	0.190
1227		0.251	0.009	90.000	0.113	0.116	29.880	8.867	2.486	0.178
1228		0.246	0.014	85.000	0.107	0.109	29.888	8.861	2.482	0.165
1229		0.240	0.020	80.000	0.100	0.103	29.897	8.853	2.478	0.155
1230		0.235	0.025	75.000	0.094	0.096	29.906	8.846	2.474	0.144
1231		0.230	0.031	70.000	0.088	0.090	29.915	8.838	2.470	0.134
1232		0.224	0.036	65.000	0.082	0.084	29.925	8.830	2.466	0.123
1233		0.218	0.043	60.000	0.075	0.077	29.936	8.822	2.461	0.112
1234		0.211	0.049	55.000	0.069	0.071	29.947	8.813	2.457	0.100
1235		0.204	0.056	50.000	0.063	0.064	29.958	8.802	2.451	0.088
1236		0.197	0.063	45.000	0.056	0.058	29.970	8.792	2.446	0.078
1237		0.189	0.071	40.000	0.050	0.051	29.983	8.780	2.440	0.068
1238		0.180	0.080	35.000	0.044	0.045	29.998	8.768	2.434	0.058
1239		0.171	0.089	30.000	0.038	0.039	30.014	8.754	2.427	0.047
1240		0.160	0.100	25.000	0.031	0.032	30.031	8.738	2.419	0.037
1241		0.148	0.112	20.000	0.025	0.026	30.051	8.720	2.410	0.028
1242		0.134	0.126	15.000	0.019	0.019	30.076	8.699	2.400	0.020
1243		0.117	0.143	10.000	0.013	0.013	30.104	8.672	2.387	0.012
1244		0.092	0.168	5.000	0.006	0.006	30.147	8.632	2.368	0.005
1245		0.024	0.236	0.100	0.000	0.000	30.262	8.509	2.317	0.000
1246		0.000	0.260	0.000	0.000	0.000	30.298	8.460	2.300	0.000
1247	ESPACIO VACIO 27	0.534	0.000	100.000	5.378	5.512	27.154	0.000	2.421	0.000
1248		0.534	0.000	99.900	5.372	5.507	27.154	0.000	2.421	351.189
1249		0.524	0.010	95.000	5.109	5.236	27.168	0.000	2.414	331.081
1250		0.514	0.020	90.000	4.840	4.961	27.183	0.000	2.407	310.409
1251		0.504	0.030	85.000	4.571	4.685	27.200	0.000	2.399	290.026
1252		0.494	0.040	80.000	4.302	4.410	27.218	0.000	2.391	269.824
1253		0.483	0.051	75.000	4.033	4.134	27.237	0.000	2.383	249.950
1254		0.471	0.063	70.000	3.764	3.858	27.257	0.000	2.375	230.472
1255		0.459	0.075	65.000	3.495	3.583	27.280	0.000	2.366	211.065
1256		0.447	0.087	60.000	3.227	3.307	27.305	0.000	2.356	192.205
1257		0.434	0.100	55.000	2.958	3.032	27.332	0.000	2.346	173.646
1258		0.420	0.114	50.000	2.689	2.756	27.362	0.000	2.335	155.320
1259		0.405	0.129	45.000	2.420	2.480	27.395	0.000	2.324	137.379
1260		0.389	0.145	40.000	2.151	2.205	27.431	0.000	2.311	119.895
1261		0.371	0.163	35.000	1.882	1.929	27.470	0.000	2.298	102.471
1262		0.352	0.182	30.000	1.613	1.654	27.511	0.000	2.283	85.533
1263		0.330	0.204	25.000	1.344	1.378	27.554	0.000	2.266	68.560
1264		0.303	0.231	20.000	1.076	1.102	27.589	0.000	2.247	51.606
1265		0.271	0.263	15.000	0.807	0.827	27.603	0.000	2.225	34.626
1266		0.232	0.302	10.000	0.538	0.551	27.624	0.000	2.198	19.601
1267		0.182	0.352	5.000	0.269	0.276	27.672	0.000	2.162	7.376
1268		0.041	0.493	0.100	0.005	0.006	28.020	0.000	2.053	0.032
1269		0.000	0.534	0.000	0.000	0.000	28.020	0.000	2.026	0.000

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
1270	ESPACIO VACIO 29	2.811	0.000	100.000	8.059	8.260	145.770	-4.237	5.413	0.000
1271		2.810	0.001	99.900	8.051	8.252	145.769	-4.236	5.412	2.986
1272		2.768	0.043	95.000	7.656	7.847	145.739	-4.224	5.378	2.721
1273		2.722	0.089	90.000	7.253	7.434	145.707	-4.211	5.343	2.467
1274		2.675	0.136	85.000	6.850	7.021	145.673	-4.198	5.305	2.242
1275		2.626	0.185	80.000	6.447	6.608	145.638	-4.185	5.266	2.029
1276		2.575	0.236	75.000	6.044	6.195	145.601	-4.171	5.225	1.819
1277		2.520	0.291	70.000	5.641	5.782	145.562	-4.156	5.182	1.614
1278		2.463	0.348	65.000	5.238	5.369	145.522	-4.141	5.137	1.420
1279		2.402	0.409	60.000	4.835	4.956	145.480	-4.126	5.089	1.233
1280		2.337	0.474	55.000	4.432	4.543	145.436	-4.110	5.038	1.053
1281		2.267	0.544	50.000	4.029	4.130	145.388	-4.093	4.984	0.885
1282		2.192	0.619	45.000	3.626	3.717	145.336	-4.076	4.926	0.749
1283		2.111	0.700	40.000	3.224	3.304	145.278	-4.058	4.862	0.620
1284		2.022	0.789	35.000	2.821	2.891	145.216	-4.038	4.793	0.494
1285		1.923	0.888	30.000	2.418	2.478	145.150	-4.017	4.717	0.377
1286		1.810	1.001	25.000	2.015	2.065	145.073	-3.995	4.631	0.279
1287		1.681	1.130	20.000	1.612	1.652	144.980	-3.970	4.532	0.198
1288		1.525	1.286	15.000	1.209	1.239	144.872	-3.942	4.414	0.123
1289		1.328	1.483	10.000	0.806	0.826	144.728	-3.910	4.267	0.068
1290		1.046	1.765	5.000	0.403	0.413	144.514	-3.866	4.057	0.024
1291		0.268	2.543	0.100	0.008	0.008	143.807	-3.757	3.477	0.000
1292		0.000	2.811	0.000	0.000	0.000	143.509	-3.720	3.279	0.000
1293	ESPACIO VACIO 30	3.530	0.000	100.000	95.967	98.367	149.824	0.000	4.411	0.000
1294		3.527	0.003	99.900	95.871	98.268	149.824	0.000	4.409	150.207
1295		3.371	0.159	95.000	91.169	93.448	149.822	0.000	4.327	150.035
1296		3.212	0.318	90.000	86.371	88.530	149.820	0.000	4.242	148.729
1297		3.052	0.478	85.000	81.572	83.612	149.818	0.000	4.157	146.691
1298		2.891	0.639	80.000	76.774	78.693	149.816	0.000	4.071	143.784
1299		2.729	0.801	75.000	71.976	73.775	149.815	0.000	3.984	140.144
1300		2.565	0.965	70.000	67.177	68.857	149.814	0.000	3.897	136.640
1301		2.400	1.130	65.000	62.379	63.938	149.814	0.000	3.809	132.520
1302		2.233	1.297	60.000	57.580	59.020	149.814	0.000	3.720	128.503
1303		2.064	1.466	55.000	52.782	54.102	149.815	0.000	3.630	123.827
1304		1.893	1.637	50.000	47.984	49.183	149.816	0.000	3.539	118.848
1305		1.719	1.811	45.000	43.185	44.265	149.817	0.000	3.447	113.277
1306		1.543	1.987	40.000	38.387	39.347	149.818	0.000	3.354	107.890
1307		1.363	2.167	35.000	33.589	34.428	149.819	0.000	3.260	102.468
1308		1.181	2.349	30.000	28.790	29.510	149.820	0.000	3.165	97.059
1309		0.995	2.535	25.000	23.992	24.592	149.821	0.000	3.068	91.689
1310		0.805	2.725	20.000	19.193	19.673	149.822	0.000	2.970	86.151
1311		0.612	2.918	15.000	14.395	14.755	149.822	0.000	2.870	80.688
1312		0.413	3.117	10.000	9.597	9.837	149.822	0.000	2.769	74.814
1313		0.210	3.320	5.000	4.798	4.918	149.822	0.000	2.666	68.887
1314		0.004	3.526	0.100	0.096	0.098	149.822	0.000	2.562	62.342
1315		0.000	3.530	0.000	0.000	0.000	149.822	0.000	2.560	0.000
1316	ESPACIO VACIO 31	2.811	0.000	100.000	8.059	8.260	145.770	4.237	5.413	0.000

Academic Version

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1317		2.810	0.001	99.900	8.051	8.252	145.769	4.236	5.412	2.986
1318		2.768	0.043	95.000	7.656	7.847	145.739	4.224	5.378	2.721
1319		2.722	0.089	90.000	7.253	7.434	145.707	4.211	5.343	2.467
1320		2.675	0.136	85.000	6.850	7.021	145.673	4.198	5.305	2.242
1321		2.626	0.185	80.000	6.447	6.608	145.638	4.185	5.266	2.029
1322		2.575	0.236	75.000	6.044	6.195	145.601	4.171	5.225	1.819
1323		2.520	0.291	70.000	5.641	5.782	145.562	4.156	5.182	1.614
1324		2.463	0.348	65.000	5.238	5.369	145.522	4.141	5.137	1.420
1325		2.402	0.409	60.000	4.835	4.956	145.480	4.126	5.089	1.233
1326		2.337	0.474	55.000	4.432	4.543	145.436	4.110	5.038	1.053
1327		2.267	0.544	50.000	4.029	4.130	145.388	4.093	4.984	0.885
1328		2.192	0.619	45.000	3.626	3.717	145.336	4.076	4.926	0.749
1329		2.111	0.700	40.000	3.224	3.304	145.278	4.058	4.862	0.620
1330		2.022	0.789	35.000	2.821	2.891	145.216	4.038	4.793	0.494
1331		1.923	0.888	30.000	2.418	2.478	145.150	4.017	4.717	0.377
1332		1.810	1.001	25.000	2.015	2.065	145.073	3.995	4.631	0.279
1333		1.681	1.130	20.000	1.612	1.652	144.980	3.970	4.532	0.198
1334		1.525	1.286	15.000	1.209	1.239	144.872	3.942	4.414	0.123
1335		1.328	1.483	10.000	0.806	0.826	144.728	3.910	4.267	0.068
1336		1.046	1.765	5.000	0.403	0.413	144.514	3.866	4.057	0.024
1337		0.268	2.543	0.100	0.008	0.008	143.807	3.757	3.477	0.000
1338		0.000	2.811	0.000	0.000	0.000	143.509	3.720	3.279	0.000
1339	AGUA DULCE 1	3.530	0.000	100.000	103.453	103.453	145.579	0.000	4.364	0.000
1340		3.461	0.069	98.000	101.384	101.384	145.579	0.000	4.329	146.543
1341		3.458	0.072	97.900	101.280	101.280	145.579	0.000	4.327	146.543
1342		3.400	0.130	96.207	99.529	99.529	145.578	0.000	4.298	146.543
1343		3.200	0.330	90.373	93.493	93.493	145.577	0.000	4.197	146.543
1344		3.000	0.530	84.538	87.457	87.457	145.576	0.000	4.096	146.543
1345		2.800	0.730	78.704	81.421	81.421	145.575	0.000	3.995	146.543
1346		2.600	0.930	72.869	75.385	75.385	145.573	0.000	3.894	146.543
1347		2.400	1.130	67.034	69.349	69.349	145.571	0.000	3.793	146.543
1348		2.200	1.330	61.200	63.313	63.313	145.569	0.000	3.691	146.543
1349		2.000	1.530	55.365	57.277	57.277	145.566	0.000	3.589	146.543
1350		1.800	1.730	49.531	51.241	51.241	145.562	0.000	3.486	146.447
1351		1.600	1.930	43.704	45.213	45.213	145.558	0.000	3.383	145.194
1352		1.400	2.130	37.904	39.213	39.213	145.554	0.000	3.279	142.544
1353		1.200	2.330	32.154	33.264	33.264	145.551	0.000	3.175	138.153
1354		1.000	2.530	26.477	27.392	27.392	145.549	0.000	3.071	132.150
1355		0.800	2.730	20.902	21.623	21.623	145.548	0.000	2.968	124.298
1356		0.600	2.930	15.457	15.990	15.990	145.549	0.000	2.864	114.969
1357		0.400	3.130	10.156	10.507	10.507	145.549	0.000	2.762	105.884
1358		0.200	3.330	5.003	5.175	5.175	145.549	0.000	2.661	97.035
1359		0.040	3.490	1.000	1.035	1.035	145.549	0.000	2.580	90.279
1360		0.000	3.530	0.000	0.000	0.000	145.549	0.000	2.560	0.000
1361	ESPACIO VACIO 32	3.530	0.000	100.000	109.928	112.676	130.096	-5.146	4.644	0.000
1362		3.528	0.002	99.900	109.818	112.564	130.096	-5.145	4.642	211.682
1363		3.420	0.110	95.000	104.432	107.043	130.093	-5.093	4.570	194.826

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
1364		3.306	0.224	90.000	98.935	101.409	130.090	-5.038	4.495	178.062
1365		3.188	0.342	85.000	93.439	95.775	130.087	-4.983	4.418	161.912
1366		3.067	0.463	80.000	87.943	90.141	130.084	-4.927	4.339	146.337
1367		2.941	0.589	75.000	82.446	84.507	130.080	-4.871	4.257	131.395
1368		2.810	0.720	70.000	76.950	78.873	130.077	-4.815	4.173	117.243
1369		2.674	0.856	65.000	71.453	73.240	130.074	-4.758	4.086	103.955
1370		2.532	0.998	60.000	65.957	67.606	130.070	-4.701	3.996	91.599
1371		2.384	1.146	55.000	60.461	61.972	130.067	-4.643	3.903	80.021
1372		2.228	1.302	50.000	54.964	56.338	130.063	-4.586	3.807	69.349
1373		2.065	1.465	45.000	49.468	50.704	130.059	-4.528	3.707	59.726
1374		1.892	1.638	40.000	43.971	45.071	130.055	-4.470	3.603	50.893
1375		1.710	1.820	35.000	38.475	39.437	130.050	-4.411	3.495	42.985
1376		1.516	2.014	30.000	32.978	33.803	130.045	-4.353	3.381	35.942
1377		1.310	2.220	25.000	27.482	28.169	130.039	-4.294	3.263	29.703
1378		1.089	2.441	20.000	21.986	22.535	130.033	-4.234	3.138	24.180
1379		0.852	2.678	15.000	16.489	16.901	130.027	-4.174	3.007	19.340
1380		0.595	2.935	10.000	10.993	11.268	130.019	-4.112	2.868	15.116
1381		0.313	3.217	5.000	5.496	5.634	130.010	-4.049	2.719	11.459
1382		0.007	3.523	0.100	0.110	0.113	130.000	-3.984	2.563	8.338
1383		0.000	3.530	0.000	0.000	0.000	129.999	-3.982	2.560	0.000
1384	ESPACIO VACIO 33	3.530	0.000	100.000	109.928	112.676	130.096	5.146	4.644	0.000
1385		3.528	0.002	99.900	109.818	112.564	130.096	5.145	4.642	211.682
1386		3.420	0.110	95.000	104.432	107.043	130.093	5.093	4.570	194.826
1387		3.306	0.224	90.000	98.935	101.409	130.090	5.038	4.495	178.062
1388		3.188	0.342	85.000	93.439	95.775	130.087	4.983	4.418	161.912
1389		3.067	0.463	80.000	87.943	90.141	130.084	4.927	4.339	146.337
1390		2.941	0.589	75.000	82.446	84.507	130.080	4.871	4.257	131.395
1391		2.810	0.720	70.000	76.950	78.873	130.077	4.815	4.173	117.243
1392		2.674	0.856	65.000	71.453	73.240	130.074	4.758	4.086	103.955
1393		2.532	0.998	60.000	65.957	67.606	130.070	4.701	3.996	91.599
1394		2.384	1.146	55.000	60.461	61.972	130.067	4.643	3.903	80.021
1395		2.228	1.302	50.000	54.964	56.338	130.063	4.586	3.807	69.349
1396		2.065	1.465	45.000	49.468	50.704	130.059	4.528	3.707	59.726
1397		1.892	1.638	40.000	43.971	45.071	130.055	4.470	3.603	50.893
1398		1.710	1.820	35.000	38.475	39.437	130.050	4.411	3.495	42.985
1399		1.516	2.014	30.000	32.978	33.803	130.045	4.353	3.381	35.942
1400		1.310	2.220	25.000	27.482	28.169	130.039	4.294	3.263	29.703
1401		1.089	2.441	20.000	21.986	22.535	130.033	4.234	3.138	24.180
1402		0.852	2.678	15.000	16.489	16.901	130.027	4.174	3.007	19.340
1403		0.595	2.935	10.000	10.993	11.268	130.019	4.112	2.868	15.116
1404		0.313	3.217	5.000	5.496	5.634	130.010	4.049	2.719	11.459
1405		0.007	3.523	0.100	0.110	0.113	130.000	3.984	2.563	8.338
1406		0.000	3.530	0.000	0.000	0.000	129.999	3.982	2.560	0.000
1407	ESPACIO VACIO 34	3.530	0.000	100.000	116.095	118.998	121.762	-7.132	4.711	0.000
1408		3.528	0.002	99.900	115.979	118.879	121.762	-7.130	4.710	241.269
1409		3.424	0.106	95.000	110.291	113.048	121.755	-7.077	4.641	226.472
1410		3.316	0.214	90.000	104.486	107.098	121.747	-7.020	4.570	211.327

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
1411		3.204	0.326	85.000	98.681	101.148	121.739	-6.962	4.496	196.022
1412		3.090	0.440	80.000	92.876	95.198	121.731	-6.902	4.421	180.570
1413		2.972	0.558	75.000	87.072	89.248	121.722	-6.840	4.343	165.155
1414		2.850	0.680	70.000	81.267	83.298	121.713	-6.776	4.262	149.852
1415		2.723	0.807	65.000	75.462	77.349	121.704	-6.710	4.179	134.635
1416		2.591	0.939	60.000	69.657	71.399	121.695	-6.642	4.092	119.467
1417		2.453	1.077	55.000	63.852	65.449	121.686	-6.572	4.002	104.731
1418		2.309	1.221	50.000	58.048	59.499	121.676	-6.501	3.908	90.453
1419		2.156	1.374	45.000	52.243	53.549	121.665	-6.428	3.810	76.955
1420		1.994	1.536	40.000	46.438	47.599	121.653	-6.353	3.706	64.481
1421		1.821	1.709	35.000	40.633	41.649	121.641	-6.277	3.597	53.082
1422		1.635	1.895	30.000	34.829	35.699	121.626	-6.200	3.482	42.804
1423		1.434	2.096	25.000	29.024	29.749	121.610	-6.120	3.359	33.777
1424		1.214	2.316	20.000	23.219	23.800	121.590	-6.038	3.228	25.852
1425		0.970	2.560	15.000	17.414	17.850	121.567	-5.954	3.086	19.114
1426		0.697	2.833	10.000	11.610	11.900	121.537	-5.866	2.930	13.454
1427		0.381	3.149	5.000	5.805	5.950	121.499	-5.771	2.758	8.725
1428		0.009	3.521	0.100	0.116	0.119	121.446	-5.671	2.564	4.961
1429		0.000	3.530	0.000	0.000	0.000	121.444	-5.668	2.560	0.000
1430	ESPACIO VACIO 35	3.530	0.000	100.000	116.095	118.998	121.762	7.132	4.711	0.000
1431		3.528	0.002	99.900	115.979	118.879	121.762	7.130	4.710	241.269
1432		3.424	0.106	95.000	110.291	113.048	121.755	7.077	4.641	226.472
1433		3.316	0.214	90.000	104.486	107.098	121.747	7.020	4.570	211.326
1434		3.204	0.326	85.000	98.681	101.148	121.739	6.962	4.496	196.022
1435		3.090	0.440	80.000	92.876	95.198	121.731	6.902	4.421	180.570
1436		2.972	0.558	75.000	87.072	89.248	121.722	6.840	4.343	165.155
1437		2.850	0.680	70.000	81.267	83.298	121.713	6.776	4.262	149.852
1438		2.723	0.807	65.000	75.462	77.349	121.704	6.710	4.179	134.635
1439		2.591	0.939	60.000	69.657	71.399	121.695	6.642	4.092	119.467
1440		2.453	1.077	55.000	63.852	65.449	121.686	6.572	4.002	104.731
1441		2.309	1.221	50.000	58.048	59.499	121.676	6.501	3.908	90.453
1442		2.156	1.374	45.000	52.243	53.549	121.665	6.428	3.810	76.955
1443		1.994	1.536	40.000	46.438	47.599	121.653	6.353	3.706	64.481
1444		1.821	1.709	35.000	40.633	41.649	121.641	6.277	3.597	53.082
1445		1.635	1.895	30.000	34.829	35.699	121.626	6.200	3.482	42.804
1446		1.434	2.096	25.000	29.024	29.749	121.610	6.120	3.359	33.777
1447		1.214	2.316	20.000	23.219	23.800	121.590	6.038	3.228	25.852
1448		0.970	2.560	15.000	17.414	17.850	121.567	5.954	3.086	19.114
1449		0.697	2.833	10.000	11.610	11.900	121.537	5.866	2.930	13.454
1450		0.381	3.149	5.000	5.805	5.950	121.499	5.771	2.758	8.725
1451		0.009	3.521	0.100	0.116	0.119	121.446	5.671	2.564	4.961
1452		0.000	3.530	0.000	0.000	0.000	121.444	5.668	2.560	0.000
1453	ESPACIO VACIO 36	3.530	0.000	100.000	109.957	112.706	113.228	-9.189	4.734	0.000
1454		3.528	0.002	99.900	109.847	112.593	113.228	-9.188	4.733	178.942
1455		3.420	0.110	95.000	104.459	107.070	113.217	-9.145	4.666	171.309
1456		3.309	0.221	90.000	98.961	101.435	113.206	-9.099	4.596	163.106
1457		3.195	0.335	85.000	93.463	95.800	113.194	-9.051	4.524	154.462

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
1458		3.079	0.451	80.000	87.965	90.165	113.181	-9.001	4.451	145.530
1459		2.961	0.569	75.000	82.468	84.529	113.167	-8.948	4.375	136.389
1460		2.839	0.691	70.000	76.970	78.894	113.152	-8.892	4.298	126.982
1461		2.715	0.815	65.000	71.472	73.259	113.136	-8.833	4.218	117.235
1462		2.586	0.944	60.000	65.974	67.623	113.119	-8.771	4.135	107.243
1463		2.453	1.077	55.000	60.476	61.988	113.100	-8.706	4.049	97.187
1464		2.315	1.215	50.000	54.978	56.353	113.080	-8.636	3.960	86.983
1465		2.170	1.360	45.000	49.481	50.718	113.058	-8.563	3.866	76.599
1466		2.018	1.512	40.000	43.983	45.082	113.034	-8.484	3.768	66.174
1467		1.857	1.673	35.000	38.485	39.447	113.008	-8.401	3.663	55.764
1468		1.684	1.846	30.000	32.987	33.812	112.980	-8.313	3.552	45.522
1469		1.496	2.034	25.000	27.489	28.176	112.947	-8.220	3.432	35.722
1470		1.289	2.241	20.000	21.991	22.541	112.908	-8.120	3.301	26.756
1471		1.055	2.475	15.000	16.494	16.906	112.859	-8.015	3.157	18.813
1472		0.784	2.746	10.000	10.996	11.271	112.795	-7.900	2.993	12.064
1473		0.453	3.077	5.000	5.498	5.635	112.698	-7.775	2.802	6.626
1474		0.011	3.519	0.100	0.110	0.113	112.517	-7.633	2.566	2.604
1475		0.000	3.530	0.000	0.000	0.000	112.511	-7.630	2.560	0.000
1476	ESPACIO VACIO 37	3.530	0.000	100.000	109.957	112.706	113.228	9.189	4.734	0.000
1477		3.528	0.002	99.900	109.847	112.593	113.228	9.188	4.733	178.942
1478		3.420	0.110	95.000	104.459	107.070	113.217	9.145	4.666	171.309
1479		3.309	0.221	90.000	98.961	101.435	113.206	9.099	4.596	163.106
1480		3.195	0.335	85.000	93.463	95.800	113.194	9.051	4.524	154.462
1481		3.079	0.451	80.000	87.965	90.165	113.181	9.001	4.451	145.530
1482		2.961	0.569	75.000	82.468	84.529	113.167	8.948	4.375	136.389
1483		2.839	0.691	70.000	76.970	78.894	113.152	8.892	4.298	126.982
1484		2.715	0.815	65.000	71.472	73.259	113.136	8.833	4.218	117.235
1485		2.586	0.944	60.000	65.974	67.623	113.119	8.771	4.135	107.243
1486		2.453	1.077	55.000	60.476	61.988	113.100	8.706	4.049	97.187
1487		2.315	1.215	50.000	54.978	56.353	113.080	8.636	3.960	86.983
1488		2.170	1.360	45.000	49.481	50.718	113.058	8.563	3.866	76.599
1489		2.018	1.512	40.000	43.983	45.082	113.034	8.484	3.768	66.174
1490		1.857	1.673	35.000	38.485	39.447	113.008	8.401	3.663	55.764
1491		1.684	1.846	30.000	32.987	33.812	112.980	8.313	3.552	45.522
1492		1.496	2.034	25.000	27.489	28.176	112.947	8.220	3.432	35.722
1493		1.289	2.241	20.000	21.991	22.541	112.908	8.120	3.301	26.756
1494		1.055	2.475	15.000	16.494	16.906	112.859	8.015	3.157	18.813
1495		0.784	2.746	10.000	10.996	11.271	112.795	7.900	2.993	12.064
1496		0.453	3.077	5.000	5.498	5.635	112.698	7.775	2.802	6.626
1497		0.011	3.519	0.100	0.110	0.113	112.517	7.633	2.566	2.604
1498		0.000	3.530	0.000	0.000	0.000	112.511	7.630	2.560	0.000
1499	ESPACIO VACIO 38	3.530	0.000	100.000	125.766	128.910	104.811	-10.382	4.597	0.000
1500		3.527	0.003	99.900	125.640	128.781	104.810	-10.382	4.596	150.929
1501		3.398	0.132	95.000	119.477	122.464	104.801	-10.353	4.522	148.168
1502		3.266	0.264	90.000	113.189	116.019	104.792	-10.321	4.446	144.865
1503		3.132	0.398	85.000	106.901	109.573	104.782	-10.286	4.369	141.004
1504		2.997	0.533	80.000	100.612	103.128	104.771	-10.250	4.291	136.334

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
1505		2.860	0.670	75.000	94.324	96.682	104.760	-10.211	4.211	131.088
1506		2.721	0.809	70.000	88.036	90.237	104.748	-10.169	4.129	125.348
1507		2.579	0.951	65.000	81.748	83.791	104.734	-10.124	4.046	119.039
1508		2.435	1.095	60.000	75.459	77.346	104.720	-10.076	3.961	112.223
1509		2.288	1.242	55.000	69.171	70.900	104.705	-10.025	3.874	104.914
1510		2.137	1.393	50.000	62.883	64.455	104.689	-9.969	3.784	97.092
1511		1.981	1.549	45.000	56.595	58.009	104.670	-9.910	3.691	88.903
1512		1.820	1.710	40.000	50.306	51.564	104.650	-9.846	3.595	80.328
1513		1.652	1.878	35.000	44.018	45.118	104.628	-9.776	3.495	71.282
1514		1.476	2.054	30.000	37.730	38.673	104.602	-9.700	3.390	61.995
1515		1.289	2.241	25.000	31.441	32.227	104.574	-9.618	3.279	52.331
1516		1.089	2.441	20.000	25.153	25.782	104.543	-9.528	3.161	42.571
1517		0.871	2.659	15.000	18.865	19.336	104.508	-9.430	3.034	32.853
1518		0.627	2.903	10.000	12.577	12.891	104.466	-9.322	2.895	23.636
1519		0.345	3.185	5.000	6.288	6.445	104.414	-9.203	2.739	15.330
1520		0.008	3.522	0.100	0.126	0.129	104.341	-9.073	2.564	8.429
1521		0.000	3.530	0.000	0.000	0.000	104.340	-9.070	2.560	0.000
1522	ESPACIO VACIO 39	3.530	0.000	100.000	125.766	128.910	104.811	10.382	4.597	0.000
1523		3.527	0.003	99.900	125.640	128.781	104.810	10.382	4.596	150.929
1524		3.398	0.132	95.000	119.477	122.464	104.801	10.353	4.522	148.168
1525		3.266	0.264	90.000	113.189	116.019	104.792	10.321	4.446	144.865
1526		3.132	0.398	85.000	106.901	109.573	104.782	10.286	4.369	141.004
1527		2.997	0.533	80.000	100.612	103.128	104.771	10.250	4.291	136.334
1528		2.860	0.670	75.000	94.324	96.682	104.760	10.211	4.211	131.088
1529		2.721	0.809	70.000	88.036	90.237	104.748	10.169	4.129	125.348
1530		2.579	0.951	65.000	81.748	83.791	104.734	10.124	4.046	119.039
1531		2.435	1.095	60.000	75.459	77.346	104.720	10.076	3.961	112.222
1532		2.288	1.242	55.000	69.171	70.900	104.705	10.025	3.874	104.914
1533		2.137	1.393	50.000	62.883	64.455	104.689	9.969	3.784	97.092
1534		1.981	1.549	45.000	56.595	58.009	104.670	9.910	3.691	88.903
1535		1.820	1.710	40.000	50.306	51.564	104.650	9.846	3.595	80.328
1536		1.652	1.878	35.000	44.018	45.118	104.628	9.776	3.495	71.282
1537		1.476	2.054	30.000	37.730	38.673	104.602	9.700	3.390	61.995
1538		1.289	2.241	25.000	31.441	32.227	104.574	9.618	3.279	52.331
1539		1.089	2.441	20.000	25.153	25.782	104.543	9.528	3.161	42.571
1540		0.871	2.659	15.000	18.865	19.336	104.508	9.430	3.034	32.853
1541		0.627	2.903	10.000	12.577	12.891	104.466	9.322	2.895	23.636
1542		0.345	3.185	5.000	6.288	6.445	104.414	9.203	2.739	15.330
1543		0.008	3.522	0.100	0.126	0.129	104.341	9.073	2.564	8.429
1544		0.000	3.530	0.000	0.000	0.000	104.340	9.070	2.560	0.000
1545	ESPACIO VACIO 40	3.530	0.000	100.000	142.960	146.534	96.393	-11.001	4.445	0.000
1546		3.527	0.003	99.900	142.817	146.388	96.393	-11.001	4.444	124.850
1547		3.371	0.159	95.000	135.812	139.208	96.388	-10.989	4.363	124.850
1548		3.213	0.317	90.000	128.664	131.881	96.382	-10.975	4.280	124.850
1549		3.054	0.476	85.000	121.516	124.554	96.375	-10.960	4.197	124.850
1550		2.896	0.634	80.000	114.368	117.227	96.368	-10.943	4.114	124.683
1551		2.737	0.793	75.000	107.220	109.901	96.360	-10.923	4.029	124.155

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
1552		2.578	0.952	70.000	100.072	102.574	96.351	-10.902	3.945	123.206
1553		2.418	1.112	65.000	92.924	95.247	96.341	-10.878	3.859	121.623
1554		2.258	1.272	60.000	85.776	87.921	96.331	-10.850	3.772	119.428
1555		2.096	1.434	55.000	78.628	80.594	96.321	-10.820	3.685	116.497
1556		1.933	1.597	50.000	71.480	73.267	96.310	-10.787	3.596	112.574
1557		1.767	1.763	45.000	64.332	65.940	96.299	-10.750	3.505	107.659
1558		1.598	1.932	40.000	57.184	58.614	96.287	-10.710	3.413	101.842
1559		1.426	2.104	35.000	50.036	51.287	96.274	-10.665	3.319	95.254
1560		1.249	2.281	30.000	42.888	43.960	96.259	-10.617	3.222	88.049
1561		1.067	2.463	25.000	35.740	36.634	96.243	-10.563	3.123	80.166
1562		0.878	2.652	20.000	28.592	29.307	96.225	-10.504	3.020	71.658
1563		0.680	2.850	15.000	21.444	21.980	96.204	-10.439	2.914	62.478
1564		0.471	3.059	10.000	14.296	14.653	96.182	-10.366	2.802	52.703
1565		0.246	3.284	5.000	7.148	7.327	96.157	-10.286	2.685	42.542
1566		0.005	3.525	0.100	0.143	0.147	96.130	-10.198	2.563	32.590
1567		0.000	3.530	0.000	0.000	0.000	96.129	-10.196	2.560	0.000
1568	ESPACIO VACIO 41	3.530	0.000	100.000	142.960	146.534	96.393	11.001	4.445	0.000
1569		3.527	0.003	99.900	142.817	146.388	96.393	11.001	4.444	124.850
1570		3.371	0.159	95.000	135.812	139.208	96.388	10.989	4.363	124.850
1571		3.213	0.317	90.000	128.664	131.881	96.382	10.975	4.280	124.850
1572		3.054	0.476	85.000	121.516	124.554	96.375	10.960	4.197	124.850
1573		2.896	0.634	80.000	114.368	117.227	96.368	10.943	4.114	124.683
1574		2.737	0.793	75.000	107.220	109.901	96.360	10.923	4.029	124.155
1575		2.578	0.952	70.000	100.072	102.574	96.351	10.902	3.945	123.206
1576		2.418	1.112	65.000	92.924	95.247	96.341	10.878	3.859	121.623
1577		2.258	1.272	60.000	85.776	87.921	96.331	10.850	3.772	119.428
1578		2.096	1.434	55.000	78.628	80.594	96.321	10.820	3.685	116.497
1579		1.933	1.597	50.000	71.480	73.267	96.310	10.787	3.596	112.574
1580		1.767	1.763	45.000	64.332	65.940	96.299	10.750	3.505	107.659
1581		1.598	1.932	40.000	57.184	58.614	96.287	10.710	3.413	101.842
1582		1.426	2.104	35.000	50.036	51.287	96.274	10.665	3.319	95.254
1583		1.249	2.281	30.000	42.888	43.960	96.259	10.617	3.222	88.049
1584		1.067	2.463	25.000	35.740	36.634	96.243	10.563	3.123	80.166
1585		0.878	2.652	20.000	28.592	29.307	96.225	10.504	3.020	71.658
1586		0.680	2.850	15.000	21.444	21.980	96.204	10.439	2.914	62.478
1587		0.471	3.059	10.000	14.296	14.653	96.182	10.366	2.802	52.703
1588		0.246	3.284	5.000	7.148	7.327	96.157	10.286	2.685	42.542
1589		0.005	3.525	0.100	0.143	0.147	96.130	10.198	2.563	32.590
1590		0.000	3.530	0.000	0.000	0.000	96.129	10.196	2.560	0.000
1591	ESPACIO VACIO 42	3.530	0.000	100.000	158.734	162.702	79.407	-11.231	4.327	0.000
1592		3.526	0.004	99.900	158.575	162.540	79.407	-11.231	4.325	124.704
1593		3.354	0.176	95.000	150.797	154.567	79.406	-11.231	4.239	124.704
1594		3.177	0.353	90.000	142.861	146.432	79.406	-11.231	4.151	124.704
1595		3.001	0.529	85.000	134.924	138.297	79.406	-11.231	4.063	124.704
1596		2.825	0.705	80.000	126.987	130.162	79.406	-11.230	3.975	124.704
1597		2.649	0.881	75.000	119.051	122.027	79.405	-11.230	3.886	124.704
1598		2.472	1.058	70.000	111.114	113.892	79.405	-11.230	3.798	124.704

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
1599		2.296	1.234	65.000	103.177	105.757	79.405	-11.229	3.710	124.704
1600		2.120	1.410	60.000	95.240	97.621	79.404	-11.229	3.622	124.704
1601		1.944	1.586	55.000	87.304	89.486	79.404	-11.228	3.534	124.704
1602		1.767	1.763	50.000	79.367	81.351	79.403	-11.228	3.446	124.704
1603		1.591	1.939	45.000	71.430	73.216	79.402	-11.227	3.357	124.704
1604		1.415	2.115	40.000	63.494	65.081	79.401	-11.226	3.269	124.704
1605		1.239	2.291	35.000	55.557	56.946	79.400	-11.225	3.181	124.704
1606		1.062	2.468	30.000	47.620	48.811	79.398	-11.223	3.093	124.704
1607		0.886	2.644	25.000	39.684	40.676	79.396	-11.221	3.004	124.704
1608		0.710	2.820	20.000	31.747	32.540	79.393	-11.217	2.916	124.701
1609		0.533	2.997	15.000	23.810	24.405	79.387	-11.211	2.828	124.232
1610		0.357	3.173	10.000	15.873	16.270	79.381	-11.203	2.739	123.004
1611		0.179	3.351	5.000	7.937	8.135	79.373	-11.192	2.650	120.758
1612		0.004	3.526	0.100	0.159	0.163	79.366	-11.179	2.562	117.431
1613		0.000	3.530	0.000	0.000	0.000	79.365	-11.178	2.560	0.000
1614	ESPACIO VACIO 43	3.530	0.000	100.000	158.734	162.702	79.407	11.231	4.327	0.000
1615		3.526	0.004	99.900	158.575	162.540	79.407	11.231	4.325	124.704
1616		3.354	0.176	95.000	150.797	154.567	79.406	11.231	4.239	124.704
1617		3.177	0.353	90.000	142.861	146.432	79.406	11.231	4.151	124.704
1618		3.001	0.529	85.000	134.924	138.297	79.406	11.231	4.063	124.704
1619		2.825	0.705	80.000	126.987	130.162	79.406	11.230	3.975	124.704
1620		2.649	0.881	75.000	119.051	122.027	79.405	11.230	3.886	124.704
1621		2.472	1.058	70.000	111.114	113.892	79.405	11.230	3.798	124.704
1622		2.296	1.234	65.000	103.177	105.757	79.405	11.229	3.710	124.704
1623		2.120	1.410	60.000	95.240	97.621	79.404	11.229	3.622	124.704
1624		1.944	1.586	55.000	87.304	89.486	79.404	11.228	3.534	124.704
1625		1.767	1.763	50.000	79.367	81.351	79.403	11.228	3.446	124.704
1626		1.591	1.939	45.000	71.430	73.216	79.402	11.227	3.357	124.704
1627		1.415	2.115	40.000	63.494	65.081	79.401	11.226	3.269	124.704
1628		1.239	2.291	35.000	55.557	56.946	79.400	11.225	3.181	124.704
1629		1.062	2.468	30.000	47.620	48.811	79.398	11.223	3.093	124.704
1630		0.886	2.644	25.000	39.684	40.676	79.396	11.221	3.004	124.704
1631		0.710	2.820	20.000	31.747	32.540	79.393	11.217	2.916	124.701
1632		0.533	2.997	15.000	23.810	24.405	79.387	11.211	2.828	124.232
1633		0.357	3.173	10.000	15.873	16.270	79.381	11.203	2.739	123.004
1634		0.179	3.351	5.000	7.937	8.135	79.373	11.192	2.650	120.758
1635		0.004	3.526	0.100	0.159	0.163	79.366	11.179	2.562	117.431
1636		0.000	3.530	0.000	0.000	0.000	79.365	11.178	2.560	0.000
1637	ESPACIO VACIO 44	3.530	0.000	100.000	158.946	162.920	70.870	-11.235	4.325	0.000
1638		3.526	0.004	99.900	158.787	162.757	70.870	-11.235	4.323	124.704
1639		3.354	0.177	95.000	150.999	154.774	70.870	-11.235	4.237	124.704
1640		3.177	0.353	90.000	143.051	146.628	70.870	-11.235	4.149	124.704
1641		3.001	0.530	85.000	135.104	138.482	70.870	-11.235	4.060	124.704
1642		2.824	0.706	80.000	127.157	130.336	70.870	-11.235	3.972	124.704
1643		2.648	0.883	75.000	119.209	122.190	70.870	-11.235	3.884	124.704
1644		2.471	1.059	70.000	111.262	114.044	70.870	-11.235	3.796	124.704
1645		2.295	1.236	65.000	103.315	105.898	70.870	-11.235	3.707	124.704

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
1646		2.118	1.412	60.000	95.368	97.752	70.870	-11.235	3.619	124.704
1647		1.942	1.589	55.000	87.420	89.606	70.870	-11.235	3.531	124.704
1648		1.765	1.765	50.000	79.473	81.460	70.870	-11.235	3.442	124.704
1649		1.589	1.942	45.000	71.526	73.314	70.870	-11.235	3.354	124.704
1650		1.412	2.118	40.000	63.578	65.168	70.870	-11.235	3.266	124.704
1651		1.236	2.295	35.000	55.631	57.022	70.870	-11.235	3.178	124.704
1652		1.059	2.471	30.000	47.684	48.876	70.870	-11.235	3.089	124.704
1653		0.883	2.648	25.000	39.736	40.730	70.870	-11.235	3.001	124.704
1654		0.706	2.824	20.000	31.789	32.584	70.870	-11.235	2.913	124.704
1655		0.530	3.001	15.000	23.842	24.438	70.870	-11.235	2.825	124.704
1656		0.353	3.177	10.000	15.895	16.292	70.870	-11.235	2.736	124.704
1657		0.177	3.354	5.000	7.947	8.146	70.870	-11.235	2.648	124.704
1658		0.004	3.526	0.100	0.159	0.163	70.870	-11.235	2.562	124.704
1659		0.000	3.530	0.000	0.000	0.000	70.870	-11.235	2.560	0.000
1660	ESPACIO VACIO 45	3.530	0.000	100.000	158.946	162.920	70.870	11.235	4.325	0.000
1661		3.526	0.004	99.900	158.787	162.757	70.870	11.235	4.323	124.704
1662		3.354	0.177	95.000	150.999	154.774	70.870	11.235	4.237	124.704
1663		3.177	0.353	90.000	143.051	146.628	70.870	11.235	4.149	124.704
1664		3.001	0.530	85.000	135.104	138.482	70.870	11.235	4.060	124.704
1665		2.824	0.706	80.000	127.157	130.336	70.870	11.235	3.972	124.704
1666		2.648	0.883	75.000	119.209	122.190	70.870	11.235	3.884	124.704
1667		2.471	1.059	70.000	111.262	114.044	70.870	11.235	3.796	124.704
1668		2.295	1.236	65.000	103.315	105.898	70.870	11.235	3.707	124.704
1669		2.118	1.412	60.000	95.368	97.752	70.870	11.235	3.619	124.704
1670		1.942	1.589	55.000	87.420	89.606	70.870	11.235	3.531	124.704
1671		1.765	1.765	50.000	79.473	81.460	70.870	11.235	3.442	124.704
1672		1.589	1.942	45.000	71.526	73.314	70.870	11.235	3.354	124.704
1673		1.412	2.118	40.000	63.578	65.168	70.870	11.235	3.266	124.704
1674		1.236	2.295	35.000	55.631	57.022	70.870	11.235	3.178	124.704
1675		1.059	2.471	30.000	47.684	48.876	70.870	11.235	3.089	124.704
1676		0.883	2.648	25.000	39.736	40.730	70.870	11.235	3.001	124.704
1677		0.706	2.824	20.000	31.789	32.584	70.870	11.235	2.913	124.704
1678		0.530	3.001	15.000	23.842	24.438	70.870	11.235	2.825	124.704
1679		0.353	3.177	10.000	15.895	16.292	70.870	11.235	2.736	124.704
1680		0.177	3.354	5.000	7.947	8.146	70.870	11.235	2.648	124.704
1681		0.004	3.526	0.100	0.159	0.163	70.870	11.235	2.562	124.704
1682		0.000	3.530	0.000	0.000	0.000	70.870	11.235	2.560	0.000
1683	ESPACIO VACIO 46	3.530	0.000	100.000	23.684	24.277	65.855	-10.830	4.325	0.000
1684		3.526	0.004	99.900	23.661	24.252	65.855	-10.830	4.323	13.554
1685		3.354	0.177	95.000	22.500	23.063	65.855	-10.830	4.237	13.554
1686		3.177	0.353	90.000	21.316	21.849	65.855	-10.830	4.149	13.554
1687		3.001	0.530	85.000	20.132	20.635	65.855	-10.830	4.060	13.554
1688		2.824	0.706	80.000	18.948	19.421	65.855	-10.830	3.972	13.554
1689		2.648	0.883	75.000	17.763	18.207	65.855	-10.830	3.884	13.554
1690		2.471	1.059	70.000	16.579	16.994	65.855	-10.830	3.796	13.554
1691		2.295	1.236	65.000	15.395	15.780	65.855	-10.830	3.707	13.554
1692		2.118	1.412	60.000	14.211	14.566	65.855	-10.830	3.619	13.554

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m ³	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
1693		1.942	1.589	55.000	13.026	13.352	65.855	-10.830	3.531	13.554
1694		1.765	1.765	50.000	11.842	12.138	65.855	-10.830	3.442	13.554
1695		1.589	1.942	45.000	10.658	10.924	65.855	-10.830	3.354	13.554
1696		1.412	2.118	40.000	9.474	9.711	65.855	-10.830	3.266	13.554
1697		1.236	2.295	35.000	8.290	8.497	65.855	-10.830	3.178	13.554
1698		1.059	2.471	30.000	7.105	7.283	65.855	-10.830	3.089	13.554
1699		0.883	2.648	25.000	5.921	6.069	65.855	-10.830	3.001	13.554
1700		0.706	2.824	20.000	4.737	4.855	65.855	-10.830	2.913	13.554
1701		0.530	3.001	15.000	3.553	3.641	65.855	-10.830	2.825	13.554
1702		0.353	3.177	10.000	2.368	2.428	65.855	-10.830	2.736	13.554
1703		0.177	3.354	5.000	1.184	1.214	65.855	-10.830	2.648	13.554
1704		0.004	3.526	0.100	0.024	0.024	65.855	-10.830	2.562	13.554
1705		0.000	3.530	0.000	0.000	0.000	65.855	-10.830	2.560	0.000
1706	ESPACIO VACIO 47	3.530	0.000	100.000	23.198	23.777	62.330	-13.605	4.325	0.000
1707		3.526	0.004	99.900	23.174	23.754	62.330	-13.605	4.323	0.388
1708		3.354	0.177	95.000	22.038	22.589	62.330	-13.605	4.237	0.388
1709		3.177	0.353	90.000	20.878	21.400	62.330	-13.605	4.149	0.388
1710		3.001	0.530	85.000	19.718	20.211	62.330	-13.605	4.060	0.388
1711		2.824	0.706	80.000	18.558	19.022	62.330	-13.605	3.972	0.388
1712		2.648	0.883	75.000	17.398	17.833	62.330	-13.605	3.884	0.388
1713		2.471	1.059	70.000	16.238	16.644	62.330	-13.605	3.796	0.388
1714		2.295	1.236	65.000	15.078	15.455	62.330	-13.605	3.707	0.388
1715		2.118	1.412	60.000	13.919	14.266	62.330	-13.605	3.619	0.388
1716		1.942	1.589	55.000	12.759	13.078	62.330	-13.605	3.531	0.388
1717		1.765	1.765	50.000	11.599	11.889	62.330	-13.605	3.442	0.388
1718		1.589	1.942	45.000	10.439	10.700	62.330	-13.605	3.354	0.388
1719		1.412	2.118	40.000	9.279	9.511	62.330	-13.605	3.266	0.388
1720		1.236	2.295	35.000	8.119	8.322	62.330	-13.605	3.178	0.388
1721		1.059	2.471	30.000	6.959	7.133	62.330	-13.605	3.089	0.388
1722		0.883	2.648	25.000	5.799	5.944	62.330	-13.605	3.001	0.388
1723		0.706	2.824	20.000	4.640	4.755	62.330	-13.605	2.913	0.388
1724		0.530	3.001	15.000	3.480	3.567	62.330	-13.605	2.825	0.388
1725		0.353	3.177	10.000	2.320	2.378	62.330	-13.605	2.736	0.388
1726		0.177	3.354	5.000	1.160	1.189	62.330	-13.605	2.648	0.388
1727		0.004	3.526	0.100	0.023	0.024	62.330	-13.605	2.562	0.388
1728		0.000	3.530	0.000	0.000	0.000	62.330	-13.605	2.560	0.000
1729	ESPACIO VACIO 48	3.530	0.000	100.000	23.081	23.659	53.805	-13.603	4.333	0.000
1730		3.526	0.004	99.900	23.058	23.635	53.805	-13.603	4.331	0.388
1731		3.354	0.176	95.000	21.927	22.476	53.806	-13.603	4.245	0.388
1732		3.179	0.351	90.000	20.773	21.293	53.806	-13.603	4.157	0.388
1733		3.003	0.527	85.000	19.619	20.110	53.807	-13.603	4.069	0.388
1734		2.828	0.702	80.000	18.465	18.927	53.809	-13.603	3.982	0.388
1735		2.652	0.878	75.000	17.311	17.744	53.810	-13.603	3.894	0.388
1736		2.476	1.054	70.000	16.157	16.561	53.811	-13.602	3.806	0.388
1737		2.301	1.229	65.000	15.003	15.378	53.813	-13.602	3.718	0.388
1738		2.125	1.405	60.000	13.849	14.195	53.815	-13.602	3.630	0.388
1739		1.949	1.581	55.000	12.695	13.012	53.817	-13.602	3.542	0.388

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
1740		1.774	1.756	50.000	11.541	11.829	53.820	-13.601	3.454	0.388
1741		1.598	1.932	45.000	10.387	10.646	53.823	-13.601	3.366	0.388
1742		1.423	2.107	40.000	9.233	9.463	53.827	-13.601	3.278	0.388
1743		1.247	2.283	35.000	8.079	8.280	53.832	-13.600	3.190	0.388
1744		1.071	2.459	30.000	6.924	7.098	53.839	-13.599	3.102	0.388
1745		0.896	2.634	25.000	5.770	5.915	53.849	-13.598	3.013	0.388
1746		0.720	2.810	20.000	4.616	4.732	53.864	-13.596	2.925	0.388
1747		0.544	2.986	15.000	3.462	3.549	53.887	-13.593	2.835	0.383
1748		0.367	3.163	10.000	2.308	2.366	53.917	-13.589	2.745	0.370
1749		0.186	3.344	5.000	1.154	1.183	53.955	-13.584	2.654	0.350
1750		0.004	3.526	0.100	0.023	0.024	53.999	-13.578	2.562	0.322
1751		0.000	3.530	0.000	0.000	0.000	54.000	-13.578	2.560	0.000
1752	ESPACIO VACIO 49	3.530	0.000	100.000	14.306	14.664	49.970	-10.830	4.325	0.000
1753		3.526	0.004	99.900	14.292	14.649	49.970	-10.830	4.323	8.187
1754		3.354	0.177	95.000	13.591	13.930	49.970	-10.830	4.237	8.187
1755		3.177	0.353	90.000	12.875	13.197	49.970	-10.830	4.149	8.187
1756		3.001	0.530	85.000	12.160	12.464	49.970	-10.830	4.060	8.187
1757		2.824	0.706	80.000	11.445	11.731	49.970	-10.830	3.972	8.187
1758		2.648	0.883	75.000	10.729	10.998	49.970	-10.830	3.884	8.187
1759		2.471	1.059	70.000	10.014	10.265	49.970	-10.830	3.796	8.187
1760		2.295	1.236	65.000	9.299	9.531	49.970	-10.830	3.707	8.187
1761		2.118	1.412	60.000	8.584	8.798	49.970	-10.830	3.619	8.187
1762		1.942	1.589	55.000	7.868	8.065	49.970	-10.830	3.531	8.187
1763		1.765	1.765	50.000	7.153	7.332	49.970	-10.830	3.442	8.187
1764		1.589	1.942	45.000	6.438	6.599	49.970	-10.830	3.354	8.187
1765		1.412	2.118	40.000	5.722	5.865	49.970	-10.830	3.266	8.187
1766		1.236	2.295	35.000	5.007	5.132	49.970	-10.830	3.178	8.187
1767		1.059	2.471	30.000	4.292	4.399	49.970	-10.830	3.089	8.187
1768		0.883	2.648	25.000	3.576	3.666	49.970	-10.830	3.001	8.187
1769		0.706	2.824	20.000	2.861	2.933	49.970	-10.830	2.913	8.187
1770		0.530	3.001	15.000	2.146	2.200	49.970	-10.830	2.825	8.187
1771		0.353	3.177	10.000	1.431	1.466	49.970	-10.830	2.736	8.187
1772		0.177	3.354	5.000	0.715	0.733	49.970	-10.830	2.648	8.187
1773		0.004	3.526	0.100	0.014	0.015	49.970	-10.830	2.562	8.187
1774		0.000	3.530	0.000	0.000	0.000	49.970	-10.830	2.560	0.000
1775	ALMACEN F.O. 1	3.530	0.000	100.000	112.064	105.822	61.585	-10.830	4.325	0.000
1776		3.459	0.071	98.000	109.823	103.705	61.585	-10.830	4.290	59.082
1777		3.456	0.074	97.900	109.711	103.600	61.585	-10.830	4.288	59.082
1778		3.400	0.130	96.317	107.937	101.925	61.585	-10.830	4.260	59.082
1779		3.200	0.330	90.652	101.588	95.929	61.585	-10.830	4.160	59.082
1780		3.000	0.530	84.986	95.238	89.934	61.585	-10.830	4.060	59.082
1781		2.800	0.730	79.320	88.889	83.938	61.585	-10.830	3.960	59.082
1782		2.600	0.930	73.654	82.540	77.942	61.585	-10.830	3.860	59.082
1783		2.400	1.130	67.989	76.191	71.947	61.585	-10.830	3.760	59.082
1784		2.200	1.330	62.323	69.842	65.951	61.585	-10.830	3.660	59.082
1785		2.000	1.530	56.657	63.492	59.956	61.585	-10.830	3.560	59.082
1786		1.800	1.730	50.991	57.143	53.960	61.585	-10.830	3.460	59.082

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
1787		1.600	1.930	45.326	50.794	47.965	61.585	-10.830	3.360	59.082
1788		1.400	2.130	39.660	44.445	41.969	61.585	-10.830	3.260	59.082
1789		1.200	2.330	33.994	38.095	35.973	61.585	-10.830	3.160	59.082
1790		1.000	2.530	28.329	31.746	29.978	61.585	-10.830	3.060	59.082
1791		0.800	2.730	22.663	25.397	23.982	61.585	-10.830	2.960	59.082
1792		0.600	2.930	16.997	19.048	17.987	61.585	-10.830	2.860	59.082
1793		0.400	3.130	11.331	12.698	11.991	61.585	-10.830	2.760	59.082
1794		0.200	3.330	5.666	6.349	5.996	61.585	-10.830	2.660	59.082
1795		0.035	3.495	1.000	1.121	1.058	61.585	-10.830	2.578	59.082
1796		0.000	3.530	0.000	0.000	0.000	61.585	-10.830	2.560	0.000
1797	DECANTACION F.O. 1	3.530	0.000	100.000	121.442	114.678	54.240	-10.830	4.325	0.000
1798		3.459	0.071	98.000	119.014	112.384	54.240	-10.830	4.290	64.026
1799		3.456	0.074	97.900	118.892	112.270	54.240	-10.830	4.288	64.026
1800		3.400	0.130	96.317	116.970	110.455	54.240	-10.830	4.260	64.026
1801		3.200	0.330	90.652	110.089	103.957	54.240	-10.830	4.160	64.026
1802		3.000	0.530	84.986	103.209	97.460	54.240	-10.830	4.060	64.026
1803		2.800	0.730	79.320	96.328	90.963	54.240	-10.830	3.960	64.026
1804		2.600	0.930	73.654	89.448	84.465	54.240	-10.830	3.860	64.026
1805		2.400	1.130	67.989	82.567	77.968	54.240	-10.830	3.760	64.026
1806		2.200	1.330	62.323	75.686	71.471	54.240	-10.830	3.660	64.026
1807		2.000	1.530	56.657	68.806	64.973	54.240	-10.830	3.560	64.026
1808		1.800	1.730	50.991	61.925	58.476	54.240	-10.830	3.460	64.026
1809		1.600	1.930	45.326	55.045	51.979	54.240	-10.830	3.360	64.026
1810		1.400	2.130	39.660	48.164	45.481	54.240	-10.830	3.260	64.026
1811		1.200	2.330	33.994	41.284	38.984	54.240	-10.830	3.160	64.026
1812		1.000	2.530	28.329	34.403	32.487	54.240	-10.830	3.060	64.026
1813		0.800	2.730	22.663	27.522	25.989	54.240	-10.830	2.960	64.026
1814		0.600	2.930	16.997	20.642	19.492	54.240	-10.830	2.860	64.026
1815		0.400	3.130	11.331	13.761	12.995	54.240	-10.830	2.760	64.026
1816		0.200	3.330	5.666	6.881	6.497	54.240	-10.830	2.660	64.026
1817		0.035	3.495	1.000	1.214	1.147	54.240	-10.830	2.578	64.026
1818		0.000	3.530	0.000	0.000	0.000	54.240	-10.830	2.560	0.000
1819	ESPACIO VACIO 50	3.530	0.000	100.000	23.684	24.277	65.855	10.830	4.325	0.000
1820		3.526	0.004	99.900	23.661	24.252	65.855	10.830	4.323	13.554
1821		3.354	0.177	95.000	22.500	23.063	65.855	10.830	4.237	13.554
1822		3.177	0.353	90.000	21.316	21.849	65.855	10.830	4.149	13.554
1823		3.001	0.530	85.000	20.132	20.635	65.855	10.830	4.060	13.554
1824		2.824	0.706	80.000	18.948	19.421	65.855	10.830	3.972	13.554
1825		2.648	0.883	75.000	17.763	18.207	65.855	10.830	3.884	13.554
1826		2.471	1.059	70.000	16.579	16.994	65.855	10.830	3.796	13.554
1827		2.295	1.236	65.000	15.395	15.780	65.855	10.830	3.707	13.554
1828		2.118	1.412	60.000	14.211	14.566	65.855	10.830	3.619	13.554
1829		1.942	1.589	55.000	13.026	13.352	65.855	10.830	3.531	13.554
1830		1.765	1.765	50.000	11.842	12.138	65.855	10.830	3.442	13.554
1831		1.589	1.942	45.000	10.658	10.924	65.855	10.830	3.354	13.554
1832		1.412	2.118	40.000	9.474	9.711	65.855	10.830	3.266	13.554
1833		1.236	2.295	35.000	8.290	8.497	65.855	10.830	3.178	13.554

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
1834		1.059	2.471	30.000	7.105	7.283	65.855	10.830	3.089	13.554
1835		0.883	2.648	25.000	5.921	6.069	65.855	10.830	3.001	13.554
1836		0.706	2.824	20.000	4.737	4.855	65.855	10.830	2.913	13.554
1837		0.530	3.001	15.000	3.553	3.641	65.855	10.830	2.825	13.554
1838		0.353	3.177	10.000	2.368	2.428	65.855	10.830	2.736	13.554
1839		0.177	3.354	5.000	1.184	1.214	65.855	10.830	2.648	13.554
1840		0.004	3.526	0.100	0.024	0.024	65.855	10.830	2.562	13.554
1841		0.000	3.530	0.000	0.000	0.000	65.855	10.830	2.560	0.000
1842	ESPACIO VACIO 51	3.530	0.000	100.000	23.198	23.777	62.330	13.605	4.325	0.000
1843		3.526	0.004	99.900	23.174	23.754	62.330	13.605	4.323	0.388
1844		3.354	0.177	95.000	22.038	22.589	62.330	13.605	4.237	0.388
1845		3.177	0.353	90.000	20.878	21.400	62.330	13.605	4.149	0.388
1846		3.001	0.530	85.000	19.718	20.211	62.330	13.605	4.060	0.388
1847		2.824	0.706	80.000	18.558	19.022	62.330	13.605	3.972	0.388
1848		2.648	0.883	75.000	17.398	17.833	62.330	13.605	3.884	0.388
1849		2.471	1.059	70.000	16.238	16.644	62.330	13.605	3.796	0.388
1850		2.295	1.236	65.000	15.078	15.455	62.330	13.605	3.707	0.388
1851		2.118	1.412	60.000	13.919	14.266	62.330	13.605	3.619	0.388
1852		1.942	1.589	55.000	12.759	13.078	62.330	13.605	3.531	0.388
1853		1.765	1.765	50.000	11.599	11.889	62.330	13.605	3.442	0.388
1854		1.589	1.942	45.000	10.439	10.700	62.330	13.605	3.354	0.388
1855		1.412	2.118	40.000	9.279	9.511	62.330	13.605	3.266	0.388
1856		1.236	2.295	35.000	8.119	8.322	62.330	13.605	3.178	0.388
1857		1.059	2.471	30.000	6.959	7.133	62.330	13.605	3.089	0.388
1858		0.883	2.648	25.000	5.799	5.944	62.330	13.605	3.001	0.388
1859		0.706	2.824	20.000	4.640	4.755	62.330	13.605	2.913	0.388
1860		0.530	3.001	15.000	3.480	3.567	62.330	13.605	2.825	0.388
1861		0.353	3.177	10.000	2.320	2.378	62.330	13.605	2.736	0.388
1862		0.177	3.354	5.000	1.160	1.189	62.330	13.605	2.648	0.388
1863		0.004	3.526	0.100	0.023	0.024	62.330	13.605	2.562	0.388
1864		0.000	3.530	0.000	0.000	0.000	62.330	13.605	2.560	0.000
1865	ESPACIO VACIO 52	3.530	0.000	100.000	14.306	14.664	57.610	10.830	4.325	0.000
1866		3.526	0.004	99.900	14.292	14.649	57.610	10.830	4.323	8.187
1867		3.354	0.177	95.000	13.591	13.931	57.610	10.830	4.237	8.187
1868		3.177	0.353	90.000	12.875	13.197	57.610	10.830	4.149	8.187
1869		3.001	0.530	85.000	12.160	12.464	57.610	10.830	4.060	8.187
1870		2.824	0.706	80.000	11.445	11.731	57.610	10.830	3.972	8.187
1871		2.648	0.883	75.000	10.730	10.998	57.610	10.830	3.884	8.187
1872		2.471	1.059	70.000	10.014	10.265	57.610	10.830	3.796	8.187
1873		2.295	1.236	65.000	9.299	9.531	57.610	10.830	3.707	8.187
1874		2.118	1.412	60.000	8.584	8.798	57.610	10.830	3.619	8.187
1875		1.942	1.589	55.000	7.868	8.065	57.610	10.830	3.531	8.187
1876		1.765	1.765	50.000	7.153	7.332	57.610	10.830	3.442	8.187
1877		1.589	1.942	45.000	6.438	6.599	57.610	10.830	3.354	8.187
1878		1.412	2.118	40.000	5.722	5.865	57.610	10.830	3.266	8.187
1879		1.236	2.295	35.000	5.007	5.132	57.610	10.830	3.178	8.187
1880		1.059	2.471	30.000	4.292	4.399	57.610	10.830	3.089	8.187

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
1881		0.883	2.648	25.000	3.577	3.666	57.610	10.830	3.001	8.187
1882		0.706	2.824	20.000	2.861	2.933	57.610	10.830	2.913	8.187
1883		0.530	3.001	15.000	2.146	2.200	57.610	10.830	2.825	8.187
1884		0.353	3.177	10.000	1.431	1.466	57.610	10.830	2.736	8.187
1885		0.177	3.354	5.000	0.715	0.733	57.610	10.830	2.648	8.187
1886		0.004	3.526	0.100	0.014	0.015	57.610	10.830	2.562	8.187
1887		0.000	3.530	0.000	0.000	0.000	57.610	10.830	2.560	0.000
1888	ESPACIO VACIO 53	3.530	0.000	100.000	23.081	23.659	53.805	13.603	4.333	0.000
1889		3.526	0.004	99.900	23.058	23.635	53.805	13.603	4.331	0.388
1890		3.354	0.176	95.000	21.927	22.476	53.806	13.603	4.245	0.388
1891		3.179	0.351	90.000	20.773	21.293	53.806	13.603	4.157	0.388
1892		3.003	0.527	85.000	19.619	20.110	53.807	13.603	4.069	0.388
1893		2.828	0.702	80.000	18.465	18.927	53.809	13.603	3.982	0.388
1894		2.652	0.878	75.000	17.311	17.744	53.810	13.603	3.894	0.388
1895		2.476	1.054	70.000	16.157	16.561	53.811	13.602	3.806	0.388
1896		2.301	1.229	65.000	15.003	15.378	53.813	13.602	3.718	0.388
1897		2.125	1.405	60.000	13.849	14.195	53.815	13.602	3.630	0.388
1898		1.949	1.581	55.000	12.695	13.012	53.817	13.602	3.542	0.388
1899		1.774	1.756	50.000	11.541	11.829	53.820	13.601	3.454	0.388
1900		1.598	1.932	45.000	10.387	10.646	53.823	13.601	3.366	0.388
1901		1.423	2.107	40.000	9.233	9.463	53.827	13.601	3.278	0.388
1902		1.247	2.283	35.000	8.079	8.280	53.832	13.600	3.190	0.388
1903		1.071	2.459	30.000	6.924	7.098	53.839	13.599	3.102	0.388
1904		0.896	2.634	25.000	5.770	5.915	53.849	13.598	3.013	0.388
1905		0.720	2.810	20.000	4.616	4.732	53.864	13.596	2.925	0.388
1906		0.544	2.986	15.000	3.462	3.549	53.887	13.593	2.835	0.383
1907		0.367	3.163	10.000	2.308	2.366	53.917	13.589	2.745	0.370
1908		0.186	3.344	5.000	1.154	1.183	53.955	13.584	2.654	0.350
1909		0.004	3.526	0.100	0.023	0.024	53.999	13.578	2.562	0.322
1910		0.000	3.530	0.000	0.000	0.000	54.000	13.578	2.560	0.000
1911	ESPACIO VACIO 54	3.530	0.000	100.000	14.306	14.664	49.970	10.830	4.325	0.000
1912		3.526	0.004	99.900	14.292	14.649	49.970	10.830	4.323	8.187
1913		3.354	0.177	95.000	13.591	13.930	49.970	10.830	4.237	8.187
1914		3.177	0.353	90.000	12.875	13.197	49.970	10.830	4.149	8.187
1915		3.001	0.530	85.000	12.160	12.464	49.970	10.830	4.060	8.187
1916		2.824	0.706	80.000	11.445	11.731	49.970	10.830	3.972	8.187
1917		2.648	0.883	75.000	10.729	10.998	49.970	10.830	3.884	8.187
1918		2.471	1.059	70.000	10.014	10.265	49.970	10.830	3.796	8.187
1919		2.295	1.236	65.000	9.299	9.531	49.970	10.830	3.707	8.187
1920		2.118	1.412	60.000	8.584	8.798	49.970	10.830	3.619	8.187
1921		1.942	1.589	55.000	7.868	8.065	49.970	10.830	3.531	8.187
1922		1.765	1.765	50.000	7.153	7.332	49.970	10.830	3.442	8.187
1923		1.589	1.942	45.000	6.438	6.599	49.970	10.830	3.354	8.187
1924		1.412	2.118	40.000	5.722	5.865	49.970	10.830	3.266	8.187
1925		1.236	2.295	35.000	5.007	5.132	49.970	10.830	3.178	8.187
1926		1.059	2.471	30.000	4.292	4.399	49.970	10.830	3.089	8.187
1927		0.883	2.648	25.000	3.576	3.666	49.970	10.830	3.001	8.187

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
1928		0.706	2.824	20.000	2.861	2.933	49.970	10.830	2.913	8.187
1929		0.530	3.001	15.000	2.146	2.200	49.970	10.830	2.825	8.187
1930		0.353	3.177	10.000	1.431	1.466	49.970	10.830	2.736	8.187
1931		0.177	3.354	5.000	0.715	0.733	49.970	10.830	2.648	8.187
1932		0.004	3.526	0.100	0.014	0.015	49.970	10.830	2.562	8.187
1933		0.000	3.530	0.000	0.000	0.000	49.970	10.830	2.560	0.000
1934	ALMACEN F.O. 2	3.530	0.000	100.000	112.064	105.822	61.585	10.830	4.325	0.000
1935		3.459	0.071	98.000	109.823	103.705	61.585	10.830	4.290	59.082
1936		3.456	0.074	97.900	109.711	103.600	61.585	10.830	4.288	59.082
1937		3.400	0.130	96.317	107.937	101.925	61.585	10.830	4.260	59.082
1938		3.200	0.330	90.652	101.588	95.929	61.585	10.830	4.160	59.082
1939		3.000	0.530	84.986	95.238	89.934	61.585	10.830	4.060	59.082
1940		2.800	0.730	79.320	88.889	83.938	61.585	10.830	3.960	59.082
1941		2.600	0.930	73.654	82.540	77.942	61.585	10.830	3.860	59.082
1942		2.400	1.130	67.989	76.191	71.947	61.585	10.830	3.760	59.082
1943		2.200	1.330	62.323	69.842	65.951	61.585	10.830	3.660	59.082
1944		2.000	1.530	56.657	63.492	59.956	61.585	10.830	3.560	59.082
1945		1.800	1.730	50.991	57.143	53.960	61.585	10.830	3.460	59.082
1946		1.600	1.930	45.326	50.794	47.965	61.585	10.830	3.360	59.082
1947		1.400	2.130	39.660	44.445	41.969	61.585	10.830	3.260	59.082
1948		1.200	2.330	33.994	38.095	35.973	61.585	10.830	3.160	59.082
1949		1.000	2.530	28.329	31.746	29.978	61.585	10.830	3.060	59.082
1950		0.800	2.730	22.663	25.397	23.982	61.585	10.830	2.960	59.082
1951		0.600	2.930	16.997	19.048	17.987	61.585	10.830	2.860	59.082
1952		0.400	3.130	11.331	12.698	11.991	61.585	10.830	2.760	59.082
1953		0.200	3.330	5.666	6.349	5.996	61.585	10.830	2.660	59.082
1954		0.035	3.495	1.000	1.121	1.058	61.585	10.830	2.578	59.082
1955		0.000	3.530	0.000	0.000	0.000	61.585	10.830	2.560	0.000
1956	ALMACEN D.O.	3.530	0.000	100.000	107.136	89.994	53.790	10.830	4.325	0.000
1957		3.459	0.071	98.000	104.994	88.195	53.790	10.830	4.290	50.245
1958		3.456	0.074	97.900	104.886	88.105	53.790	10.830	4.288	50.245
1959		3.400	0.130	96.317	103.191	86.680	53.790	10.830	4.260	50.245
1960		3.200	0.330	90.652	97.121	81.581	53.790	10.830	4.160	50.245
1961		3.000	0.530	84.986	91.051	76.483	53.790	10.830	4.060	50.245
1962		2.800	0.730	79.320	84.981	71.384	53.790	10.830	3.960	50.245
1963		2.600	0.930	73.654	78.911	66.285	53.790	10.830	3.860	50.245
1964		2.400	1.130	67.989	72.841	61.186	53.790	10.830	3.760	50.245
1965		2.200	1.330	62.323	66.770	56.087	53.790	10.830	3.660	50.245
1966		2.000	1.530	56.657	60.700	50.988	53.790	10.830	3.560	50.245
1967		1.800	1.730	50.991	54.630	45.890	53.790	10.830	3.460	50.245
1968		1.600	1.930	45.326	48.560	40.791	53.790	10.830	3.360	50.245
1969		1.400	2.130	39.660	42.490	35.692	53.790	10.830	3.260	50.245
1970		1.200	2.330	33.994	36.420	30.593	53.790	10.830	3.160	50.245
1971		1.000	2.530	28.329	30.350	25.494	53.790	10.830	3.060	50.245
1972		0.800	2.730	22.663	24.280	20.395	53.790	10.830	2.960	50.245
1973		0.600	2.930	16.997	18.210	15.297	53.790	10.830	2.860	50.245
1974		0.400	3.130	11.331	12.140	10.198	53.790	10.830	2.760	50.245

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
1975		0.200	3.330	5.666	6.070	5.099	53.790	10.830	2.660	50.245
1976		0.035	3.495	1.000	1.071	0.900	53.790	10.830	2.578	50.245
1977		0.000	3.530	0.000	0.000	0.000	53.790	10.830	2.560	0.000
1978	ESPACIO VACIO 55	3.530	0.000	100.000	119.099	122.076	28.430	-10.848	4.663	0.000
1979		3.527	0.003	99.900	118.980	121.954	28.430	-10.848	4.662	124.704
1980		3.398	0.132	95.000	113.144	115.973	28.443	-10.828	4.591	124.704
1981		3.265	0.265	90.000	107.189	109.869	28.458	-10.805	4.519	124.704
1982		3.133	0.397	85.000	101.234	103.765	28.474	-10.780	4.446	124.440
1983		3.001	0.529	80.000	95.279	97.661	28.492	-10.752	4.372	123.486
1984		2.868	0.662	75.000	89.324	91.557	28.512	-10.721	4.298	121.580
1985		2.734	0.796	70.000	83.369	85.454	28.534	-10.687	4.222	118.728
1986		2.599	0.931	65.000	77.414	79.350	28.558	-10.649	4.144	114.825
1987		2.462	1.068	60.000	71.459	73.246	28.586	-10.608	4.066	110.156
1988		2.323	1.207	55.000	65.504	67.142	28.618	-10.563	3.985	104.877
1989		2.181	1.349	50.000	59.549	61.038	28.655	-10.514	3.902	98.945
1990		2.036	1.494	45.000	53.595	54.934	28.699	-10.461	3.817	92.373
1991		1.888	1.642	40.000	47.640	48.831	28.751	-10.401	3.729	85.197
1992		1.734	1.796	35.000	41.685	42.727	28.815	-10.336	3.637	77.368
1993		1.575	1.955	30.000	35.730	36.623	28.896	-10.263	3.541	68.950
1994		1.408	2.122	25.000	29.775	30.519	29.000	-10.180	3.438	59.904
1995		1.231	2.299	20.000	23.820	24.415	29.143	-10.087	3.328	50.217
1996		1.038	2.492	15.000	17.865	18.311	29.351	-9.981	3.205	40.026
1997		0.820	2.710	10.000	11.910	12.208	29.682	-9.861	3.062	29.320
1998		0.538	2.992	5.000	5.955	6.104	30.189	-9.713	2.876	16.229
1999		0.020	3.510	0.100	0.119	0.122	30.973	-9.415	2.570	2.716
2000		0.000	3.530	0.000	0.000	0.000	30.992	-9.401	2.560	0.000
2001	AGUA TECNICA	3.530	0.000	100.000	29.175	29.175	30.950	0.000	4.325	0.000
2002		3.459	0.071	98.000	28.592	28.592	30.950	0.000	4.290	6.097
2003		3.456	0.074	97.900	28.563	28.563	30.950	0.000	4.288	6.097
2004		3.400	0.130	96.317	28.101	28.101	30.950	0.000	4.260	6.097
2005		3.200	0.330	90.652	26.448	26.448	30.950	0.000	4.160	6.097
2006		3.000	0.530	84.986	24.795	24.795	30.950	0.000	4.060	6.097
2007		2.800	0.730	79.320	23.142	23.142	30.950	0.000	3.960	6.097
2008		2.600	0.930	73.654	21.489	21.489	30.950	0.000	3.860	6.097
2009		2.400	1.130	67.989	19.836	19.836	30.950	0.000	3.760	6.097
2010		2.200	1.330	62.323	18.183	18.183	30.950	0.000	3.660	6.097
2011		2.000	1.530	56.657	16.530	16.530	30.950	0.000	3.560	6.097
2012		1.800	1.730	50.991	14.877	14.877	30.950	0.000	3.460	6.097
2013		1.600	1.930	45.326	13.224	13.224	30.950	0.000	3.360	6.097
2014		1.400	2.130	39.660	11.571	11.571	30.950	0.000	3.260	6.097
2015		1.200	2.330	33.994	9.918	9.918	30.950	0.000	3.160	6.097
2016		1.000	2.530	28.329	8.265	8.265	30.950	0.000	3.060	6.097
2017		0.800	2.730	22.663	6.612	6.612	30.950	0.000	2.960	6.097
2018		0.600	2.930	16.997	4.959	4.959	30.950	0.000	2.860	6.097
2019		0.400	3.130	11.331	3.306	3.306	30.950	0.000	2.760	6.097
2020		0.200	3.330	5.666	1.653	1.653	30.950	0.000	2.660	6.097
2021		0.035	3.495	1.000	0.292	0.292	30.950	0.000	2.578	6.097

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
2022		0.000	3.530	0.000	0.000	0.000	30.950	0.000	2.560	0.000
2023	ESPACIO VACIO 56	3.530	0.000	100.000	119.099	122.076	28.430	10.848	4.663	0.000
2024		3.527	0.003	99.900	118.980	121.954	28.430	10.848	4.662	124.704
2025		3.398	0.132	95.000	113.144	115.973	28.443	10.828	4.591	124.704
2026		3.265	0.265	90.000	107.189	109.869	28.458	10.805	4.519	124.704
2027		3.133	0.397	85.000	101.234	103.765	28.474	10.780	4.446	124.440
2028		3.001	0.529	80.000	95.279	97.661	28.492	10.752	4.372	123.486
2029		2.868	0.662	75.000	89.324	91.557	28.512	10.721	4.298	121.580
2030		2.734	0.796	70.000	83.369	85.454	28.534	10.687	4.222	118.728
2031		2.599	0.931	65.000	77.414	79.350	28.558	10.649	4.144	114.825
2032		2.462	1.068	60.000	71.459	73.246	28.586	10.608	4.066	110.156
2033		2.323	1.207	55.000	65.504	67.142	28.618	10.563	3.985	104.877
2034		2.181	1.349	50.000	59.549	61.038	28.655	10.514	3.902	98.945
2035		2.036	1.494	45.000	53.595	54.934	28.699	10.461	3.817	92.373
2036		1.888	1.642	40.000	47.640	48.831	28.751	10.401	3.729	85.197
2037		1.734	1.796	35.000	41.685	42.727	28.815	10.336	3.637	77.368
2038		1.575	1.955	30.000	35.730	36.623	28.896	10.263	3.541	68.950
2039		1.408	2.122	25.000	29.775	30.519	29.000	10.180	3.438	59.904
2040		1.231	2.299	20.000	23.820	24.415	29.143	10.087	3.328	50.217
2041		1.038	2.492	15.000	17.865	18.311	29.351	9.981	3.205	40.026
2042		0.820	2.710	10.000	11.910	12.208	29.682	9.861	3.062	29.320
2043		0.538	2.992	5.000	5.955	6.104	30.189	9.713	2.876	16.229
2044		0.020	3.510	0.100	0.119	0.122	30.973	9.415	2.570	2.716
2045		0.000	3.530	0.000	0.000	0.000	30.992	9.401	2.560	0.000
2046	ESPACIO VACIO 57	2.811	0.000	100.000	77.421	79.356	19.992	-10.811	5.138	0.000
2047		2.809	0.002	99.900	77.343	79.277	19.993	-10.811	5.137	124.286
2048		2.724	0.086	95.000	73.550	75.388	20.010	-10.789	5.091	123.476
2049		2.638	0.173	90.000	69.678	71.420	20.030	-10.765	5.042	122.215
2050		2.551	0.259	85.000	65.807	67.453	20.052	-10.739	4.993	120.267
2051		2.464	0.347	80.000	61.936	63.485	20.077	-10.710	4.944	117.696
2052		2.376	0.435	75.000	58.065	59.517	20.104	-10.680	4.893	114.808
2053		2.287	0.524	70.000	54.194	55.549	20.135	-10.646	4.842	111.341
2054		2.197	0.613	65.000	50.323	51.581	20.169	-10.610	4.790	107.439
2055		2.106	0.704	60.000	46.452	47.614	20.210	-10.571	4.736	103.109
2056		2.014	0.797	55.000	42.581	43.646	20.256	-10.528	4.681	98.090
2057		1.920	0.891	50.000	38.710	39.678	20.311	-10.481	4.625	92.565
2058		1.823	0.987	45.000	34.839	35.710	20.375	-10.430	4.567	86.426
2059		1.724	1.086	40.000	30.968	31.742	20.454	-10.374	4.506	79.735
2060		1.623	1.188	35.000	27.097	27.775	20.552	-10.312	4.442	72.449
2061		1.517	1.294	30.000	23.226	23.807	20.676	-10.244	4.374	64.649
2062		1.406	1.405	25.000	19.355	19.839	20.842	-10.168	4.300	56.201
2063		1.287	1.523	20.000	15.484	15.871	21.071	-10.083	4.219	47.293
2064		1.156	1.654	15.000	11.613	11.903	21.397	-9.990	4.124	37.129
2065		0.996	1.815	10.000	7.742	7.936	21.799	-9.869	4.007	25.012
2066		0.771	2.040	5.000	3.871	3.968	22.331	-9.679	3.843	12.282
2067		0.185	2.626	0.100	0.077	0.079	23.540	-8.928	3.415	0.178
2068		0.000	2.811	0.000	0.000	0.000	23.862	-8.460	3.279	0.000

Academic Version

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2069	ESPACIO VACIO 58	2.429	0.000	100.000	40.968	41.993	17.948	-6.175	5.099	0.000
2070		2.427	0.002	99.900	40.927	41.951	17.948	-6.175	5.098	38.766
2071		2.331	0.098	95.000	38.920	39.893	17.956	-6.174	5.049	38.766
2072		2.233	0.196	90.000	36.872	37.793	17.965	-6.173	4.999	38.766
2073		2.135	0.294	85.000	34.823	35.694	17.975	-6.172	4.950	38.766
2074		2.037	0.392	80.000	32.775	33.594	17.986	-6.171	4.900	38.766
2075		1.939	0.490	75.000	30.726	31.494	17.999	-6.170	4.850	38.766
2076		1.841	0.588	70.000	28.678	29.395	18.014	-6.168	4.800	38.766
2077		1.743	0.685	65.000	26.629	27.295	18.030	-6.167	4.749	38.766
2078		1.645	0.783	60.000	24.581	25.196	18.050	-6.165	4.699	38.766
2079		1.548	0.881	55.000	22.533	23.096	18.073	-6.163	4.648	38.766
2080		1.450	0.979	50.000	20.484	20.996	18.101	-6.160	4.597	38.766
2081		1.352	1.077	45.000	18.436	18.897	18.135	-6.157	4.545	38.766
2082		1.254	1.175	40.000	16.387	16.797	18.178	-6.152	4.493	38.766
2083		1.156	1.273	35.000	14.339	14.697	18.232	-6.147	4.439	38.766
2084		1.058	1.371	30.000	12.291	12.598	18.305	-6.140	4.385	38.766
2085		0.960	1.469	25.000	10.242	10.498	18.407	-6.130	4.328	38.766
2086		0.862	1.567	20.000	8.194	8.399	18.560	-6.115	4.267	38.766
2087		0.760	1.669	15.000	6.145	6.299	18.782	-6.092	4.198	35.134
2088		0.638	1.791	10.000	4.097	4.199	19.046	-6.056	4.115	28.179
2089		0.478	1.951	5.000	2.048	2.100	19.386	-5.969	4.007	19.135
2090		0.126	2.303	0.100	0.041	0.042	20.022	-4.676	3.757	0.750
2091		0.000	2.429	0.000	0.000	0.000	20.192	-3.921	3.661	0.000
2092	ESPACIO VACIO 59	3.391	0.000	100.000	159.779	163.774	20.039	0.000	4.798	0.000
2093		3.388	0.003	99.900	159.619	163.610	20.039	0.000	4.796	351.519
2094		3.265	0.126	95.000	151.790	155.585	20.060	0.000	4.733	351.519
2095		3.140	0.251	90.000	143.801	147.396	20.083	0.000	4.668	351.519
2096		3.014	0.377	85.000	135.812	139.208	20.109	0.000	4.603	351.519
2097		2.889	0.502	80.000	127.823	131.019	20.139	0.000	4.538	351.519
2098		2.763	0.628	75.000	119.834	122.830	20.172	0.000	4.472	351.519
2099		2.637	0.754	70.000	111.845	114.642	20.210	0.000	4.405	351.519
2100		2.512	0.879	65.000	103.857	106.453	20.254	0.000	4.339	351.519
2101		2.386	1.005	60.000	95.868	98.264	20.305	0.000	4.271	351.519
2102		2.261	1.130	55.000	87.879	90.076	20.365	0.000	4.203	351.519
2103		2.135	1.256	50.000	79.890	81.887	20.438	0.000	4.134	351.519
2104		2.009	1.382	45.000	71.901	73.698	20.526	0.000	4.063	351.519
2105		1.884	1.507	40.000	63.912	65.510	20.637	0.000	3.990	351.519
2106		1.758	1.633	35.000	55.923	57.321	20.780	0.000	3.914	351.519
2107		1.632	1.759	30.000	47.934	49.132	20.964	0.000	3.834	332.982
2108		1.500	1.891	25.000	39.945	40.943	21.193	0.000	3.748	301.001
2109		1.358	2.033	20.000	31.956	32.755	21.468	0.000	3.653	264.227
2110		1.197	2.194	15.000	23.967	24.566	21.787	0.000	3.544	224.469
2111		1.005	2.386	10.000	15.978	16.377	22.160	0.000	3.414	177.737
2112		0.753	2.638	5.000	7.989	8.189	22.637	0.000	3.243	119.312
2113		0.187	3.204	0.100	0.160	0.164	23.570	0.000	2.838	2.257
2114		0.000	3.391	0.000	0.000	0.000	23.862	0.000	2.699	0.000
2115	ESPACIO VACIO 60	2.429	0.000	100.000	40.968	41.993	17.948	6.175	5.099	0.000

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
2116		2.427	0.002	99.900	40.927	41.951	17.948	6.175	5.098	38.766
2117		2.331	0.098	95.000	38.920	39.893	17.956	6.174	5.049	38.766
2118		2.233	0.196	90.000	36.872	37.793	17.965	6.173	4.999	38.766
2119		2.135	0.294	85.000	34.823	35.694	17.975	6.172	4.950	38.766
2120		2.037	0.392	80.000	32.775	33.594	17.986	6.171	4.900	38.766
2121		1.939	0.490	75.000	30.726	31.494	17.999	6.170	4.850	38.766
2122		1.841	0.588	70.000	28.678	29.395	18.014	6.168	4.800	38.766
2123		1.743	0.685	65.000	26.629	27.295	18.030	6.167	4.749	38.766
2124		1.645	0.783	60.000	24.581	25.196	18.050	6.165	4.699	38.766
2125		1.548	0.881	55.000	22.533	23.096	18.073	6.163	4.648	38.766
2126		1.450	0.979	50.000	20.484	20.996	18.101	6.160	4.597	38.766
2127		1.352	1.077	45.000	18.436	18.897	18.135	6.157	4.545	38.766
2128		1.254	1.175	40.000	16.387	16.797	18.178	6.152	4.493	38.766
2129		1.156	1.273	35.000	14.339	14.697	18.232	6.147	4.439	38.766
2130		1.058	1.371	30.000	12.291	12.598	18.305	6.140	4.385	38.766
2131		0.960	1.469	25.000	10.242	10.498	18.407	6.130	4.328	38.766
2132		0.862	1.567	20.000	8.194	8.399	18.560	6.115	4.267	38.766
2133		0.760	1.669	15.000	6.145	6.299	18.782	6.092	4.198	35.134
2134		0.638	1.791	10.000	4.097	4.199	19.046	6.056	4.115	28.179
2135		0.478	1.951	5.000	2.048	2.100	19.386	5.969	4.007	19.135
2136		0.126	2.303	0.100	0.041	0.042	20.022	4.676	3.757	0.750
2137		0.000	2.429	0.000	0.000	0.000	20.192	3.921	3.661	0.000
2138	ESPACIO VACIO 61	2.811	0.000	100.000	77.421	79.356	19.992	10.811	5.138	0.000
2139		2.809	0.002	99.900	77.343	79.277	19.993	10.811	5.137	124.286
2140		2.724	0.086	95.000	73.550	75.388	20.010	10.789	5.091	123.476
2141		2.638	0.173	90.000	69.678	71.420	20.030	10.765	5.042	122.215
2142		2.551	0.259	85.000	65.807	67.453	20.052	10.739	4.993	120.267
2143		2.464	0.347	80.000	61.936	63.485	20.077	10.710	4.944	117.696
2144		2.376	0.435	75.000	58.065	59.517	20.104	10.680	4.893	114.808
2145		2.287	0.524	70.000	54.194	55.549	20.135	10.646	4.842	111.341
2146		2.197	0.613	65.000	50.323	51.581	20.169	10.610	4.790	107.439
2147		2.106	0.704	60.000	46.452	47.614	20.210	10.571	4.736	103.109
2148		2.014	0.797	55.000	42.581	43.646	20.256	10.528	4.681	98.090
2149		1.920	0.891	50.000	38.710	39.678	20.311	10.481	4.625	92.565
2150		1.823	0.987	45.000	34.839	35.710	20.375	10.430	4.567	86.426
2151		1.724	1.086	40.000	30.968	31.742	20.454	10.374	4.506	79.734
2152		1.623	1.188	35.000	27.097	27.775	20.552	10.312	4.442	72.449
2153		1.517	1.294	30.000	23.226	23.807	20.676	10.244	4.374	64.649
2154		1.406	1.405	25.000	19.355	19.839	20.842	10.168	4.300	56.201
2155		1.287	1.523	20.000	15.484	15.871	21.071	10.083	4.219	47.293
2156		1.156	1.654	15.000	11.613	11.903	21.397	9.990	4.124	37.129
2157		0.996	1.815	10.000	7.742	7.936	21.799	9.869	4.007	25.012
2158		0.771	2.040	5.000	3.871	3.968	22.331	9.679	3.843	12.282
2159		0.185	2.626	0.100	0.077	0.079	23.540	8.928	3.415	0.178
2160		0.000	2.811	0.000	0.000	0.000	23.862	8.460	3.279	0.000
2161	ESPACIO VACIO 62	1.616	0.000	100.000	13.776	14.120	14.326	-10.826	5.424	0.000
2162		1.615	0.001	99.900	13.762	14.106	14.326	-10.825	5.423	30.371

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
2163		1.554	0.062	95.000	13.087	13.414	14.327	-10.806	5.390	30.024
2164		1.492	0.124	90.000	12.398	12.708	14.329	-10.785	5.357	29.550
2165		1.430	0.186	85.000	11.709	12.002	14.331	-10.762	5.323	28.925
2166		1.367	0.249	80.000	11.021	11.296	14.332	-10.737	5.288	28.301
2167		1.304	0.312	75.000	10.332	10.590	14.334	-10.711	5.253	27.681
2168		1.240	0.376	70.000	9.643	9.884	14.337	-10.682	5.218	26.997
2169		1.176	0.441	65.000	8.954	9.178	14.339	-10.650	5.183	26.074
2170		1.110	0.506	60.000	8.265	8.472	14.342	-10.617	5.146	25.116
2171		1.044	0.572	55.000	7.577	7.766	14.346	-10.580	5.110	24.152
2172		0.977	0.639	50.000	6.888	7.060	14.350	-10.539	5.072	22.942
2173		0.909	0.707	45.000	6.199	6.354	14.355	-10.495	5.034	21.584
2174		0.839	0.777	40.000	5.510	5.648	14.361	-10.446	4.995	20.223
2175		0.767	0.849	35.000	4.822	4.942	14.369	-10.391	4.954	18.627
2176		0.694	0.922	30.000	4.133	4.236	14.379	-10.330	4.912	16.913
2177		0.617	0.999	25.000	3.444	3.530	14.392	-10.259	4.869	15.118
2178		0.538	1.079	20.000	2.755	2.824	14.412	-10.178	4.823	13.040
2179		0.453	1.163	15.000	2.066	2.118	14.443	-10.079	4.775	10.832
2180		0.362	1.254	10.000	1.378	1.412	14.501	-9.956	4.721	8.268
2181		0.259	1.357	5.000	0.689	0.706	14.654	-9.793	4.655	5.244
2182		0.048	1.568	0.100	0.014	0.014	15.231	-9.293	4.508	0.221
2183		0.000	1.616	0.000	0.000	0.000	15.358	-9.188	4.474	0.000
2184	ESPACIO VACIO 63	2.063	0.000	100.000	53.288	54.620	14.335	0.000	5.307	0.000
2185		2.062	0.002	99.900	53.235	54.566	14.335	0.000	5.306	885.437
2186		1.986	0.077	95.000	50.624	51.889	14.337	0.000	5.267	885.437
2187		1.908	0.155	90.000	47.959	49.158	14.339	0.000	5.228	885.437
2188		1.831	0.232	85.000	45.295	46.427	14.341	0.000	5.189	885.437
2189		1.754	0.310	80.000	42.631	43.696	14.343	0.000	5.149	885.437
2190		1.676	0.387	75.000	39.966	40.965	14.346	0.000	5.110	885.437
2191		1.599	0.465	70.000	37.302	38.234	14.350	0.000	5.070	885.437
2192		1.521	0.542	65.000	34.637	35.503	14.353	0.000	5.031	885.437
2193		1.444	0.620	60.000	31.973	32.772	14.358	0.000	4.991	885.437
2194		1.366	0.697	55.000	29.308	30.041	14.363	0.000	4.951	885.437
2195		1.289	0.775	50.000	26.644	27.310	14.369	0.000	4.910	885.437
2196		1.211	0.852	45.000	23.980	24.579	14.377	0.000	4.870	885.437
2197		1.134	0.929	40.000	21.315	21.848	14.387	0.000	4.829	885.437
2198		1.056	1.007	35.000	18.651	19.117	14.399	0.000	4.787	885.437
2199		0.979	1.084	30.000	15.986	16.386	14.416	0.000	4.744	885.437
2200		0.901	1.162	25.000	13.322	13.655	14.439	0.000	4.699	885.437
2201		0.824	1.239	20.000	10.658	10.924	14.474	0.000	4.652	885.437
2202		0.746	1.317	15.000	7.993	8.193	14.530	0.000	4.598	843.604
2203		0.659	1.405	10.000	5.329	5.462	14.593	0.000	4.532	596.815
2204		0.539	1.524	5.000	2.664	2.731	14.627	0.000	4.434	246.303
2205		0.146	1.918	0.100	0.053	0.055	15.110	0.000	4.135	0.247
2206		0.000	2.063	0.000	0.000	0.000	15.358	0.000	4.027	0.000
2207	ESPACIO VACIO 64	1.616	0.000	100.000	13.776	14.120	14.326	10.826	5.424	0.000
2208		1.615	0.001	99.900	13.762	14.106	14.326	10.825	5.423	30.371
2209		1.554	0.062	95.000	13.087	13.414	14.327	10.806	5.390	30.024

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
2210		1.492	0.124	90.000	12.398	12.708	14.329	10.785	5.357	29.550
2211		1.430	0.186	85.000	11.709	12.002	14.331	10.762	5.323	28.925
2212		1.367	0.249	80.000	11.021	11.296	14.332	10.737	5.288	28.301
2213		1.304	0.312	75.000	10.332	10.590	14.334	10.711	5.253	27.681
2214		1.240	0.376	70.000	9.643	9.884	14.337	10.682	5.218	26.997
2215		1.176	0.441	65.000	8.954	9.178	14.339	10.650	5.183	26.074
2216		1.110	0.506	60.000	8.265	8.472	14.342	10.617	5.146	25.116
2217		1.044	0.572	55.000	7.577	7.766	14.346	10.580	5.110	24.152
2218		0.977	0.639	50.000	6.888	7.060	14.350	10.539	5.072	22.942
2219		0.909	0.707	45.000	6.199	6.354	14.355	10.495	5.034	21.584
2220		0.839	0.777	40.000	5.510	5.648	14.361	10.446	4.995	20.223
2221		0.767	0.849	35.000	4.822	4.942	14.369	10.391	4.954	18.627
2222		0.694	0.922	30.000	4.133	4.236	14.379	10.330	4.912	16.913
2223		0.617	0.999	25.000	3.444	3.530	14.392	10.259	4.869	15.118
2224		0.538	1.079	20.000	2.755	2.824	14.412	10.178	4.823	13.040
2225		0.453	1.163	15.000	2.066	2.118	14.443	10.079	4.775	10.832
2226		0.362	1.254	10.000	1.378	1.412	14.501	9.956	4.721	8.268
2227		0.259	1.357	5.000	0.689	0.706	14.654	9.793	4.655	5.244
2228		0.048	1.568	0.100	0.014	0.014	15.231	9.293	4.508	0.221
2229		0.000	1.616	0.000	0.000	0.000	15.358	9.188	4.474	0.000
2230	ESPACIO VACIO 65	1.380	0.000	100.000	37.583	38.522	9.404	-10.874	5.621	0.000
2231		1.379	0.001	99.900	37.545	38.484	9.404	-10.874	5.621	116.978
2232		1.337	0.042	95.000	35.704	36.596	9.430	-10.859	5.598	115.325
2233		1.295	0.085	90.000	33.824	34.670	9.458	-10.844	5.574	113.493
2234		1.252	0.128	85.000	31.945	32.744	9.490	-10.827	5.550	111.452
2235		1.209	0.171	80.000	30.066	30.818	9.525	-10.809	5.526	109.217
2236		1.166	0.214	75.000	28.187	28.892	9.565	-10.791	5.501	106.814
2237		1.122	0.258	70.000	26.308	26.966	9.610	-10.771	5.475	104.247
2238		1.078	0.302	65.000	24.429	25.039	9.662	-10.749	5.450	101.305
2239		1.034	0.346	60.000	22.550	23.113	9.722	-10.727	5.423	97.989
2240		0.989	0.391	55.000	20.670	21.187	9.792	-10.703	5.396	94.407
2241		0.943	0.437	50.000	18.791	19.261	9.875	-10.678	5.368	90.535
2242		0.896	0.483	45.000	16.912	17.335	9.975	-10.651	5.339	86.235
2243		0.849	0.531	40.000	15.033	15.409	10.097	-10.623	5.309	81.197
2244		0.801	0.579	35.000	13.154	13.483	10.249	-10.592	5.276	74.289
2245		0.750	0.630	30.000	11.275	11.557	10.437	-10.557	5.241	66.131
2246		0.696	0.684	25.000	9.396	9.631	10.670	-10.514	5.203	57.704
2247		0.636	0.744	20.000	7.517	7.704	10.942	-10.460	5.159	47.404
2248		0.565	0.814	15.000	5.637	5.778	11.246	-10.394	5.108	36.912
2249		0.478	0.902	10.000	3.758	3.852	11.600	-10.306	5.046	26.420
2250		0.357	1.023	5.000	1.879	1.926	12.041	-10.171	4.960	14.691
2251		0.067	1.313	0.100	0.038	0.039	13.012	-9.731	4.756	0.628
2252		0.000	1.380	0.000	0.000	0.000	13.181	-9.874	4.710	0.000
2253	LASTRE 14	1.756	0.000	100.000	123.293	126.375	9.674	0.000	5.596	0.000
2254		1.738	0.018	98.000	120.827	123.848	9.690	0.000	5.586	3591.397
2255		1.737	0.019	97.900	120.704	123.721	9.691	0.000	5.586	3591.397
2256		1.700	0.056	93.690	115.513	118.401	9.727	0.000	5.565	3591.397

Academic Version

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2257		1.600	0.156	82.374	101.561	104.100	9.842	0.000	5.507	3591.397
2258		1.500	0.256	71.057	87.609	89.799	9.993	0.000	5.447	3591.397
2259		1.400	0.356	59.742	73.657	75.499	10.202	0.000	5.383	3587.401
2260		1.300	0.456	48.740	60.093	61.595	10.473	0.000	5.315	3360.139
2261		1.200	0.556	38.708	47.725	48.918	10.765	0.000	5.245	2850.193
2262		1.100	0.656	29.881	36.841	37.762	11.060	0.000	5.175	2410.871
2263		1.000	0.756	22.322	27.522	28.210	11.344	0.000	5.103	2082.220
2264		0.900	0.856	16.039	19.775	20.269	11.604	0.000	5.032	1642.001
2265		0.800	0.956	10.898	13.436	13.772	11.844	0.000	4.959	1236.720
2266		0.700	1.056	6.846	8.441	8.652	12.057	0.000	4.883	878.365
2267		0.600	1.156	3.871	4.773	4.892	12.226	0.000	4.803	539.175
2268		0.500	1.256	1.929	2.378	2.437	12.336	0.000	4.716	233.294
2269		0.412	1.344	1.000	1.233	1.264	12.449	0.000	4.643	21.101
2270		0.400	1.356	0.916	1.129	1.157	12.467	0.000	4.634	16.884
2271		0.300	1.456	0.383	0.472	0.484	12.649	0.000	4.558	4.441
2272		0.200	1.556	0.116	0.143	0.146	12.828	0.000	4.482	0.840
2273		0.100	1.656	0.016	0.019	0.020	13.006	0.000	4.407	0.059
2274		0.000	1.756	0.000	0.000	0.000	13.181	0.000	4.334	0.000
2275	ESPACIO VACIO 66	1.380	0.000	100.000	37.583	38.522	9.404	10.874	5.621	0.000
2276		1.379	0.001	99.900	37.545	38.484	9.404	10.874	5.621	116.978
2277		1.337	0.042	95.000	35.704	36.596	9.430	10.859	5.598	115.325
2278		1.295	0.085	90.000	33.824	34.670	9.458	10.844	5.574	113.493
2279		1.252	0.128	85.000	31.945	32.744	9.490	10.827	5.550	111.452
2280		1.209	0.171	80.000	30.066	30.818	9.525	10.809	5.526	109.217
2281		1.166	0.214	75.000	28.187	28.892	9.565	10.791	5.501	106.814
2282		1.122	0.258	70.000	26.308	26.966	9.610	10.771	5.475	104.247
2283		1.078	0.302	65.000	24.429	25.039	9.662	10.749	5.450	101.305
2284		1.034	0.346	60.000	22.550	23.113	9.722	10.727	5.423	97.989
2285		0.989	0.391	55.000	20.670	21.187	9.792	10.703	5.396	94.407
2286		0.943	0.437	50.000	18.791	19.261	9.875	10.678	5.368	90.535
2287		0.896	0.483	45.000	16.912	17.335	9.975	10.651	5.339	86.235
2288		0.849	0.531	40.000	15.033	15.409	10.097	10.623	5.309	81.197
2289		0.801	0.579	35.000	13.154	13.483	10.249	10.592	5.276	74.289
2290		0.750	0.630	30.000	11.275	11.557	10.437	10.557	5.241	66.131
2291		0.696	0.684	25.000	9.396	9.631	10.670	10.514	5.203	57.704
2292		0.636	0.744	20.000	7.517	7.704	10.942	10.460	5.159	47.404
2293		0.565	0.814	15.000	5.637	5.778	11.246	10.394	5.108	36.912
2294		0.478	0.902	10.000	3.758	3.852	11.600	10.306	5.046	26.420
2295		0.357	1.023	5.000	1.879	1.926	12.041	10.171	4.960	14.691
2296		0.067	1.313	0.100	0.038	0.039	13.012	9.731	4.756	0.628
2297		0.000	1.380	0.000	0.000	0.000	13.181	9.874	4.710	0.000
2298	ESPACIO VACIO 67	0.702	0.000	100.000	16.222	16.628	0.956	-11.070	5.868	0.000
2299		0.701	0.000	99.900	16.206	16.611	0.956	-11.070	5.868	102.588
2300		0.682	0.019	95.000	15.411	15.796	0.989	-11.071	5.857	101.325
2301		0.663	0.039	90.000	14.600	14.965	1.027	-11.073	5.845	99.995
2302		0.644	0.058	85.000	13.789	14.134	1.068	-11.075	5.834	98.293
2303		0.624	0.078	80.000	12.978	13.302	1.114	-11.078	5.822	95.771

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
2304		0.604	0.097	75.000	12.167	12.471	1.165	-11.082	5.810	92.655
2305		0.584	0.118	70.000	11.356	11.640	1.221	-11.086	5.798	89.190
2306		0.564	0.138	65.000	10.544	10.808	1.283	-11.091	5.785	85.109
2307		0.543	0.159	60.000	9.733	9.977	1.351	-11.095	5.772	80.971
2308		0.522	0.180	55.000	8.922	9.145	1.427	-11.100	5.758	76.558
2309		0.500	0.202	50.000	8.111	8.314	1.513	-11.104	5.744	71.614
2310		0.477	0.225	45.000	7.300	7.483	1.610	-11.108	5.730	67.027
2311		0.454	0.248	40.000	6.489	6.651	1.722	-11.111	5.714	61.297
2312		0.429	0.273	35.000	5.678	5.820	1.855	-11.113	5.698	55.788
2313		0.403	0.298	30.000	4.867	4.988	2.014	-11.114	5.680	50.286
2314		0.375	0.326	25.000	4.056	4.157	2.210	-11.112	5.660	43.653
2315		0.345	0.357	20.000	3.244	3.326	2.449	-11.108	5.638	37.333
2316		0.309	0.393	15.000	2.433	2.494	2.717	-11.107	5.612	29.056
2317		0.265	0.437	10.000	1.622	1.663	3.024	-11.115	5.580	20.677
2318		0.203	0.498	5.000	0.811	0.831	3.407	-11.149	5.535	10.872
2319		0.044	0.658	0.100	0.016	0.017	4.275	-11.235	5.420	0.179
2320		0.000	0.702	0.000	0.000	0.000	4.502	-11.151	5.388	0.000
2321	ESPACIO VACIO 68	0.719	0.000	100.000	24.752	25.371	1.973	0.000	5.935	0.000
2322		0.719	0.000	99.900	24.727	25.345	1.975	0.000	5.935	2904.600
2323		0.708	0.011	95.000	23.514	24.102	2.030	0.000	5.927	2806.104
2324		0.697	0.022	90.000	22.277	22.834	2.088	0.000	5.919	2677.401
2325		0.685	0.034	85.000	21.039	21.565	2.146	0.000	5.911	2575.522
2326		0.673	0.046	80.000	19.802	20.297	2.207	0.000	5.902	2481.175
2327		0.661	0.058	75.000	18.564	19.028	2.271	0.000	5.893	2395.689
2328		0.648	0.071	70.000	17.326	17.760	2.337	0.000	5.884	2242.406
2329		0.635	0.085	65.000	16.089	16.491	2.406	0.000	5.874	2114.247
2330		0.620	0.099	60.000	14.851	15.222	2.476	0.000	5.863	2009.753
2331		0.606	0.113	55.000	13.614	13.954	2.552	0.000	5.852	1914.700
2332		0.590	0.129	50.000	12.376	12.685	2.632	0.000	5.841	1792.898
2333		0.574	0.145	45.000	11.138	11.417	2.718	0.000	5.828	1644.263
2334		0.556	0.163	40.000	9.901	10.148	2.809	0.000	5.815	1516.813
2335		0.537	0.182	35.000	8.663	8.880	2.906	0.000	5.800	1415.642
2336		0.517	0.202	30.000	7.426	7.611	3.008	0.000	5.784	1250.097
2337		0.493	0.226	25.000	6.188	6.343	3.112	0.000	5.765	1083.964
2338		0.467	0.252	20.000	4.950	5.074	3.215	0.000	5.744	968.752
2339		0.435	0.284	15.000	3.713	3.806	3.322	0.000	5.718	734.202
2340		0.395	0.324	10.000	2.475	2.537	3.430	0.000	5.683	511.639
2341		0.332	0.387	5.000	1.238	1.269	3.583	0.000	5.629	210.688
2342		0.096	0.624	0.100	0.025	0.025	4.229	0.000	5.442	0.069
2343		0.000	0.719	0.000	0.000	0.000	4.502	0.000	5.371	0.000
2344	ESPACIO VACIO 69	0.702	0.000	100.000	16.222	16.628	0.956	11.070	5.868	0.000
2345		0.701	0.000	99.900	16.206	16.611	0.956	11.070	5.868	102.588
2346		0.682	0.019	95.000	15.411	15.796	0.989	11.071	5.857	101.325
2347		0.663	0.039	90.000	14.600	14.965	1.027	11.073	5.845	99.995
2348		0.644	0.058	85.000	13.789	14.134	1.068	11.075	5.834	98.293
2349		0.624	0.078	80.000	12.978	13.302	1.114	11.078	5.822	95.771
2350		0.604	0.097	75.000	12.167	12.471	1.165	11.082	5.810	92.655

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
2351		0.584	0.118	70.000	11.356	11.640	1.221	11.086	5.798	89.190
2352		0.564	0.138	65.000	10.544	10.808	1.283	11.091	5.785	85.109
2353		0.543	0.159	60.000	9.733	9.977	1.351	11.095	5.772	80.971
2354		0.522	0.180	55.000	8.922	9.145	1.427	11.100	5.758	76.558
2355		0.500	0.202	50.000	8.111	8.314	1.513	11.104	5.744	71.614
2356		0.477	0.225	45.000	7.300	7.483	1.610	11.108	5.730	67.027
2357		0.454	0.248	40.000	6.489	6.651	1.722	11.111	5.714	61.297
2358		0.429	0.273	35.000	5.678	5.820	1.855	11.113	5.698	55.788
2359		0.403	0.298	30.000	4.867	4.988	2.014	11.114	5.680	50.286
2360		0.375	0.326	25.000	4.056	4.157	2.210	11.112	5.660	43.653
2361		0.345	0.357	20.000	3.244	3.326	2.449	11.108	5.638	37.333
2362		0.309	0.393	15.000	2.433	2.494	2.717	11.107	5.612	29.056
2363		0.265	0.437	10.000	1.622	1.663	3.024	11.115	5.580	20.677
2364		0.203	0.498	5.000	0.811	0.831	3.407	11.149	5.535	10.872
2365		0.044	0.658	0.100	0.016	0.017	4.275	11.235	5.420	0.179
2366		0.000	0.702	0.000	0.000	0.000	4.502	11.151	5.388	0.000
2367	ESPACIO VACIO 70	0.453	0.000	100.000	3.750	3.844	-5.641	-11.137	5.941	0.000
2368		0.453	0.000	99.900	3.746	3.840	-5.641	-11.137	5.941	33.482
2369		0.440	0.013	95.000	3.562	3.652	-5.648	-11.145	5.933	33.222
2370		0.427	0.026	90.000	3.375	3.459	-5.656	-11.154	5.926	32.929
2371		0.414	0.039	85.000	3.187	3.267	-5.665	-11.165	5.918	32.097
2372		0.401	0.052	80.000	3.000	3.075	-5.675	-11.176	5.910	30.660
2373		0.388	0.065	75.000	2.812	2.883	-5.685	-11.189	5.902	29.051
2374		0.374	0.079	70.000	2.625	2.691	-5.696	-11.202	5.893	27.574
2375		0.360	0.093	65.000	2.437	2.498	-5.707	-11.216	5.885	25.822
2376		0.346	0.107	60.000	2.250	2.306	-5.719	-11.230	5.876	24.214
2377		0.331	0.122	55.000	2.062	2.114	-5.733	-11.245	5.867	22.740
2378		0.316	0.137	50.000	1.875	1.922	-5.747	-11.261	5.858	20.970
2379		0.300	0.153	45.000	1.687	1.730	-5.764	-11.277	5.848	19.364
2380		0.284	0.169	40.000	1.500	1.537	-5.782	-11.294	5.838	17.808
2381		0.267	0.186	35.000	1.312	1.345	-5.804	-11.310	5.828	16.002
2382		0.250	0.204	30.000	1.125	1.153	-5.830	-11.326	5.816	14.311
2383		0.231	0.223	25.000	0.937	0.961	-5.863	-11.342	5.804	12.061
2384		0.210	0.243	20.000	0.750	0.769	-5.908	-11.358	5.791	9.876
2385		0.188	0.265	15.000	0.562	0.577	-5.977	-11.371	5.776	7.538
2386		0.162	0.291	10.000	0.375	0.384	-6.100	-11.367	5.758	5.144
2387		0.129	0.324	5.000	0.187	0.192	-6.390	-11.317	5.732	2.673
2388		0.028	0.425	0.100	0.004	0.004	-6.902	-11.259	5.657	0.043
2389		0.000	0.453	0.000	0.000	0.000	-7.003	-11.381	5.637	0.000
2390	ESPACIO VACIO 71	0.431	0.000	100.000	3.584	3.674	-6.107	0.000	5.997	0.000
2391		0.431	0.000	99.900	3.581	3.670	-6.107	0.000	5.997	653.823
2392		0.425	0.006	95.000	3.405	3.490	-6.117	0.000	5.992	624.137
2393		0.418	0.013	90.000	3.226	3.307	-6.127	0.000	5.987	595.705
2394		0.412	0.019	85.000	3.047	3.123	-6.137	0.000	5.982	566.818
2395		0.405	0.026	80.000	2.867	2.939	-6.146	0.000	5.977	537.917
2396		0.398	0.033	75.000	2.688	2.755	-6.156	0.000	5.971	483.007
2397		0.390	0.041	70.000	2.509	2.572	-6.166	0.000	5.965	448.866

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
2398		0.382	0.049	65.000	2.330	2.388	-6.176	0.000	5.959	419.998
2399		0.374	0.057	60.000	2.151	2.204	-6.187	0.000	5.953	397.852
2400		0.365	0.066	55.000	1.971	2.021	-6.198	0.000	5.946	375.697
2401		0.356	0.075	50.000	1.792	1.837	-6.210	0.000	5.938	330.568
2402		0.346	0.085	45.000	1.613	1.653	-6.224	0.000	5.930	298.188
2403		0.336	0.095	40.000	1.434	1.470	-6.240	0.000	5.922	271.276
2404		0.324	0.107	35.000	1.255	1.286	-6.259	0.000	5.912	229.006
2405		0.311	0.119	30.000	1.075	1.102	-6.286	0.000	5.901	190.129
2406		0.297	0.134	25.000	0.896	0.918	-6.324	0.000	5.889	145.479
2407		0.280	0.151	20.000	0.717	0.735	-6.380	0.000	5.874	106.856
2408		0.258	0.173	15.000	0.538	0.551	-6.457	0.000	5.856	69.249
2409		0.229	0.201	10.000	0.358	0.367	-6.545	0.000	5.832	33.805
2410		0.183	0.248	5.000	0.179	0.184	-6.642	0.000	5.796	4.814
2411		0.047	0.384	0.100	0.004	0.004	-6.908	0.000	5.694	0.014
2412		0.000	0.431	0.000	0.000	0.000	-7.003	0.000	5.659	0.000
2413	ESPACIO VACIO 72	0.453	0.000	100.000	3.750	3.844	-5.641	11.137	5.941	0.000
2414		0.453	0.000	99.900	3.746	3.840	-5.641	11.137	5.941	33.482
2415		0.440	0.013	95.000	3.562	3.652	-5.648	11.145	5.933	33.222
2416		0.427	0.026	90.000	3.375	3.459	-5.656	11.154	5.926	32.929
2417		0.414	0.039	85.000	3.187	3.267	-5.665	11.165	5.918	32.097
2418		0.401	0.052	80.000	3.000	3.075	-5.675	11.176	5.910	30.660
2419		0.388	0.065	75.000	2.812	2.883	-5.685	11.189	5.902	29.051
2420		0.374	0.079	70.000	2.625	2.691	-5.696	11.202	5.893	27.574
2421		0.360	0.093	65.000	2.437	2.498	-5.707	11.216	5.885	25.822
2422		0.346	0.107	60.000	2.250	2.306	-5.719	11.230	5.876	24.214
2423		0.331	0.122	55.000	2.062	2.114	-5.733	11.245	5.867	22.740
2424		0.316	0.137	50.000	1.875	1.922	-5.747	11.261	5.858	20.970
2425		0.300	0.153	45.000	1.687	1.730	-5.764	11.277	5.848	19.364
2426		0.284	0.169	40.000	1.500	1.537	-5.782	11.294	5.838	17.808
2427		0.267	0.186	35.000	1.312	1.345	-5.804	11.310	5.828	16.002
2428		0.250	0.204	30.000	1.125	1.153	-5.830	11.326	5.816	14.311
2429		0.231	0.223	25.000	0.937	0.961	-5.863	11.342	5.804	12.061
2430		0.210	0.243	20.000	0.750	0.769	-5.908	11.358	5.791	9.876
2431		0.188	0.265	15.000	0.562	0.577	-5.977	11.371	5.776	7.538
2432		0.162	0.291	10.000	0.375	0.384	-6.100	11.367	5.758	5.144
2433		0.129	0.324	5.000	0.187	0.192	-6.390	11.317	5.732	2.673
2434		0.028	0.425	0.100	0.004	0.004	-6.902	11.259	5.657	0.043
2435		0.000	0.453	0.000	0.000	0.000	-7.003	11.381	5.637	0.000
2436	ESPACIO VACIO 73	3.440	0.000	100.000	104.120	106.723	147.226	-6.011	8.237	0.000
2437		3.438	0.002	99.900	104.016	106.616	147.225	-6.010	8.236	221.114
2438		3.341	0.099	95.000	98.914	101.387	147.214	-5.959	8.172	206.659
2439		3.239	0.201	90.000	93.708	96.051	147.201	-5.906	8.105	191.963
2440		3.135	0.305	85.000	88.502	90.714	147.188	-5.851	8.036	177.635
2441		3.027	0.413	80.000	83.296	85.378	147.174	-5.794	7.965	163.686
2442		2.917	0.523	75.000	78.090	80.042	147.158	-5.736	7.892	150.126
2443		2.802	0.638	70.000	72.884	74.706	147.142	-5.676	7.816	136.965
2444		2.684	0.756	65.000	67.678	69.370	147.124	-5.613	7.738	124.205

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
2445		2.561	0.879	60.000	62.472	64.034	147.104	-5.548	7.656	111.763
2446		2.433	1.007	55.000	57.266	58.698	147.082	-5.481	7.572	99.507
2447		2.299	1.141	50.000	52.060	53.361	147.058	-5.411	7.483	87.321
2448		2.158	1.282	45.000	46.854	48.025	147.032	-5.338	7.390	75.564
2449		2.008	1.432	40.000	41.648	42.689	147.003	-5.262	7.292	64.376
2450		1.849	1.591	35.000	36.442	37.353	146.969	-5.183	7.189	53.787
2451		1.677	1.763	30.000	31.236	32.017	146.931	-5.101	7.078	43.877
2452		1.491	1.949	25.000	26.030	26.681	146.886	-5.014	6.958	34.853
2453		1.285	2.155	20.000	20.824	21.345	146.832	-4.921	6.828	26.542
2454		1.052	2.388	15.000	15.618	16.008	146.766	-4.823	6.683	18.947
2455		0.781	2.659	10.000	10.412	10.672	146.681	-4.720	6.520	12.520
2456		0.449	2.991	5.000	5.206	5.336	146.564	-4.607	6.328	7.067
2457		0.011	3.429	0.100	0.104	0.107	146.375	-4.487	6.095	3.064
2458		0.000	3.440	0.000	0.000	0.000	146.371	-4.485	6.090	0.000
2459	ESPACIO VACIO 74	3.440	0.000	100.000	103.821	106.416	149.865	0.000	7.810	0.000
2460		3.437	0.003	99.900	103.717	106.310	149.865	0.000	7.808	150.207
2461		3.268	0.172	95.000	98.630	101.095	149.865	0.000	7.724	150.207
2462		3.096	0.344	90.000	93.438	95.774	149.865	0.000	7.638	150.207
2463		2.924	0.516	85.000	88.247	90.454	149.865	0.000	7.552	150.207
2464		2.752	0.688	80.000	83.056	85.133	149.865	0.000	7.466	150.207
2465		2.580	0.860	75.000	77.865	79.812	149.865	0.000	7.380	150.207
2466		2.408	1.032	70.000	72.674	74.491	149.865	0.000	7.294	150.207
2467		2.236	1.204	65.000	67.483	69.170	149.865	0.000	7.208	150.207
2468		2.064	1.376	60.000	62.292	63.850	149.865	0.000	7.122	150.207
2469		1.892	1.548	55.000	57.101	58.529	149.865	0.000	7.036	150.207
2470		1.720	1.720	50.000	51.910	53.208	149.865	0.000	6.950	150.207
2471		1.548	1.892	45.000	46.719	47.887	149.865	0.000	6.864	150.207
2472		1.376	2.064	40.000	41.528	42.566	149.865	0.000	6.778	150.207
2473		1.204	2.236	35.000	36.337	37.246	149.865	0.000	6.692	150.207
2474		1.032	2.408	30.000	31.146	31.925	149.865	0.000	6.606	150.207
2475		0.860	2.580	25.000	25.955	26.604	149.865	0.000	6.520	150.207
2476		0.688	2.752	20.000	20.764	21.283	149.865	0.000	6.434	150.207
2477		0.516	2.924	15.000	15.573	15.962	149.865	0.000	6.348	150.207
2478		0.344	3.096	10.000	10.382	10.642	149.865	0.000	6.262	150.207
2479		0.172	3.268	5.000	5.191	5.321	149.865	0.000	6.176	150.207
2480		0.003	3.437	0.100	0.104	0.106	149.865	0.000	6.092	150.207
2481		0.000	3.440	0.000	0.000	0.000	149.865	0.000	6.090	0.000
2482	ESPACIO VACIO 75	3.440	0.000	100.000	104.120	106.723	147.226	6.011	8.237	0.000
2483		3.438	0.002	99.900	104.016	106.616	147.225	6.010	8.236	221.114
2484		3.341	0.099	95.000	98.914	101.387	147.214	5.959	8.172	206.659
2485		3.239	0.201	90.000	93.708	96.051	147.201	5.906	8.105	191.963
2486		3.135	0.305	85.000	88.502	90.714	147.188	5.851	8.036	177.635
2487		3.027	0.413	80.000	83.296	85.378	147.174	5.794	7.965	163.686
2488		2.917	0.523	75.000	78.090	80.042	147.158	5.736	7.892	150.126
2489		2.802	0.638	70.000	72.884	74.706	147.142	5.676	7.816	136.965
2490		2.684	0.756	65.000	67.678	69.370	147.124	5.613	7.738	124.205
2491		2.561	0.879	60.000	62.472	64.034	147.104	5.548	7.656	111.763

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
2492		2.433	1.007	55.000	57.266	58.698	147.082	5.481	7.572	99.507
2493		2.299	1.141	50.000	52.060	53.361	147.058	5.411	7.483	87.321
2494		2.158	1.282	45.000	46.854	48.025	147.032	5.338	7.390	75.564
2495		2.008	1.432	40.000	41.648	42.689	147.003	5.262	7.292	64.376
2496		1.849	1.591	35.000	36.442	37.353	146.969	5.183	7.189	53.787
2497		1.677	1.763	30.000	31.236	32.017	146.931	5.101	7.078	43.877
2498		1.491	1.949	25.000	26.030	26.681	146.886	5.014	6.958	34.853
2499		1.285	2.155	20.000	20.824	21.345	146.832	4.921	6.828	26.542
2500		1.052	2.388	15.000	15.618	16.008	146.766	4.823	6.683	18.947
2501		0.781	2.659	10.000	10.412	10.672	146.681	4.720	6.520	12.520
2502		0.449	2.991	5.000	5.206	5.336	146.564	4.607	6.328	7.067
2503		0.011	3.429	0.100	0.104	0.107	146.375	4.487	6.095	3.064
2504		0.000	3.440	0.000	0.000	0.000	146.371	4.485	6.090	0.000
2505	AGUA DULCE 2	3.440	0.000	100.000	103.820	103.820	145.595	0.000	7.810	0.000
2506		3.400	0.040	98.837	102.613	102.613	145.595	0.000	7.790	146.543
2507		3.371	0.069	98.000	101.744	101.744	145.595	0.000	7.776	146.543
2508		3.368	0.072	97.900	101.640	101.640	145.595	0.000	7.774	146.543
2509		3.200	0.240	93.023	96.577	96.577	145.595	0.000	7.690	146.543
2510		3.000	0.440	87.209	90.541	90.541	145.595	0.000	7.590	146.543
2511		2.800	0.640	81.395	84.505	84.505	145.595	0.000	7.490	146.543
2512		2.600	0.840	75.581	78.469	78.469	145.595	0.000	7.390	146.543
2513		2.400	1.040	69.767	72.433	72.433	145.595	0.000	7.290	146.543
2514		2.200	1.240	63.953	66.397	66.397	145.595	0.000	7.190	146.543
2515		2.000	1.440	58.140	60.361	60.361	145.595	0.000	7.090	146.543
2516		1.800	1.640	52.326	54.325	54.325	145.595	0.000	6.990	146.543
2517		1.600	1.840	46.512	48.288	48.288	145.595	0.000	6.890	146.543
2518		1.400	2.040	40.698	42.252	42.252	145.595	0.000	6.790	146.543
2519		1.200	2.240	34.884	36.216	36.216	145.595	0.000	6.690	146.543
2520		1.000	2.440	29.070	30.180	30.180	145.595	0.000	6.590	146.543
2521		0.800	2.640	23.256	24.144	24.144	145.595	0.000	6.490	146.543
2522		0.600	2.840	17.442	18.108	18.108	145.595	0.000	6.390	146.543
2523		0.400	3.040	11.628	12.072	12.072	145.595	0.000	6.290	146.543
2524		0.200	3.240	5.814	6.036	6.036	145.595	0.000	6.190	146.543
2525		0.034	3.406	1.000	1.038	1.038	145.595	0.000	6.107	146.543
2526		0.000	3.440	0.000	0.000	0.000	145.595	0.000	6.090	0.000
2527	ESPACIO VACIO 76	3.440	0.000	100.000	236.877	242.799	130.260	-7.489	7.942	0.000
2528		3.437	0.003	99.900	236.640	242.556	130.260	-7.489	7.940	857.271
2529		3.295	0.145	95.000	225.033	230.659	130.256	-7.450	7.862	838.488
2530		3.148	0.292	90.000	213.189	218.519	130.253	-7.409	7.781	817.239
2531		3.001	0.439	85.000	201.345	206.379	130.249	-7.366	7.700	794.371
2532		2.851	0.589	80.000	189.502	194.239	130.245	-7.321	7.618	769.876
2533		2.700	0.740	75.000	177.658	182.099	130.241	-7.274	7.534	743.552
2534		2.547	0.893	70.000	165.814	169.959	130.237	-7.224	7.450	715.580
2535		2.392	1.048	65.000	153.970	157.819	130.233	-7.172	7.365	685.657
2536		2.235	1.205	60.000	142.126	145.679	130.228	-7.118	7.278	654.371
2537		2.075	1.365	55.000	130.282	133.539	130.223	-7.062	7.190	622.105
2538		1.911	1.529	50.000	118.439	121.399	130.219	-7.002	7.101	588.721

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
2539		1.745	1.695	45.000	106.595	109.259	130.214	-6.940	7.010	554.198
2540		1.575	1.865	40.000	94.751	97.120	130.209	-6.875	6.918	518.241
2541		1.401	2.039	35.000	82.907	84.980	130.203	-6.806	6.823	481.493
2542		1.222	2.218	30.000	71.063	72.840	130.197	-6.735	6.727	444.158
2543		1.038	2.402	25.000	59.219	60.700	130.192	-6.659	6.628	405.980
2544		0.847	2.593	20.000	47.375	48.560	130.185	-6.580	6.527	366.790
2545		0.650	2.790	15.000	35.532	36.420	130.179	-6.496	6.423	327.783
2546		0.444	2.996	10.000	23.688	24.280	130.172	-6.408	6.316	288.814
2547		0.228	3.212	5.000	11.844	12.140	130.165	-6.315	6.205	249.850
2548		0.005	3.435	0.100	0.237	0.243	130.157	-6.219	6.092	212.772
2549		0.000	3.440	0.000	0.000	0.000	130.157	-6.217	6.090	0.000
2550	ESPACIO VACIO 77	3.440	0.000	100.000	236.877	242.799	130.260	7.489	7.942	0.000
2551		3.437	0.003	99.900	236.640	242.556	130.260	7.489	7.940	857.270
2552		3.295	0.145	95.000	225.033	230.659	130.256	7.450	7.862	838.488
2553		3.148	0.292	90.000	213.189	218.519	130.253	7.409	7.781	817.239
2554		3.001	0.439	85.000	201.345	206.379	130.249	7.366	7.700	794.371
2555		2.851	0.589	80.000	189.502	194.239	130.245	7.321	7.618	769.876
2556		2.700	0.740	75.000	177.658	182.099	130.241	7.274	7.534	743.552
2557		2.547	0.893	70.000	165.814	169.959	130.237	7.224	7.450	715.580
2558		2.392	1.048	65.000	153.970	157.819	130.233	7.172	7.365	685.657
2559		2.235	1.205	60.000	142.126	145.679	130.228	7.118	7.278	654.371
2560		2.075	1.365	55.000	130.282	133.539	130.223	7.062	7.190	622.105
2561		1.911	1.529	50.000	118.438	121.399	130.219	7.002	7.101	588.720
2562		1.745	1.695	45.000	106.595	109.259	130.214	6.940	7.010	554.198
2563		1.575	1.865	40.000	94.751	97.120	130.209	6.875	6.918	518.241
2564		1.401	2.039	35.000	82.907	84.980	130.203	6.806	6.823	481.493
2565		1.222	2.218	30.000	71.063	72.840	130.197	6.735	6.727	444.158
2566		1.038	2.402	25.000	59.219	60.700	130.192	6.659	6.628	405.980
2567		0.847	2.593	20.000	47.375	48.560	130.185	6.580	6.527	366.790
2568		0.650	2.790	15.000	35.532	36.420	130.179	6.496	6.423	327.783
2569		0.444	2.996	10.000	23.688	24.280	130.172	6.408	6.316	288.814
2570		0.228	3.212	5.000	11.844	12.140	130.165	6.315	6.205	249.850
2571		0.005	3.435	0.100	0.237	0.243	130.157	6.219	6.092	212.772
2572		0.000	3.440	0.000	0.000	0.000	130.157	6.217	6.090	0.000
2573	ESPACIO VACIO 78	3.440	0.000	100.000	235.570	241.459	122.029	-9.027	7.891	0.000
2574		3.437	0.003	99.900	235.335	241.218	122.029	-9.026	7.889	574.253
2575		3.283	0.157	95.000	223.792	229.386	122.025	-9.008	7.809	572.742
2576		3.125	0.315	90.000	212.013	217.313	122.021	-8.987	7.726	569.792
2577		2.967	0.473	85.000	200.235	205.240	122.017	-8.965	7.644	565.327
2578		2.809	0.631	80.000	188.456	193.167	122.012	-8.940	7.560	559.405
2579		2.650	0.790	75.000	176.678	181.095	122.007	-8.914	7.476	552.006
2580		2.490	0.950	70.000	164.899	169.022	122.003	-8.886	7.392	543.111
2581		2.329	1.111	65.000	153.121	156.949	121.998	-8.855	7.306	532.222
2582		2.167	1.273	60.000	141.342	144.876	121.993	-8.822	7.220	518.757
2583		2.004	1.436	55.000	129.564	132.803	121.988	-8.787	7.133	503.220
2584		1.838	1.602	50.000	117.785	120.730	121.983	-8.749	7.046	486.483
2585		1.671	1.769	45.000	106.007	108.657	121.977	-8.710	6.957	468.674

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
2586		1.501	1.939	40.000	94.228	96.584	121.971	-8.667	6.867	449.189
2587		1.328	2.112	35.000	82.450	84.511	121.965	-8.622	6.776	427.598
2588		1.153	2.287	30.000	70.671	72.438	121.959	-8.574	6.683	404.798
2589		0.973	2.467	25.000	58.893	60.365	121.952	-8.523	6.590	381.127
2590		0.790	2.650	20.000	47.114	48.292	121.944	-8.468	6.494	356.014
2591		0.602	2.838	15.000	35.336	36.219	121.937	-8.409	6.396	328.944
2592		0.408	3.032	10.000	23.557	24.146	121.928	-8.347	6.297	301.021
2593		0.208	3.232	5.000	11.778	12.073	121.919	-8.280	6.195	272.029
2594		0.004	3.436	0.100	0.236	0.241	121.910	-8.209	6.092	242.178
2595		0.000	3.440	0.000	0.000	0.000	121.910	-8.207	6.090	0.000
2596	ESPACIO VACIO 79	3.440	0.000	100.000	235.570	241.459	122.029	9.027	7.891	0.000
2597		3.437	0.003	99.900	235.335	241.218	122.029	9.026	7.889	574.253
2598		3.283	0.157	95.000	223.792	229.386	122.025	9.008	7.809	572.742
2599		3.125	0.315	90.000	212.013	217.313	122.021	8.987	7.726	569.792
2600		2.967	0.473	85.000	200.235	205.240	122.017	8.965	7.644	565.327
2601		2.809	0.631	80.000	188.456	193.167	122.012	8.940	7.560	559.404
2602		2.650	0.790	75.000	176.678	181.095	122.007	8.914	7.476	552.006
2603		2.490	0.950	70.000	164.899	169.022	122.003	8.886	7.392	543.111
2604		2.329	1.111	65.000	153.121	156.949	121.998	8.855	7.306	532.221
2605		2.167	1.273	60.000	141.342	144.876	121.993	8.822	7.220	518.756
2606		2.004	1.436	55.000	129.564	132.803	121.988	8.787	7.133	503.220
2607		1.838	1.602	50.000	117.785	120.730	121.983	8.749	7.046	486.483
2608		1.671	1.769	45.000	106.007	108.657	121.977	8.710	6.957	468.674
2609		1.501	1.939	40.000	94.228	96.584	121.971	8.667	6.867	449.189
2610		1.328	2.112	35.000	82.450	84.511	121.965	8.622	6.776	427.598
2611		1.153	2.287	30.000	70.671	72.438	121.959	8.574	6.683	404.798
2612		0.973	2.467	25.000	58.893	60.365	121.952	8.523	6.590	381.127
2613		0.790	2.650	20.000	47.114	48.292	121.944	8.468	6.494	356.014
2614		0.602	2.838	15.000	35.336	36.219	121.937	8.409	6.396	328.944
2615		0.408	3.032	10.000	23.557	24.146	121.928	8.347	6.297	301.021
2616		0.208	3.232	5.000	11.778	12.073	121.919	8.280	6.195	272.029
2617		0.004	3.436	0.100	0.236	0.241	121.910	8.209	6.092	242.178
2618		0.000	3.440	0.000	0.000	0.000	121.910	8.207	6.090	0.000
2619	ESPACIO VACIO 80	3.440	0.000	100.000	193.065	197.892	113.535	-10.385	7.840	0.000
2620		3.437	0.003	99.900	192.872	197.694	113.535	-10.385	7.838	259.979
2621		3.272	0.168	95.000	183.412	187.997	113.533	-10.381	7.755	259.979
2622		3.104	0.336	90.000	173.758	178.102	113.531	-10.376	7.671	259.979
2623		2.937	0.503	85.000	164.105	168.208	113.529	-10.371	7.586	259.979
2624		2.769	0.671	80.000	154.452	158.313	113.526	-10.365	7.501	259.979
2625		2.601	0.839	75.000	144.799	148.419	113.524	-10.358	7.416	259.979
2626		2.433	1.007	70.000	135.145	138.524	113.520	-10.350	7.331	259.979
2627		2.265	1.175	65.000	125.492	128.630	113.516	-10.342	7.246	259.972
2628		2.097	1.343	60.000	115.839	118.735	113.512	-10.331	7.161	259.721
2629		1.929	1.511	55.000	106.186	108.840	113.507	-10.319	7.075	258.841
2630		1.761	1.679	50.000	96.532	98.946	113.502	-10.306	6.989	257.066
2631		1.592	1.848	45.000	86.879	89.051	113.496	-10.290	6.902	254.403
2632		1.423	2.017	40.000	77.226	79.157	113.490	-10.273	6.815	250.924

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
2633		1.253	2.187	35.000	67.573	69.262	113.484	-10.253	6.728	246.439
2634		1.081	2.359	30.000	57.920	59.367	113.478	-10.230	6.640	240.532
2635		0.908	2.532	25.000	48.266	49.473	113.472	-10.205	6.551	233.113
2636		0.732	2.708	20.000	38.613	39.578	113.466	-10.178	6.461	224.344
2637		0.554	2.886	15.000	28.960	29.684	113.460	-10.148	6.370	214.773
2638		0.373	3.067	10.000	19.306	19.789	113.453	-10.116	6.278	203.949
2639		0.189	3.251	5.000	9.653	9.895	113.446	-10.080	6.185	191.964
2640		0.004	3.436	0.100	0.193	0.198	113.439	-10.043	6.092	179.363
2641		0.000	3.440	0.000	0.000	0.000	113.439	-10.042	6.090	0.000
2642	ESPACIO VACIO 81	3.440	0.000	100.000	193.065	197.892	113.535	10.385	7.840	0.000
2643		3.437	0.003	99.900	192.872	197.694	113.535	10.385	7.838	259.979
2644		3.272	0.168	95.000	183.412	187.997	113.533	10.381	7.755	259.979
2645		3.104	0.336	90.000	173.758	178.102	113.531	10.376	7.671	259.979
2646		2.937	0.503	85.000	164.105	168.208	113.529	10.371	7.586	259.979
2647		2.769	0.671	80.000	154.452	158.313	113.526	10.365	7.501	259.979
2648		2.601	0.839	75.000	144.799	148.419	113.524	10.358	7.416	259.979
2649		2.433	1.007	70.000	135.145	138.524	113.520	10.350	7.331	259.979
2650		2.265	1.175	65.000	125.492	128.630	113.516	10.342	7.246	259.972
2651		2.097	1.343	60.000	115.839	118.735	113.512	10.331	7.161	259.721
2652		1.929	1.511	55.000	106.186	108.840	113.507	10.319	7.075	258.841
2653		1.761	1.679	50.000	96.532	98.946	113.502	10.306	6.989	257.066
2654		1.592	1.848	45.000	86.879	89.051	113.496	10.290	6.902	254.403
2655		1.423	2.017	40.000	77.226	79.157	113.490	10.273	6.815	250.923
2656		1.253	2.187	35.000	67.573	69.262	113.484	10.253	6.728	246.439
2657		1.081	2.359	30.000	57.919	59.367	113.478	10.230	6.640	240.532
2658		0.908	2.532	25.000	48.266	49.473	113.472	10.205	6.551	233.113
2659		0.732	2.708	20.000	38.613	39.578	113.466	10.178	6.461	224.343
2660		0.554	2.886	15.000	28.960	29.684	113.460	10.148	6.370	214.773
2661		0.373	3.067	10.000	19.306	19.789	113.453	10.116	6.278	203.949
2662		0.189	3.251	5.000	9.653	9.895	113.446	10.080	6.185	191.964
2663		0.004	3.436	0.100	0.193	0.198	113.439	10.043	6.092	179.363
2664		0.000	3.440	0.000	0.000	0.000	113.439	10.042	6.090	0.000
2665	ESPACIO VACIO 82	3.440	0.000	100.000	167.324	171.507	105.031	-11.001	7.812	0.000
2666		3.437	0.003	99.900	167.156	171.335	105.031	-11.001	7.810	158.167
2667		3.268	0.172	95.000	158.957	162.931	105.031	-11.001	7.726	158.167
2668		3.096	0.344	90.000	150.591	154.356	105.031	-11.001	7.640	158.167
2669		2.925	0.515	85.000	142.225	145.781	105.031	-11.001	7.554	158.167
2670		2.753	0.687	80.000	133.859	137.205	105.030	-11.000	7.468	158.167
2671		2.581	0.859	75.000	125.493	128.630	105.030	-11.000	7.382	158.167
2672		2.409	1.031	70.000	117.126	120.055	105.030	-11.000	7.296	158.167
2673		2.238	1.202	65.000	108.760	111.479	105.029	-10.999	7.211	158.167
2674		2.066	1.374	60.000	100.394	102.904	105.029	-10.999	7.125	158.167
2675		1.894	1.546	55.000	92.028	94.329	105.028	-10.998	7.039	158.167
2676		1.722	1.718	50.000	83.662	85.753	105.028	-10.998	6.953	158.167
2677		1.550	1.890	45.000	75.296	77.178	105.027	-10.997	6.867	158.167
2678		1.379	2.061	40.000	66.929	68.603	105.026	-10.996	6.781	158.167
2679		1.207	2.233	35.000	58.563	60.027	105.024	-10.994	6.695	158.167

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
2680		1.035	2.405	30.000	50.197	51.452	105.023	-10.993	6.609	158.167
2681		0.863	2.577	25.000	41.831	42.877	105.020	-10.990	6.523	158.167
2682		0.691	2.749	20.000	33.465	34.301	105.017	-10.987	6.437	157.924
2683		0.519	2.921	15.000	25.099	25.726	105.012	-10.982	6.350	157.138
2684		0.347	3.093	10.000	16.732	17.151	105.007	-10.976	6.264	155.794
2685		0.174	3.266	5.000	8.366	8.575	105.000	-10.968	6.177	153.840
2686		0.003	3.437	0.100	0.167	0.172	104.993	-10.958	6.092	151.033
2687		0.000	3.440	0.000	0.000	0.000	104.993	-10.958	6.090	0.000
2688	ESPACIO VACIO 83	3.440	0.000	100.000	167.324	171.507	105.031	11.001	7.812	0.000
2689		3.437	0.003	99.900	167.156	171.335	105.031	11.001	7.810	158.167
2690		3.268	0.172	95.000	158.957	162.931	105.031	11.001	7.726	158.167
2691		3.096	0.344	90.000	150.591	154.356	105.031	11.001	7.640	158.167
2692		2.925	0.515	85.000	142.225	145.781	105.031	11.001	7.554	158.167
2693		2.753	0.687	80.000	133.859	137.205	105.030	11.000	7.468	158.167
2694		2.581	0.859	75.000	125.493	128.630	105.030	11.000	7.382	158.167
2695		2.409	1.031	70.000	117.126	120.055	105.030	11.000	7.296	158.167
2696		2.238	1.202	65.000	108.760	111.479	105.029	10.999	7.211	158.167
2697		2.066	1.374	60.000	100.394	102.904	105.029	10.999	7.125	158.167
2698		1.894	1.546	55.000	92.028	94.329	105.028	10.998	7.039	158.167
2699		1.722	1.718	50.000	83.662	85.753	105.028	10.998	6.953	158.167
2700		1.550	1.890	45.000	75.296	77.178	105.027	10.997	6.867	158.167
2701		1.379	2.061	40.000	66.929	68.603	105.026	10.996	6.781	158.167
2702		1.207	2.233	35.000	58.563	60.027	105.024	10.994	6.695	158.167
2703		1.035	2.405	30.000	50.197	51.452	105.023	10.993	6.609	158.167
2704		0.863	2.577	25.000	41.831	42.877	105.020	10.990	6.523	158.167
2705		0.691	2.749	20.000	33.465	34.301	105.017	10.987	6.437	157.924
2706		0.519	2.921	15.000	25.099	25.726	105.012	10.982	6.350	157.138
2707		0.347	3.093	10.000	16.732	17.151	105.007	10.976	6.264	155.794
2708		0.174	3.266	5.000	8.366	8.575	105.000	10.968	6.177	153.840
2709		0.003	3.437	0.100	0.167	0.172	104.993	10.958	6.092	151.033
2710		0.000	3.440	0.000	0.000	0.000	104.993	10.958	6.090	0.000
2711	TANQUE ANTIESCORRA 1	3.440	0.000	100.000	155.075	158.952	96.495	-11.235	7.810	0.000
2712		3.400	0.040	98.837	153.271	157.103	96.495	-11.235	7.790	124.850
2713		3.371	0.069	98.000	151.973	155.773	96.495	-11.235	7.776	124.850
2714		3.368	0.072	97.900	151.818	155.614	96.495	-11.235	7.774	124.850
2715		3.200	0.240	93.023	144.256	147.862	96.495	-11.235	7.690	124.850
2716		3.000	0.440	87.209	135.240	138.621	96.495	-11.235	7.590	124.850
2717		2.800	0.640	81.395	126.224	129.379	96.495	-11.235	7.490	124.850
2718		2.600	0.840	75.581	117.208	120.138	96.495	-11.235	7.390	124.850
2719		2.400	1.040	69.767	108.192	110.896	96.495	-11.235	7.290	124.850
2720		2.200	1.240	63.953	99.176	101.655	96.495	-11.235	7.190	124.850
2721		2.000	1.440	58.140	90.160	92.414	96.495	-11.235	7.090	124.850
2722		1.800	1.640	52.326	81.144	83.172	96.495	-11.235	6.990	124.850
2723		1.600	1.840	46.512	72.128	73.931	96.495	-11.235	6.890	124.850
2724		1.400	2.040	40.698	63.112	64.690	96.495	-11.235	6.790	124.850
2725		1.200	2.240	34.884	54.096	55.448	96.495	-11.235	6.690	124.850
2726		1.000	2.440	29.070	45.080	46.207	96.495	-11.235	6.590	124.850

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m ³	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
2727		0.800	2.640	23.256	36.064	36.965	96.495	-11.235	6.490	124.850
2728		0.600	2.840	17.442	27.048	27.724	96.495	-11.235	6.390	124.850
2729		0.400	3.040	11.628	18.032	18.483	96.495	-11.235	6.290	124.850
2730		0.200	3.240	5.814	9.016	9.241	96.495	-11.235	6.190	124.850
2731		0.034	3.406	1.000	1.551	1.590	96.495	-11.235	6.107	124.850
2732		0.000	3.440	0.000	0.000	0.000	96.495	-11.235	6.090	0.000
2733	TANQUE ANTIESCORRA 2	3.440	0.000	100.000	155.075	158.952	96.495	11.235	7.810	0.000
2734		3.400	0.040	98.837	153.271	157.103	96.495	11.235	7.790	124.850
2735		3.371	0.069	98.000	151.973	155.773	96.495	11.235	7.776	124.850
2736		3.368	0.072	97.900	151.818	155.614	96.495	11.235	7.774	124.850
2737		3.200	0.240	93.023	144.256	147.862	96.495	11.235	7.690	124.850
2738		3.000	0.440	87.209	135.240	138.621	96.495	11.235	7.590	124.850
2739		2.800	0.640	81.395	126.224	129.379	96.495	11.235	7.490	124.850
2740		2.600	0.840	75.581	117.208	120.138	96.495	11.235	7.390	124.850
2741		2.400	1.040	69.767	108.192	110.896	96.495	11.235	7.290	124.850
2742		2.200	1.240	63.953	99.176	101.655	96.495	11.235	7.190	124.850
2743		2.000	1.440	58.140	90.160	92.414	96.495	11.235	7.090	124.850
2744		1.800	1.640	52.326	81.144	83.172	96.495	11.235	6.990	124.850
2745		1.600	1.840	46.512	72.128	73.931	96.495	11.235	6.890	124.850
2746		1.400	2.040	40.698	63.112	64.690	96.495	11.235	6.790	124.850
2747		1.200	2.240	34.884	54.096	55.448	96.495	11.235	6.690	124.850
2748		1.000	2.440	29.070	45.080	46.207	96.495	11.235	6.590	124.850
2749		0.800	2.640	23.256	36.064	36.965	96.495	11.235	6.490	124.850
2750		0.600	2.840	17.442	27.048	27.724	96.495	11.235	6.390	124.850
2751		0.400	3.040	11.628	18.032	18.483	96.495	11.235	6.290	124.850
2752		0.200	3.240	5.814	9.016	9.241	96.495	11.235	6.190	124.850
2753		0.034	3.406	1.000	1.551	1.590	96.495	11.235	6.107	124.850
2754		0.000	3.440	0.000	0.000	0.000	96.495	11.235	6.090	0.000
2755	ESPACIO VACIO 84	3.440	0.000	100.000	154.893	158.766	79.410	-11.235	7.810	0.000
2756		3.437	0.003	99.900	154.739	158.607	79.410	-11.235	7.808	124.704
2757		3.268	0.172	95.000	147.149	150.827	79.410	-11.235	7.724	124.704
2758		3.096	0.344	90.000	139.404	142.889	79.410	-11.235	7.638	124.704
2759		2.924	0.516	85.000	131.659	134.951	79.410	-11.235	7.552	124.704
2760		2.752	0.688	80.000	123.915	127.013	79.410	-11.235	7.466	124.704
2761		2.580	0.860	75.000	116.170	119.074	79.410	-11.235	7.380	124.704
2762		2.408	1.032	70.000	108.425	111.136	79.410	-11.235	7.294	124.704
2763		2.236	1.204	65.000	100.681	103.198	79.410	-11.235	7.208	124.704
2764		2.064	1.376	60.000	92.936	95.259	79.410	-11.235	7.122	124.704
2765		1.892	1.548	55.000	85.191	87.321	79.410	-11.235	7.036	124.704
2766		1.720	1.720	50.000	77.447	79.383	79.410	-11.235	6.950	124.704
2767		1.548	1.892	45.000	69.702	71.445	79.410	-11.235	6.864	124.704
2768		1.376	2.064	40.000	61.957	63.506	79.410	-11.235	6.778	124.704
2769		1.204	2.236	35.000	54.213	55.568	79.410	-11.235	6.692	124.704
2770		1.032	2.408	30.000	46.468	47.630	79.410	-11.235	6.606	124.704
2771		0.860	2.580	25.000	38.723	39.691	79.410	-11.235	6.520	124.704
2772		0.688	2.752	20.000	30.979	31.753	79.410	-11.235	6.434	124.704
2773		0.516	2.924	15.000	23.234	23.815	79.410	-11.235	6.348	124.704

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
2774		0.344	3.096	10.000	15.489	15.877	79.410	-11.235	6.262	124.704
2775		0.172	3.268	5.000	7.745	7.938	79.410	-11.235	6.176	124.704
2776		0.003	3.437	0.100	0.155	0.159	79.410	-11.235	6.092	124.704
2777		0.000	3.440	0.000	0.000	0.000	79.410	-11.235	6.090	0.000
2778	ESPACIO VACIO 85	3.440	0.000	100.000	154.893	158.766	79.410	11.235	7.810	0.000
2779		3.437	0.003	99.900	154.739	158.607	79.410	11.235	7.808	124.704
2780		3.268	0.172	95.000	147.149	150.827	79.410	11.235	7.724	124.704
2781		3.096	0.344	90.000	139.404	142.889	79.410	11.235	7.638	124.704
2782		2.924	0.516	85.000	131.659	134.951	79.410	11.235	7.552	124.704
2783		2.752	0.688	80.000	123.915	127.013	79.410	11.235	7.466	124.704
2784		2.580	0.860	75.000	116.170	119.074	79.410	11.235	7.380	124.704
2785		2.408	1.032	70.000	108.425	111.136	79.410	11.235	7.294	124.704
2786		2.236	1.204	65.000	100.681	103.198	79.410	11.235	7.208	124.704
2787		2.064	1.376	60.000	92.936	95.259	79.410	11.235	7.122	124.704
2788		1.892	1.548	55.000	85.191	87.321	79.410	11.235	7.036	124.704
2789		1.720	1.720	50.000	77.447	79.383	79.410	11.235	6.950	124.704
2790		1.548	1.892	45.000	69.702	71.445	79.410	11.235	6.864	124.704
2791		1.376	2.064	40.000	61.957	63.506	79.410	11.235	6.778	124.704
2792		1.204	2.236	35.000	54.213	55.568	79.410	11.235	6.692	124.704
2793		1.032	2.408	30.000	46.468	47.630	79.410	11.235	6.606	124.704
2794		0.860	2.580	25.000	38.723	39.691	79.410	11.235	6.520	124.704
2795		0.688	2.752	20.000	30.979	31.753	79.410	11.235	6.434	124.704
2796		0.516	2.924	15.000	23.234	23.815	79.410	11.235	6.348	124.704
2797		0.344	3.096	10.000	15.489	15.877	79.410	11.235	6.262	124.704
2798		0.172	3.268	5.000	7.745	7.938	79.410	11.235	6.176	124.704
2799		0.003	3.437	0.100	0.155	0.159	79.410	11.235	6.092	124.704
2800		0.000	3.440	0.000	0.000	0.000	79.410	11.235	6.090	0.000
2801	ESPACIO VACIO 86	3.440	0.000	100.000	154.893	158.766	70.870	-11.235	7.810	0.000
2802		3.437	0.003	99.900	154.739	158.607	70.870	-11.235	7.808	124.704
2803		3.268	0.172	95.000	147.149	150.827	70.870	-11.235	7.724	124.704
2804		3.096	0.344	90.000	139.404	142.889	70.870	-11.235	7.638	124.704
2805		2.924	0.516	85.000	131.659	134.951	70.870	-11.235	7.552	124.704
2806		2.752	0.688	80.000	123.915	127.013	70.870	-11.235	7.466	124.704
2807		2.580	0.860	75.000	116.170	119.074	70.870	-11.235	7.380	124.704
2808		2.408	1.032	70.000	108.425	111.136	70.870	-11.235	7.294	124.704
2809		2.236	1.204	65.000	100.681	103.198	70.870	-11.235	7.208	124.704
2810		2.064	1.376	60.000	92.936	95.259	70.870	-11.235	7.122	124.704
2811		1.892	1.548	55.000	85.191	87.321	70.870	-11.235	7.036	124.704
2812		1.720	1.720	50.000	77.447	79.383	70.870	-11.235	6.950	124.704
2813		1.548	1.892	45.000	69.702	71.445	70.870	-11.235	6.864	124.704
2814		1.376	2.064	40.000	61.957	63.506	70.870	-11.235	6.778	124.704
2815		1.204	2.236	35.000	54.213	55.568	70.870	-11.235	6.692	124.704
2816		1.032	2.408	30.000	46.468	47.630	70.870	-11.235	6.606	124.704
2817		0.860	2.580	25.000	38.723	39.691	70.870	-11.235	6.520	124.704
2818		0.688	2.752	20.000	30.979	31.753	70.870	-11.235	6.434	124.704
2819		0.516	2.924	15.000	23.234	23.815	70.870	-11.235	6.348	124.704
2820		0.344	3.096	10.000	15.489	15.877	70.870	-11.235	6.262	124.704

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
2821		0.172	3.268	5.000	7.745	7.938	70.870	-11.235	6.176	124.704
2822		0.003	3.437	0.100	0.155	0.159	70.870	-11.235	6.092	124.704
2823		0.000	3.440	0.000	0.000	0.000	70.870	-11.235	6.090	0.000
2824	ESPACIO VACIO 87	3.440	0.000	100.000	154.893	158.766	70.870	11.235	7.810	0.000
2825		3.437	0.003	99.900	154.739	158.607	70.870	11.235	7.808	124.704
2826		3.268	0.172	95.000	147.149	150.827	70.870	11.235	7.724	124.704
2827		3.096	0.344	90.000	139.404	142.889	70.870	11.235	7.638	124.704
2828		2.924	0.516	85.000	131.659	134.951	70.870	11.235	7.552	124.704
2829		2.752	0.688	80.000	123.915	127.013	70.870	11.235	7.466	124.704
2830		2.580	0.860	75.000	116.170	119.074	70.870	11.235	7.380	124.704
2831		2.408	1.032	70.000	108.425	111.136	70.870	11.235	7.294	124.704
2832		2.236	1.204	65.000	100.681	103.198	70.870	11.235	7.208	124.704
2833		2.064	1.376	60.000	92.936	95.259	70.870	11.235	7.122	124.704
2834		1.892	1.548	55.000	85.191	87.321	70.870	11.235	7.036	124.704
2835		1.720	1.720	50.000	77.447	79.383	70.870	11.235	6.950	124.704
2836		1.548	1.892	45.000	69.702	71.445	70.870	11.235	6.864	124.704
2837		1.376	2.064	40.000	61.957	63.506	70.870	11.235	6.778	124.704
2838		1.204	2.236	35.000	54.213	55.568	70.870	11.235	6.692	124.704
2839		1.032	2.408	30.000	46.468	47.630	70.870	11.235	6.606	124.704
2840		0.860	2.580	25.000	38.723	39.691	70.870	11.235	6.520	124.704
2841		0.688	2.752	20.000	30.979	31.753	70.870	11.235	6.434	124.704
2842		0.516	2.924	15.000	23.234	23.815	70.870	11.235	6.348	124.704
2843		0.344	3.096	10.000	15.489	15.877	70.870	11.235	6.262	124.704
2844		0.172	3.268	5.000	7.745	7.938	70.870	11.235	6.176	124.704
2845		0.003	3.437	0.100	0.155	0.159	70.870	11.235	6.092	124.704
2846		0.000	3.440	0.000	0.000	0.000	70.870	11.235	6.090	0.000
2847	ESPACIO VACIO 88	3.440	0.000	100.000	23.081	23.658	65.855	-10.830	7.810	0.000
2848		3.437	0.003	99.900	23.057	23.634	65.855	-10.830	7.808	13.554
2849		3.268	0.172	95.000	21.927	22.475	65.855	-10.830	7.724	13.554
2850		3.096	0.344	90.000	20.772	21.292	65.855	-10.830	7.638	13.554
2851		2.924	0.516	85.000	19.618	20.109	65.855	-10.830	7.552	13.554
2852		2.752	0.688	80.000	18.464	18.926	65.855	-10.830	7.466	13.554
2853		2.580	0.860	75.000	17.310	17.743	65.855	-10.830	7.380	13.554
2854		2.408	1.032	70.000	16.156	16.560	65.855	-10.830	7.294	13.554
2855		2.236	1.204	65.000	15.002	15.377	65.855	-10.830	7.208	13.554
2856		2.064	1.376	60.000	13.848	14.195	65.855	-10.830	7.122	13.554
2857		1.892	1.548	55.000	12.694	13.012	65.855	-10.830	7.036	13.554
2858		1.720	1.720	50.000	11.540	11.829	65.855	-10.830	6.950	13.554
2859		1.548	1.892	45.000	10.386	10.646	65.855	-10.830	6.864	13.554
2860		1.376	2.064	40.000	9.232	9.463	65.855	-10.830	6.778	13.554
2861		1.204	2.236	35.000	8.078	8.280	65.855	-10.830	6.692	13.554
2862		1.032	2.408	30.000	6.924	7.097	65.855	-10.830	6.606	13.554
2863		0.860	2.580	25.000	5.770	5.914	65.855	-10.830	6.520	13.554
2864		0.688	2.752	20.000	4.616	4.732	65.855	-10.830	6.434	13.554
2865		0.516	2.924	15.000	3.462	3.549	65.855	-10.830	6.348	13.554
2866		0.344	3.096	10.000	2.308	2.366	65.855	-10.830	6.262	13.554
2867		0.172	3.268	5.000	1.154	1.183	65.855	-10.830	6.176	13.554

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
2868		0.003	3.437	0.100	0.023	0.024	65.855	-10.830	6.092	13.554
2869		0.000	3.440	0.000	0.000	0.000	65.855	-10.830	6.090	0.000
2870	ESPACIO VACIO 89	3.440	0.000	100.000	22.606	23.171	62.330	-13.605	7.810	0.000
2871		3.437	0.003	99.900	22.583	23.148	62.330	-13.605	7.808	0.388
2872		3.268	0.172	95.000	21.476	22.013	62.330	-13.605	7.724	0.388
2873		3.096	0.344	90.000	20.345	20.854	62.330	-13.605	7.638	0.388
2874		2.924	0.516	85.000	19.215	19.696	62.330	-13.605	7.552	0.388
2875		2.752	0.688	80.000	18.085	18.537	62.330	-13.605	7.466	0.388
2876		2.580	0.860	75.000	16.955	17.378	62.330	-13.605	7.380	0.388
2877		2.408	1.032	70.000	15.824	16.220	62.330	-13.605	7.294	0.388
2878		2.236	1.204	65.000	14.694	15.061	62.330	-13.605	7.208	0.388
2879		2.064	1.376	60.000	13.564	13.903	62.330	-13.605	7.122	0.388
2880		1.892	1.548	55.000	12.433	12.744	62.330	-13.605	7.036	0.388
2881		1.720	1.720	50.000	11.303	11.586	62.330	-13.605	6.950	0.388
2882		1.548	1.892	45.000	10.173	10.427	62.330	-13.605	6.864	0.388
2883		1.376	2.064	40.000	9.042	9.268	62.330	-13.605	6.778	0.388
2884		1.204	2.236	35.000	7.912	8.110	62.330	-13.605	6.692	0.388
2885		1.032	2.408	30.000	6.782	6.951	62.330	-13.605	6.606	0.388
2886		0.860	2.580	25.000	5.652	5.793	62.330	-13.605	6.520	0.388
2887		0.688	2.752	20.000	4.521	4.634	62.330	-13.605	6.434	0.388
2888		0.516	2.924	15.000	3.391	3.476	62.330	-13.605	6.348	0.388
2889		0.344	3.096	10.000	2.261	2.317	62.330	-13.605	6.262	0.388
2890		0.172	3.268	5.000	1.130	1.159	62.330	-13.605	6.176	0.388
2891		0.003	3.437	0.100	0.023	0.023	62.330	-13.605	6.092	0.388
2892		0.000	3.440	0.000	0.000	0.000	62.330	-13.605	6.090	0.000
2893	ESPACIO VACIO 90	3.440	0.000	100.000	22.606	23.171	53.790	-13.605	7.810	0.000
2894		3.437	0.003	99.900	22.583	23.148	53.790	-13.605	7.808	0.388
2895		3.268	0.172	95.000	21.476	22.013	53.790	-13.605	7.724	0.388
2896		3.096	0.344	90.000	20.345	20.854	53.790	-13.605	7.638	0.388
2897		2.924	0.516	85.000	19.215	19.696	53.790	-13.605	7.552	0.388
2898		2.752	0.688	80.000	18.085	18.537	53.790	-13.605	7.466	0.388
2899		2.580	0.860	75.000	16.955	17.378	53.790	-13.605	7.380	0.388
2900		2.408	1.032	70.000	15.824	16.220	53.790	-13.605	7.294	0.388
2901		2.236	1.204	65.000	14.694	15.061	53.790	-13.605	7.208	0.388
2902		2.064	1.376	60.000	13.564	13.903	53.790	-13.605	7.122	0.388
2903		1.892	1.548	55.000	12.433	12.744	53.790	-13.605	7.036	0.388
2904		1.720	1.720	50.000	11.303	11.586	53.790	-13.605	6.950	0.388
2905		1.548	1.892	45.000	10.173	10.427	53.790	-13.605	6.864	0.388
2906		1.376	2.064	40.000	9.042	9.268	53.790	-13.605	6.778	0.388
2907		1.204	2.236	35.000	7.912	8.110	53.790	-13.605	6.692	0.388
2908		1.032	2.408	30.000	6.782	6.951	53.790	-13.605	6.606	0.388
2909		0.860	2.580	25.000	5.652	5.793	53.790	-13.605	6.520	0.388
2910		0.688	2.752	20.000	4.521	4.634	53.790	-13.605	6.434	0.388
2911		0.516	2.924	15.000	3.391	3.476	53.790	-13.605	6.348	0.388
2912		0.344	3.096	10.000	2.261	2.317	53.790	-13.605	6.262	0.388
2913		0.172	3.268	5.000	1.130	1.159	53.790	-13.605	6.176	0.388
2914		0.003	3.437	0.100	0.023	0.023	53.790	-13.605	6.092	0.388

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m ³	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
2915		0.000	3.440	0.000	0.000	0.000	53.790	-13.605	6.090	0.000
2916	ESPACIO VACIO 91	3.440	0.000	100.000	13.941	14.290	49.970	-10.830	7.810	0.000
2917		3.437	0.003	99.900	13.927	14.275	49.970	-10.830	7.808	8.187
2918		3.268	0.172	95.000	13.244	13.575	49.970	-10.830	7.724	8.187
2919		3.096	0.344	90.000	12.547	12.861	49.970	-10.830	7.638	8.187
2920		2.924	0.516	85.000	11.850	12.146	49.970	-10.830	7.552	8.187
2921		2.752	0.688	80.000	11.153	11.432	49.970	-10.830	7.466	8.187
2922		2.580	0.860	75.000	10.456	10.717	49.970	-10.830	7.380	8.187
2923		2.408	1.032	70.000	9.759	10.003	49.970	-10.830	7.294	8.187
2924		2.236	1.204	65.000	9.062	9.288	49.970	-10.830	7.208	8.187
2925		2.064	1.376	60.000	8.365	8.574	49.970	-10.830	7.122	8.187
2926		1.892	1.548	55.000	7.668	7.859	49.970	-10.830	7.036	8.187
2927		1.720	1.720	50.000	6.971	7.145	49.970	-10.830	6.950	8.187
2928		1.548	1.892	45.000	6.274	6.430	49.970	-10.830	6.864	8.187
2929		1.376	2.064	40.000	5.576	5.716	49.970	-10.830	6.778	8.187
2930		1.204	2.236	35.000	4.879	5.001	49.970	-10.830	6.692	8.187
2931		1.032	2.408	30.000	4.182	4.287	49.970	-10.830	6.606	8.187
2932		0.860	2.580	25.000	3.485	3.572	49.970	-10.830	6.520	8.187
2933		0.688	2.752	20.000	2.788	2.858	49.970	-10.830	6.434	8.187
2934		0.516	2.924	15.000	2.091	2.143	49.970	-10.830	6.348	8.187
2935		0.344	3.096	10.000	1.394	1.429	49.970	-10.830	6.262	8.187
2936		0.172	3.268	5.000	0.697	0.714	49.970	-10.830	6.176	8.187
2937		0.003	3.437	0.100	0.014	0.014	49.970	-10.830	6.092	8.187
2938		0.000	3.440	0.000	0.000	0.000	49.970	-10.830	6.090	0.000
2939	ALMACEN F.O. 3	3.440	0.000	100.000	109.207	103.124	61.585	-10.830	7.810	0.000
2940		3.400	0.040	98.837	107.937	101.925	61.585	-10.830	7.790	59.082
2941		3.371	0.069	98.000	107.023	101.061	61.585	-10.830	7.776	59.082
2942		3.368	0.072	97.900	106.913	100.958	61.585	-10.830	7.774	59.082
2943		3.200	0.240	93.023	101.588	95.929	61.585	-10.830	7.690	59.082
2944		3.000	0.440	87.209	95.238	89.934	61.585	-10.830	7.590	59.082
2945		2.800	0.640	81.395	88.889	83.938	61.585	-10.830	7.490	59.082
2946		2.600	0.840	75.581	82.540	77.942	61.585	-10.830	7.390	59.082
2947		2.400	1.040	69.767	76.191	71.947	61.585	-10.830	7.290	59.082
2948		2.200	1.240	63.953	69.842	65.951	61.585	-10.830	7.190	59.082
2949		2.000	1.440	58.140	63.492	59.956	61.585	-10.830	7.090	59.082
2950		1.800	1.640	52.326	57.143	53.960	61.585	-10.830	6.990	59.082
2951		1.600	1.840	46.512	50.794	47.965	61.585	-10.830	6.890	59.082
2952		1.400	2.040	40.698	44.445	41.969	61.585	-10.830	6.790	59.082
2953		1.200	2.240	34.884	38.095	35.973	61.585	-10.830	6.690	59.082
2954		1.000	2.440	29.070	31.746	29.978	61.585	-10.830	6.590	59.082
2955		0.800	2.640	23.256	25.397	23.982	61.585	-10.830	6.490	59.082
2956		0.600	2.840	17.442	19.048	17.987	61.585	-10.830	6.390	59.082
2957		0.400	3.040	11.628	12.698	11.991	61.585	-10.830	6.290	59.082
2958		0.200	3.240	5.814	6.349	5.996	61.585	-10.830	6.190	59.082
2959		0.034	3.406	1.000	1.092	1.031	61.585	-10.830	6.107	59.082
2960		0.000	3.440	0.000	0.000	0.000	61.585	-10.830	6.090	0.000
2961	DECANTACION F.O. 2	3.440	0.000	100.000	39.965	37.739	56.770	-10.830	7.810	0.000

Academic Version

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2962		3.400	0.040	98.837	39.500	37.300	56.770	-10.830	7.790	21.621
2963		3.371	0.069	98.000	39.166	36.984	56.770	-10.830	7.776	21.621
2964		3.368	0.072	97.900	39.126	36.946	56.770	-10.830	7.774	21.621
2965		3.200	0.240	93.023	37.177	35.106	56.770	-10.830	7.690	21.621
2966		3.000	0.440	87.209	34.853	32.912	56.770	-10.830	7.590	21.621
2967		2.800	0.640	81.395	32.530	30.718	56.770	-10.830	7.490	21.621
2968		2.600	0.840	75.581	30.206	28.524	56.770	-10.830	7.390	21.621
2969		2.400	1.040	69.767	27.883	26.330	56.770	-10.830	7.290	21.621
2970		2.200	1.240	63.953	25.559	24.135	56.770	-10.830	7.190	21.621
2971		2.000	1.440	58.140	23.235	21.941	56.770	-10.830	7.090	21.621
2972		1.800	1.640	52.326	20.912	19.747	56.770	-10.830	6.990	21.621
2973		1.600	1.840	46.512	18.588	17.553	56.770	-10.830	6.890	21.621
2974		1.400	2.040	40.698	16.265	15.359	56.770	-10.830	6.790	21.621
2975		1.200	2.240	34.884	13.941	13.165	56.770	-10.830	6.690	21.621
2976		1.000	2.440	29.070	11.618	10.971	56.770	-10.830	6.590	21.621
2977		0.800	2.640	23.256	9.294	8.777	56.770	-10.830	6.490	21.621
2978		0.600	2.840	17.442	6.971	6.582	56.770	-10.830	6.390	21.621
2979		0.400	3.040	11.628	4.647	4.388	56.770	-10.830	6.290	21.621
2980		0.200	3.240	5.814	2.324	2.194	56.770	-10.830	6.190	21.621
2981		0.034	3.406	1.000	0.400	0.377	56.770	-10.830	6.107	21.621
2982		0.000	3.440	0.000	0.000	0.000	56.770	-10.830	6.090	0.000
2983	U.D. F.O. 1	3.440	0.000	100.000	39.190	37.008	54.215	-10.830	7.810	0.000
2984		3.400	0.040	98.837	38.735	36.577	54.215	-10.830	7.790	21.202
2985		3.371	0.069	98.000	38.407	36.267	54.215	-10.830	7.776	21.202
2986		3.368	0.072	97.900	38.367	36.230	54.215	-10.830	7.774	21.202
2987		3.200	0.240	93.023	36.456	34.426	54.215	-10.830	7.690	21.202
2988		3.000	0.440	87.209	34.178	32.274	54.215	-10.830	7.590	21.202
2989		2.800	0.640	81.395	31.899	30.122	54.215	-10.830	7.490	21.202
2990		2.600	0.840	75.581	29.621	27.971	54.215	-10.830	7.390	21.202
2991		2.400	1.040	69.767	27.342	25.819	54.215	-10.830	7.290	21.202
2992		2.200	1.240	63.953	25.064	23.668	54.215	-10.830	7.190	21.202
2993		2.000	1.440	58.140	22.785	21.516	54.215	-10.830	7.090	21.202
2994		1.800	1.640	52.326	20.507	19.364	54.215	-10.830	6.990	21.202
2995		1.600	1.840	46.512	18.228	17.213	54.215	-10.830	6.890	21.202
2996		1.400	2.040	40.698	15.950	15.061	54.215	-10.830	6.790	21.202
2997		1.200	2.240	34.884	13.671	12.910	54.215	-10.830	6.690	21.202
2998		1.000	2.440	29.070	11.393	10.758	54.215	-10.830	6.590	21.202
2999		0.800	2.640	23.256	9.114	8.606	54.215	-10.830	6.490	21.202
3000		0.600	2.840	17.442	6.836	6.455	54.215	-10.830	6.390	21.202
3001		0.400	3.040	11.628	4.557	4.303	54.215	-10.830	6.290	21.202
3002		0.200	3.240	5.814	2.279	2.152	54.215	-10.830	6.190	21.202
3003		0.034	3.406	1.000	0.392	0.370	54.215	-10.830	6.107	21.202
3004		0.000	3.440	0.000	0.000	0.000	54.215	-10.830	6.090	0.000
3005	U.D. F.O. 2	3.440	0.000	100.000	39.191	37.008	51.685	-10.830	7.810	0.000
3006		3.400	0.040	98.837	38.735	36.577	51.685	-10.830	7.790	21.202
3007		3.371	0.069	98.000	38.407	36.267	51.685	-10.830	7.776	21.202
3008		3.368	0.072	97.900	38.368	36.230	51.685	-10.830	7.774	21.202

Academic Version

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3009		3.200	0.240	93.023	36.456	34.426	51.685	-10.830	7.690	21.202
3010		3.000	0.440	87.209	34.178	32.274	51.685	-10.830	7.590	21.202
3011		2.800	0.640	81.395	31.899	30.122	51.685	-10.830	7.490	21.202
3012		2.600	0.840	75.581	29.621	27.971	51.685	-10.830	7.390	21.202
3013		2.400	1.040	69.767	27.342	25.819	51.685	-10.830	7.290	21.202
3014		2.200	1.240	63.953	25.064	23.668	51.685	-10.830	7.190	21.202
3015		2.000	1.440	58.140	22.785	21.516	51.685	-10.830	7.090	21.202
3016		1.800	1.640	52.326	20.507	19.364	51.685	-10.830	6.990	21.202
3017		1.600	1.840	46.512	18.228	17.213	51.685	-10.830	6.890	21.202
3018		1.400	2.040	40.698	15.950	15.061	51.685	-10.830	6.790	21.202
3019		1.200	2.240	34.884	13.671	12.910	51.685	-10.830	6.690	21.202
3020		1.000	2.440	29.070	11.393	10.758	51.685	-10.830	6.590	21.202
3021		0.800	2.640	23.256	9.114	8.606	51.685	-10.830	6.490	21.202
3022		0.600	2.840	17.442	6.836	6.455	51.685	-10.830	6.390	21.202
3023		0.400	3.040	11.628	4.557	4.303	51.685	-10.830	6.290	21.202
3024		0.200	3.240	5.814	2.279	2.152	51.685	-10.830	6.190	21.202
3025		0.034	3.406	1.000	0.392	0.370	51.685	-10.830	6.107	21.202
3026		0.000	3.440	0.000	0.000	0.000	51.685	-10.830	6.090	0.000
3027	U.D. D.O. 1	3.440	0.000	100.000	16.667	14.000	51.770	-1.900	7.810	0.000
3028		3.400	0.040	98.837	16.473	13.837	51.770	-1.900	7.790	4.127
3029		3.371	0.069	98.000	16.333	13.720	51.770	-1.900	7.776	4.127
3030		3.368	0.072	97.900	16.317	13.706	51.770	-1.900	7.774	4.127
3031		3.200	0.240	93.023	15.504	13.023	51.770	-1.900	7.690	4.127
3032		3.000	0.440	87.209	14.535	12.209	51.770	-1.900	7.590	4.127
3033		2.800	0.640	81.395	13.566	11.395	51.770	-1.900	7.490	4.127
3034		2.600	0.840	75.581	12.597	10.581	51.770	-1.900	7.390	4.127
3035		2.400	1.040	69.767	11.628	9.768	51.770	-1.900	7.290	4.127
3036		2.200	1.240	63.953	10.659	8.954	51.770	-1.900	7.190	4.127
3037		2.000	1.440	58.140	9.690	8.140	51.770	-1.900	7.090	4.127
3038		1.800	1.640	52.326	8.721	7.326	51.770	-1.900	6.990	4.127
3039		1.600	1.840	46.512	7.752	6.512	51.770	-1.900	6.890	4.127
3040		1.400	2.040	40.698	6.783	5.698	51.770	-1.900	6.790	4.127
3041		1.200	2.240	34.884	5.814	4.884	51.770	-1.900	6.690	4.127
3042		1.000	2.440	29.070	4.845	4.070	51.770	-1.900	6.590	4.127
3043		0.800	2.640	23.256	3.876	3.256	51.770	-1.900	6.490	4.127
3044		0.600	2.840	17.442	2.907	2.442	51.770	-1.900	6.390	4.127
3045		0.400	3.040	11.628	1.938	1.628	51.770	-1.900	6.290	4.127
3046		0.200	3.240	5.814	0.969	0.814	51.770	-1.900	6.190	4.127
3047		0.034	3.406	1.000	0.167	0.140	51.770	-1.900	6.107	4.127
3048		0.000	3.440	0.000	0.000	0.000	51.770	-1.900	6.090	0.000
3049	U.D. D.O. 2	3.440	0.000	100.000	16.667	14.000	50.270	-1.900	7.810	0.000
3050		3.400	0.040	98.837	16.473	13.837	50.270	-1.900	7.790	4.127
3051		3.371	0.069	98.000	16.333	13.720	50.270	-1.900	7.776	4.127
3052		3.368	0.072	97.900	16.317	13.706	50.270	-1.900	7.774	4.127
3053		3.200	0.240	93.023	15.504	13.023	50.270	-1.900	7.690	4.127
3054		3.000	0.440	87.209	14.535	12.209	50.270	-1.900	7.590	4.127
3055		2.800	0.640	81.395	13.566	11.395	50.270	-1.900	7.490	4.127

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m ³	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
3056		2.600	0.840	75.581	12.597	10.581	50.270	-1.900	7.390	4.127
3057		2.400	1.040	69.767	11.628	9.768	50.270	-1.900	7.290	4.127
3058		2.200	1.240	63.953	10.659	8.954	50.270	-1.900	7.190	4.127
3059		2.000	1.440	58.140	9.690	8.140	50.270	-1.900	7.090	4.127
3060		1.800	1.640	52.326	8.721	7.326	50.270	-1.900	6.990	4.127
3061		1.600	1.840	46.512	7.752	6.512	50.270	-1.900	6.890	4.127
3062		1.400	2.040	40.698	6.783	5.698	50.270	-1.900	6.790	4.127
3063		1.200	2.240	34.884	5.814	4.884	50.270	-1.900	6.690	4.127
3064		1.000	2.440	29.070	4.845	4.070	50.270	-1.900	6.590	4.127
3065		0.800	2.640	23.256	3.876	3.256	50.270	-1.900	6.490	4.127
3066		0.600	2.840	17.442	2.907	2.442	50.270	-1.900	6.390	4.127
3067		0.400	3.040	11.628	1.938	1.628	50.270	-1.900	6.290	4.127
3068		0.200	3.240	5.814	0.969	0.814	50.270	-1.900	6.190	4.127
3069		0.034	3.406	1.000	0.167	0.140	50.270	-1.900	6.107	4.127
3070		0.000	3.440	0.000	0.000	0.000	50.270	-1.900	6.090	0.000
3071	ESPACIO VACIO 92	3.440	0.000	100.000	23.081	23.658	65.855	10.830	7.810	0.000
3072		3.437	0.003	99.900	23.057	23.634	65.855	10.830	7.808	13.554
3073		3.268	0.172	95.000	21.927	22.475	65.855	10.830	7.724	13.554
3074		3.096	0.344	90.000	20.772	21.292	65.855	10.830	7.638	13.554
3075		2.924	0.516	85.000	19.618	20.109	65.855	10.830	7.552	13.554
3076		2.752	0.688	80.000	18.464	18.926	65.855	10.830	7.466	13.554
3077		2.580	0.860	75.000	17.310	17.743	65.855	10.830	7.380	13.554
3078		2.408	1.032	70.000	16.156	16.560	65.855	10.830	7.294	13.554
3079		2.236	1.204	65.000	15.002	15.377	65.855	10.830	7.208	13.554
3080		2.064	1.376	60.000	13.848	14.195	65.855	10.830	7.122	13.554
3081		1.892	1.548	55.000	12.694	13.012	65.855	10.830	7.036	13.554
3082		1.720	1.720	50.000	11.540	11.829	65.855	10.830	6.950	13.554
3083		1.548	1.892	45.000	10.386	10.646	65.855	10.830	6.864	13.554
3084		1.376	2.064	40.000	9.232	9.463	65.855	10.830	6.778	13.554
3085		1.204	2.236	35.000	8.078	8.280	65.855	10.830	6.692	13.554
3086		1.032	2.408	30.000	6.924	7.097	65.855	10.830	6.606	13.554
3087		0.860	2.580	25.000	5.770	5.914	65.855	10.830	6.520	13.554
3088		0.688	2.752	20.000	4.616	4.732	65.855	10.830	6.434	13.554
3089		0.516	2.924	15.000	3.462	3.549	65.855	10.830	6.348	13.554
3090		0.344	3.096	10.000	2.308	2.366	65.855	10.830	6.262	13.554
3091		0.172	3.268	5.000	1.154	1.183	65.855	10.830	6.176	13.554
3092		0.003	3.437	0.100	0.023	0.024	65.855	10.830	6.092	13.554
3093		0.000	3.440	0.000	0.000	0.000	65.855	10.830	6.090	0.000
3094	ESPACIO VACIO 93	3.440	0.000	100.000	22.606	23.171	62.330	13.605	7.810	0.000
3095		3.437	0.003	99.900	22.583	23.148	62.330	13.605	7.808	0.388
3096		3.268	0.172	95.000	21.476	22.013	62.330	13.605	7.724	0.388
3097		3.096	0.344	90.000	20.345	20.854	62.330	13.605	7.638	0.388
3098		2.924	0.516	85.000	19.215	19.696	62.330	13.605	7.552	0.388
3099		2.752	0.688	80.000	18.085	18.537	62.330	13.605	7.466	0.388
3100		2.580	0.860	75.000	16.955	17.378	62.330	13.605	7.380	0.388
3101		2.408	1.032	70.000	15.824	16.220	62.330	13.605	7.294	0.388
3102		2.236	1.204	65.000	14.694	15.061	62.330	13.605	7.208	0.388

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
3103		2.064	1.376	60.000	13.564	13.903	62.330	13.605	7.122	0.388
3104		1.892	1.548	55.000	12.433	12.744	62.330	13.605	7.036	0.388
3105		1.720	1.720	50.000	11.303	11.586	62.330	13.605	6.950	0.388
3106		1.548	1.892	45.000	10.173	10.427	62.330	13.605	6.864	0.388
3107		1.376	2.064	40.000	9.042	9.268	62.330	13.605	6.778	0.388
3108		1.204	2.236	35.000	7.912	8.110	62.330	13.605	6.692	0.388
3109		1.032	2.408	30.000	6.782	6.951	62.330	13.605	6.606	0.388
3110		0.860	2.580	25.000	5.652	5.793	62.330	13.605	6.520	0.388
3111		0.688	2.752	20.000	4.521	4.634	62.330	13.605	6.434	0.388
3112		0.516	2.924	15.000	3.391	3.476	62.330	13.605	6.348	0.388
3113		0.344	3.096	10.000	2.261	2.317	62.330	13.605	6.262	0.388
3114		0.172	3.268	5.000	1.130	1.159	62.330	13.605	6.176	0.388
3115		0.003	3.437	0.100	0.023	0.023	62.330	13.605	6.092	0.388
3116		0.000	3.440	0.000	0.000	0.000	62.330	13.605	6.090	0.000
3117	ESPACIO VACIO 94	3.440	0.000	100.000	13.941	14.290	57.610	10.830	7.810	0.000
3118		3.437	0.003	99.900	13.927	14.276	57.610	10.830	7.808	8.187
3119		3.268	0.172	95.000	13.244	13.575	57.610	10.830	7.724	8.187
3120		3.096	0.344	90.000	12.547	12.861	57.610	10.830	7.638	8.187
3121		2.924	0.516	85.000	11.850	12.146	57.610	10.830	7.552	8.187
3122		2.752	0.688	80.000	11.153	11.432	57.610	10.830	7.466	8.187
3123		2.580	0.860	75.000	10.456	10.717	57.610	10.830	7.380	8.187
3124		2.408	1.032	70.000	9.759	10.003	57.610	10.830	7.294	8.187
3125		2.236	1.204	65.000	9.062	9.288	57.610	10.830	7.208	8.187
3126		2.064	1.376	60.000	8.365	8.574	57.610	10.830	7.122	8.187
3127		1.892	1.548	55.000	7.668	7.859	57.610	10.830	7.036	8.187
3128		1.720	1.720	50.000	6.971	7.145	57.610	10.830	6.950	8.187
3129		1.548	1.892	45.000	6.274	6.430	57.610	10.830	6.864	8.187
3130		1.376	2.064	40.000	5.577	5.716	57.610	10.830	6.778	8.187
3131		1.204	2.236	35.000	4.879	5.001	57.610	10.830	6.692	8.187
3132		1.032	2.408	30.000	4.182	4.287	57.610	10.830	6.606	8.187
3133		0.860	2.580	25.000	3.485	3.572	57.610	10.830	6.520	8.187
3134		0.688	2.752	20.000	2.788	2.858	57.610	10.830	6.434	8.187
3135		0.516	2.924	15.000	2.091	2.143	57.610	10.830	6.348	8.187
3136		0.344	3.096	10.000	1.394	1.429	57.610	10.830	6.262	8.187
3137		0.172	3.268	5.000	0.697	0.714	57.610	10.830	6.176	8.187
3138		0.003	3.437	0.100	0.014	0.014	57.610	10.830	6.092	8.187
3139		0.000	3.440	0.000	0.000	0.000	57.610	10.830	6.090	0.000
3140	ESPACIO VACIO 95	3.440	0.000	100.000	22.606	23.171	53.790	13.605	7.810	0.000
3141		3.437	0.003	99.900	22.583	23.148	53.790	13.605	7.808	0.388
3142		3.268	0.172	95.000	21.476	22.013	53.790	13.605	7.724	0.388
3143		3.096	0.344	90.000	20.345	20.854	53.790	13.605	7.638	0.388
3144		2.924	0.516	85.000	19.215	19.696	53.790	13.605	7.552	0.388
3145		2.752	0.688	80.000	18.085	18.537	53.790	13.605	7.466	0.388
3146		2.580	0.860	75.000	16.955	17.378	53.790	13.605	7.380	0.388
3147		2.408	1.032	70.000	15.824	16.220	53.790	13.605	7.294	0.388
3148		2.236	1.204	65.000	14.694	15.061	53.790	13.605	7.208	0.388
3149		2.064	1.376	60.000	13.564	13.903	53.790	13.605	7.122	0.388

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
3150		1.892	1.548	55.000	12.433	12.744	53.790	13.605	7.036	0.388
3151		1.720	1.720	50.000	11.303	11.586	53.790	13.605	6.950	0.388
3152		1.548	1.892	45.000	10.173	10.427	53.790	13.605	6.864	0.388
3153		1.376	2.064	40.000	9.042	9.268	53.790	13.605	6.778	0.388
3154		1.204	2.236	35.000	7.912	8.110	53.790	13.605	6.692	0.388
3155		1.032	2.408	30.000	6.782	6.951	53.790	13.605	6.606	0.388
3156		0.860	2.580	25.000	5.652	5.793	53.790	13.605	6.520	0.388
3157		0.688	2.752	20.000	4.521	4.634	53.790	13.605	6.434	0.388
3158		0.516	2.924	15.000	3.391	3.476	53.790	13.605	6.348	0.388
3159		0.344	3.096	10.000	2.261	2.317	53.790	13.605	6.262	0.388
3160		0.172	3.268	5.000	1.130	1.159	53.790	13.605	6.176	0.388
3161		0.003	3.437	0.100	0.023	0.023	53.790	13.605	6.092	0.388
3162		0.000	3.440	0.000	0.000	0.000	53.790	13.605	6.090	0.000
3163	ESPACIO VACIO 96	3.440	0.000	100.000	13.941	14.290	49.970	10.830	7.810	0.000
3164		3.437	0.003	99.900	13.927	14.275	49.970	10.830	7.808	8.187
3165		3.268	0.172	95.000	13.244	13.575	49.970	10.830	7.724	8.187
3166		3.096	0.344	90.000	12.547	12.861	49.970	10.830	7.638	8.187
3167		2.924	0.516	85.000	11.850	12.146	49.970	10.830	7.552	8.187
3168		2.752	0.688	80.000	11.153	11.432	49.970	10.830	7.466	8.187
3169		2.580	0.860	75.000	10.456	10.717	49.970	10.830	7.380	8.187
3170		2.408	1.032	70.000	9.759	10.003	49.970	10.830	7.294	8.187
3171		2.236	1.204	65.000	9.062	9.288	49.970	10.830	7.208	8.187
3172		2.064	1.376	60.000	8.365	8.574	49.970	10.830	7.122	8.187
3173		1.892	1.548	55.000	7.668	7.859	49.970	10.830	7.036	8.187
3174		1.720	1.720	50.000	6.971	7.145	49.970	10.830	6.950	8.187
3175		1.548	1.892	45.000	6.274	6.430	49.970	10.830	6.864	8.187
3176		1.376	2.064	40.000	5.576	5.716	49.970	10.830	6.778	8.187
3177		1.204	2.236	35.000	4.879	5.001	49.970	10.830	6.692	8.187
3178		1.032	2.408	30.000	4.182	4.287	49.970	10.830	6.606	8.187
3179		0.860	2.580	25.000	3.485	3.572	49.970	10.830	6.520	8.187
3180		0.688	2.752	20.000	2.788	2.858	49.970	10.830	6.434	8.187
3181		0.516	2.924	15.000	2.091	2.143	49.970	10.830	6.348	8.187
3182		0.344	3.096	10.000	1.394	1.429	49.970	10.830	6.262	8.187
3183		0.172	3.268	5.000	0.697	0.714	49.970	10.830	6.176	8.187
3184		0.003	3.437	0.100	0.014	0.014	49.970	10.830	6.092	8.187
3185		0.000	3.440	0.000	0.000	0.000	49.970	10.830	6.090	0.000
3186	ALMACEN F.O. 4	3.440	0.000	100.000	109.207	103.124	61.585	10.830	7.810	0.000
3187		3.400	0.040	98.837	107.937	101.925	61.585	10.830	7.790	59.082
3188		3.371	0.069	98.000	107.023	101.061	61.585	10.830	7.776	59.082
3189		3.368	0.072	97.900	106.913	100.958	61.585	10.830	7.774	59.082
3190		3.200	0.240	93.023	101.588	95.929	61.585	10.830	7.690	59.082
3191		3.000	0.440	87.209	95.238	89.934	61.585	10.830	7.590	59.082
3192		2.800	0.640	81.395	88.889	83.938	61.585	10.830	7.490	59.082
3193		2.600	0.840	75.581	82.540	77.942	61.585	10.830	7.390	59.082
3194		2.400	1.040	69.767	76.191	71.947	61.585	10.830	7.290	59.082
3195		2.200	1.240	63.953	69.842	65.951	61.585	10.830	7.190	59.082
3196		2.000	1.440	58.140	63.492	59.956	61.585	10.830	7.090	59.082

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
3197		1.800	1.640	52.326	57.143	53.960	61.585	10.830	6.990	59.082
3198		1.600	1.840	46.512	50.794	47.965	61.585	10.830	6.890	59.082
3199		1.400	2.040	40.698	44.445	41.969	61.585	10.830	6.790	59.082
3200		1.200	2.240	34.884	38.095	35.973	61.585	10.830	6.690	59.082
3201		1.000	2.440	29.070	31.746	29.978	61.585	10.830	6.590	59.082
3202		0.800	2.640	23.256	25.397	23.982	61.585	10.830	6.490	59.082
3203		0.600	2.840	17.442	19.048	17.987	61.585	10.830	6.390	59.082
3204		0.400	3.040	11.628	12.698	11.991	61.585	10.830	6.290	59.082
3205		0.200	3.240	5.814	6.349	5.996	61.585	10.830	6.190	59.082
3206		0.034	3.406	1.000	1.092	1.031	61.585	10.830	6.107	59.082
3207		0.000	3.440	0.000	0.000	0.000	61.585	10.830	6.090	0.000
3208	ALMACEN F.O. 5	3.440	0.000	100.000	104.405	98.589	53.790	10.830	7.810	0.000
3209		3.400	0.040	98.837	103.191	97.443	53.790	10.830	7.790	56.484
3210		3.371	0.069	98.000	102.317	96.618	53.790	10.830	7.776	56.484
3211		3.368	0.072	97.900	102.212	96.519	53.790	10.830	7.774	56.484
3212		3.200	0.240	93.023	97.121	91.711	53.790	10.830	7.690	56.484
3213		3.000	0.440	87.209	91.051	85.979	53.790	10.830	7.590	56.484
3214		2.800	0.640	81.395	84.981	80.247	53.790	10.830	7.490	56.484
3215		2.600	0.840	75.581	78.911	74.515	53.790	10.830	7.390	56.484
3216		2.400	1.040	69.767	72.841	68.783	53.790	10.830	7.290	56.484
3217		2.200	1.240	63.953	66.770	63.051	53.790	10.830	7.190	56.484
3218		2.000	1.440	58.140	60.700	57.319	53.790	10.830	7.090	56.484
3219		1.800	1.640	52.326	54.630	51.587	53.790	10.830	6.990	56.484
3220		1.600	1.840	46.512	48.560	45.856	53.790	10.830	6.890	56.484
3221		1.400	2.040	40.698	42.490	40.124	53.790	10.830	6.790	56.484
3222		1.200	2.240	34.884	36.420	34.392	53.790	10.830	6.690	56.484
3223		1.000	2.440	29.070	30.350	28.660	53.790	10.830	6.590	56.484
3224		0.800	2.640	23.256	24.280	22.928	53.790	10.830	6.490	56.484
3225		0.600	2.840	17.442	18.210	17.196	53.790	10.830	6.390	56.484
3226		0.400	3.040	11.628	12.140	11.464	53.790	10.830	6.290	56.484
3227		0.200	3.240	5.814	6.070	5.732	53.790	10.830	6.190	56.484
3228		0.034	3.406	1.000	1.044	0.986	53.790	10.830	6.107	56.484
3229		0.000	3.440	0.000	0.000	0.000	53.790	10.830	6.090	0.000
3230	AGUA DULCE 3	3.440	0.000	100.000	304.763	304.763	19.640	0.000	7.810	0.000
3231		3.400	0.040	98.837	301.219	301.219	19.640	0.000	7.790	926.711
3232		3.371	0.069	98.000	298.668	298.668	19.640	0.000	7.776	926.711
3233		3.368	0.072	97.900	298.363	298.363	19.640	0.000	7.774	926.711
3234		3.200	0.240	93.023	283.501	283.501	19.640	0.000	7.690	926.711
3235		3.000	0.440	87.209	265.782	265.782	19.640	0.000	7.590	926.711
3236		2.800	0.640	81.395	248.063	248.063	19.640	0.000	7.490	926.711
3237		2.600	0.840	75.581	230.344	230.344	19.640	0.000	7.390	926.711
3238		2.400	1.040	69.767	212.626	212.626	19.640	0.000	7.290	926.711
3239		2.200	1.240	63.953	194.907	194.907	19.640	0.000	7.190	926.711
3240		2.000	1.440	58.140	177.188	177.188	19.640	0.000	7.090	926.711
3241		1.800	1.640	52.326	159.469	159.469	19.640	0.000	6.990	926.711
3242		1.600	1.840	46.512	141.750	141.750	19.640	0.000	6.890	926.711
3243		1.400	2.040	40.698	124.032	124.032	19.640	0.000	6.790	926.711

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m ³	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
3244		1.200	2.240	34.884	106.313	106.313	19.640	0.000	6.690	926.711
3245		1.000	2.440	29.070	88.594	88.594	19.640	0.000	6.590	926.711
3246		0.800	2.640	23.256	70.875	70.875	19.640	0.000	6.490	926.711
3247		0.600	2.840	17.442	53.156	53.156	19.640	0.000	6.390	926.711
3248		0.400	3.040	11.628	35.438	35.438	19.640	0.000	6.290	926.711
3249		0.200	3.240	5.814	17.719	17.719	19.640	0.000	6.190	926.711
3250		0.034	3.406	1.000	3.048	3.048	19.640	0.000	6.107	926.711
3251		0.000	3.440	0.000	0.000	0.000	19.640	0.000	6.090	0.000
3252	ESPACIO VACIO 97	3.440	0.000	100.000	38.806	39.776	14.300	-11.234	7.810	0.000
3253		3.437	0.003	99.900	38.767	39.736	14.300	-11.234	7.809	31.249
3254		3.268	0.172	95.000	36.866	37.787	14.300	-11.234	7.724	31.249
3255		3.096	0.344	90.000	34.925	35.798	14.300	-11.234	7.638	31.249
3256		2.924	0.516	85.000	32.985	33.810	14.300	-11.234	7.552	31.249
3257		2.752	0.688	80.000	31.045	31.821	14.300	-11.234	7.466	31.249
3258		2.580	0.860	75.000	29.104	29.832	14.300	-11.234	7.380	31.249
3259		2.408	1.032	70.000	27.164	27.843	14.300	-11.234	7.294	31.249
3260		2.236	1.204	65.000	25.224	25.854	14.300	-11.234	7.208	31.249
3261		2.064	1.376	60.000	23.284	23.866	14.300	-11.234	7.122	31.249
3262		1.892	1.548	55.000	21.343	21.877	14.300	-11.234	7.037	31.249
3263		1.720	1.720	50.000	19.403	19.888	14.300	-11.234	6.951	31.249
3264		1.548	1.892	45.000	17.463	17.899	14.300	-11.234	6.865	31.249
3265		1.376	2.064	40.000	15.522	15.910	14.300	-11.234	6.779	31.249
3266		1.204	2.236	35.000	13.582	13.922	14.300	-11.233	6.693	31.249
3267		1.033	2.407	30.000	11.642	11.933	14.300	-11.233	6.607	31.249
3268		0.861	2.579	25.000	9.701	9.944	14.300	-11.233	6.521	31.249
3269		0.689	2.751	20.000	7.761	7.955	14.300	-11.232	6.435	31.249
3270		0.517	2.923	15.000	5.821	5.966	14.300	-11.231	6.349	31.249
3271		0.345	3.095	10.000	3.881	3.978	14.300	-11.229	6.263	31.249
3272		0.173	3.267	5.000	1.940	1.989	14.301	-11.223	6.176	31.238
3273		0.003	3.437	0.100	0.039	0.040	14.301	-11.209	6.092	30.399
3274		0.000	3.440	0.000	0.000	0.000	14.301	-11.209	6.090	0.000
3275	AGUA DULCE 4	3.440	0.000	100.000	118.330	118.330	14.300	0.000	7.810	0.000
3276		3.400	0.040	98.837	116.954	116.954	14.300	0.000	7.790	863.841
3277		3.371	0.069	98.000	115.964	115.964	14.300	0.000	7.776	863.841
3278		3.368	0.072	97.900	115.845	115.845	14.300	0.000	7.774	863.841
3279		3.200	0.240	93.023	110.075	110.075	14.300	0.000	7.690	863.841
3280		3.000	0.440	87.209	103.195	103.195	14.300	0.000	7.590	863.841
3281		2.800	0.640	81.395	96.315	96.315	14.300	0.000	7.490	863.841
3282		2.600	0.840	75.581	89.436	89.436	14.300	0.000	7.390	863.841
3283		2.400	1.040	69.767	82.556	82.556	14.300	0.000	7.290	863.841
3284		2.200	1.240	63.953	75.676	75.676	14.300	0.000	7.190	863.841
3285		2.000	1.440	58.140	68.797	68.797	14.300	0.000	7.090	863.841
3286		1.800	1.640	52.326	61.917	61.917	14.300	0.000	6.990	863.841
3287		1.600	1.840	46.512	55.037	55.037	14.300	0.000	6.890	863.841
3288		1.400	2.040	40.698	48.158	48.158	14.300	0.000	6.790	863.841
3289		1.200	2.240	34.884	41.278	41.278	14.300	0.000	6.690	863.841
3290		1.000	2.440	29.070	34.398	34.398	14.300	0.000	6.590	863.841

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m ³	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
3291		0.800	2.640	23.256	27.519	27.519	14.300	0.000	6.490	863.841
3292		0.600	2.840	17.442	20.639	20.639	14.300	0.000	6.390	863.841
3293		0.400	3.040	11.628	13.759	13.759	14.300	0.000	6.290	863.841
3294		0.200	3.240	5.814	6.880	6.880	14.300	0.000	6.190	863.841
3295		0.034	3.406	1.000	1.183	1.183	14.300	0.000	6.107	863.841
3296		0.000	3.440	0.000	0.000	0.000	14.300	0.000	6.090	0.000
3297	ESPACIO VACIO 98	3.440	0.000	100.000	38.806	39.776	14.300	11.234	7.810	0.000
3298		3.437	0.003	99.900	38.767	39.736	14.300	11.234	7.809	31.249
3299		3.268	0.172	95.000	36.866	37.787	14.300	11.234	7.724	31.249
3300		3.096	0.344	90.000	34.925	35.798	14.300	11.234	7.638	31.249
3301		2.924	0.516	85.000	32.985	33.810	14.300	11.234	7.552	31.249
3302		2.752	0.688	80.000	31.045	31.821	14.300	11.234	7.466	31.249
3303		2.580	0.860	75.000	29.104	29.832	14.300	11.234	7.380	31.249
3304		2.408	1.032	70.000	27.164	27.843	14.300	11.234	7.294	31.249
3305		2.236	1.204	65.000	25.224	25.854	14.300	11.234	7.208	31.249
3306		2.064	1.376	60.000	23.284	23.866	14.300	11.234	7.122	31.249
3307		1.892	1.548	55.000	21.343	21.877	14.300	11.234	7.037	31.249
3308		1.720	1.720	50.000	19.403	19.888	14.300	11.234	6.951	31.249
3309		1.548	1.892	45.000	17.463	17.899	14.300	11.234	6.865	31.249
3310		1.376	2.064	40.000	15.522	15.910	14.300	11.234	6.779	31.249
3311		1.204	2.236	35.000	13.582	13.922	14.300	11.233	6.693	31.249
3312		1.033	2.407	30.000	11.642	11.933	14.300	11.233	6.607	31.249
3313		0.861	2.579	25.000	9.701	9.944	14.300	11.233	6.521	31.249
3314		0.689	2.751	20.000	7.761	7.955	14.300	11.232	6.435	31.249
3315		0.517	2.923	15.000	5.821	5.966	14.300	11.231	6.349	31.249
3316		0.345	3.095	10.000	3.881	3.978	14.300	11.229	6.263	31.249
3317		0.173	3.267	5.000	1.940	1.989	14.301	11.223	6.176	31.238
3318		0.003	3.437	0.100	0.039	0.040	14.301	11.209	6.092	30.399
3319		0.000	3.440	0.000	0.000	0.000	14.301	11.209	6.090	0.000
3320	ESPACIO VACIO 99	3.440	0.000	100.000	157.239	161.170	8.892	-11.232	7.812	0.000
3321		3.437	0.003	99.900	157.082	161.009	8.892	-11.232	7.810	126.748
3322		3.268	0.172	95.000	149.377	153.111	8.892	-11.231	7.726	126.748
3323		3.096	0.344	90.000	141.515	145.053	8.892	-11.231	7.640	126.748
3324		2.925	0.515	85.000	133.653	136.994	8.892	-11.231	7.554	126.748
3325		2.753	0.687	80.000	125.791	128.936	8.892	-11.231	7.468	126.748
3326		2.581	0.859	75.000	117.929	120.877	8.892	-11.231	7.382	126.748
3327		2.409	1.031	70.000	110.067	112.819	8.892	-11.230	7.297	126.748
3328		2.237	1.203	65.000	102.205	104.760	8.892	-11.230	7.211	126.748
3329		2.066	1.374	60.000	94.343	96.702	8.893	-11.229	7.125	126.748
3330		1.894	1.546	55.000	86.481	88.643	8.893	-11.229	7.039	126.748
3331		1.722	1.718	50.000	78.619	80.585	8.893	-11.228	6.953	126.748
3332		1.550	1.890	45.000	70.757	72.526	8.893	-11.228	6.867	126.748
3333		1.379	2.061	40.000	62.896	64.468	8.894	-11.227	6.781	126.748
3334		1.207	2.233	35.000	55.034	56.409	8.894	-11.225	6.695	126.748
3335		1.035	2.405	30.000	47.172	48.351	8.895	-11.224	6.609	126.748
3336		0.863	2.577	25.000	39.310	40.292	8.896	-11.222	6.523	126.748
3337		0.691	2.749	20.000	31.448	32.234	8.898	-11.218	6.437	126.748

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
3338		0.520	2.920	15.000	23.586	24.175	8.900	-11.213	6.351	126.748
3339		0.348	3.092	10.000	15.724	16.117	8.905	-11.202	6.265	125.985
3340		0.175	3.265	5.000	7.862	8.058	8.909	-11.185	6.178	122.781
3341		0.004	3.436	0.100	0.157	0.161	8.914	-11.162	6.092	117.148
3342		0.000	3.440	0.000	0.000	0.000	8.914	-11.162	6.090	0.000
3343	LASTRE 15	3.440	0.000	100.000	479.957	491.956	8.890	0.000	7.810	0.000
3344		3.400	0.040	98.837	474.376	486.235	8.890	0.000	7.790	3591.397
3345		3.371	0.069	98.000	470.358	482.116	8.890	0.000	7.776	3591.397
3346		3.368	0.072	97.900	469.878	481.625	8.890	0.000	7.774	3591.397
3347		3.200	0.240	93.023	446.471	457.633	8.890	0.000	7.690	3591.397
3348		3.000	0.440	87.209	418.567	429.031	8.890	0.000	7.590	3591.397
3349		2.800	0.640	81.395	390.662	400.429	8.890	0.000	7.490	3591.397
3350		2.600	0.840	75.581	362.758	371.827	8.890	0.000	7.390	3591.397
3351		2.400	1.040	69.767	334.854	343.225	8.890	0.000	7.290	3591.397
3352		2.200	1.240	63.953	306.949	314.623	8.890	0.000	7.190	3591.397
3353		2.000	1.440	58.140	279.045	286.021	8.890	0.000	7.090	3591.397
3354		1.800	1.640	52.326	251.140	257.419	8.890	0.000	6.990	3591.397
3355		1.600	1.840	46.512	223.236	228.817	8.890	0.000	6.890	3591.397
3356		1.400	2.040	40.698	195.331	200.215	8.890	0.000	6.790	3591.397
3357		1.200	2.240	34.884	167.427	171.612	8.890	0.000	6.690	3591.397
3358		1.000	2.440	29.070	139.522	143.010	8.890	0.000	6.590	3591.397
3359		0.800	2.640	23.256	111.618	114.408	8.890	0.000	6.490	3591.397
3360		0.600	2.840	17.442	83.713	85.806	8.890	0.000	6.390	3591.397
3361		0.400	3.040	11.628	55.809	57.204	8.890	0.000	6.290	3591.397
3362		0.200	3.240	5.814	27.904	28.602	8.890	0.000	6.190	3591.397
3363		0.034	3.406	1.000	4.800	4.920	8.890	0.000	6.107	3591.397
3364		0.000	3.440	0.000	0.000	0.000	8.890	0.000	6.090	0.000
3365	ESPACIO VACIO 100	3.440	0.000	100.000	157.239	161.170	8.892	11.232	7.812	0.000
3366		3.437	0.003	99.900	157.082	161.009	8.892	11.232	7.810	126.748
3367		3.268	0.172	95.000	149.377	153.111	8.892	11.231	7.726	126.748
3368		3.096	0.344	90.000	141.515	145.053	8.892	11.231	7.640	126.748
3369		2.925	0.515	85.000	133.653	136.994	8.892	11.231	7.554	126.748
3370		2.753	0.687	80.000	125.791	128.936	8.892	11.231	7.468	126.748
3371		2.581	0.859	75.000	117.929	120.877	8.892	11.231	7.382	126.748
3372		2.409	1.031	70.000	110.067	112.819	8.892	11.230	7.297	126.748
3373		2.237	1.203	65.000	102.205	104.760	8.892	11.230	7.211	126.748
3374		2.066	1.374	60.000	94.343	96.702	8.893	11.229	7.125	126.748
3375		1.894	1.546	55.000	86.481	88.643	8.893	11.229	7.039	126.748
3376		1.722	1.718	50.000	78.619	80.585	8.893	11.228	6.953	126.748
3377		1.550	1.890	45.000	70.757	72.526	8.893	11.228	6.867	126.748
3378		1.379	2.061	40.000	62.896	64.468	8.894	11.227	6.781	126.748
3379		1.207	2.233	35.000	55.034	56.409	8.894	11.225	6.695	126.748
3380		1.035	2.405	30.000	47.172	48.351	8.895	11.224	6.609	126.748
3381		0.863	2.577	25.000	39.310	40.292	8.896	11.222	6.523	126.748
3382		0.691	2.749	20.000	31.448	32.234	8.898	11.218	6.437	126.748
3383		0.520	2.920	15.000	23.586	24.175	8.900	11.213	6.351	126.748
3384		0.348	3.092	10.000	15.724	16.117	8.905	11.202	6.265	125.985

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
3385		0.175	3.265	5.000	7.862	8.058	8.909	11.185	6.178	122.781
3386		0.004	3.436	0.100	0.157	0.161	8.914	11.162	6.092	117.148
3387		0.000	3.440	0.000	0.000	0.000	8.914	11.162	6.090	0.000
3388	PROPULSORES PROA 0	3.530	0.000	100.000	149.483	153.220	156.014	0.000	4.334	0.000
3389		3.527	0.003	99.900	149.333	153.067	156.015	0.000	4.333	131.933
3390		3.357	0.173	95.000	142.009	145.559	156.030	0.000	4.247	122.036
3391		3.180	0.350	90.000	134.534	137.898	156.047	0.000	4.159	113.501
3392		3.000	0.530	85.000	127.060	130.237	156.063	0.000	4.071	109.038
3393		2.820	0.710	80.000	119.586	122.576	156.079	0.000	3.983	106.485
3394		2.640	0.890	75.000	112.112	114.915	156.094	0.000	3.896	106.819
3395		2.463	1.067	70.000	104.638	107.254	156.106	0.000	3.810	108.427
3396		2.287	1.243	65.000	97.164	99.593	156.116	0.000	3.723	110.943
3397		2.114	1.416	60.000	89.690	91.932	156.125	0.000	3.637	113.203
3398		1.941	1.589	55.000	82.216	84.271	156.132	0.000	3.550	114.820
3399		1.770	1.760	50.000	74.741	76.610	156.138	0.000	3.464	115.592
3400		1.600	1.930	45.000	67.267	68.949	156.143	0.000	3.377	115.668
3401		1.429	2.101	40.000	59.793	61.288	156.147	0.000	3.290	114.775
3402		1.258	2.272	35.000	52.319	53.627	156.150	0.000	3.202	113.222
3403		1.086	2.444	30.000	44.845	45.966	156.152	0.000	3.114	110.902
3404		0.912	2.618	25.000	37.371	38.305	156.153	0.000	3.025	107.596
3405		0.737	2.793	20.000	29.897	30.644	156.153	0.000	2.935	103.540
3406		0.559	2.971	15.000	22.422	22.983	156.152	0.000	2.843	98.350
3407		0.378	3.152	10.000	14.948	15.322	156.150	0.000	2.751	92.210
3408		0.192	3.338	5.000	7.474	7.661	156.148	0.000	2.656	84.976
3409		0.004	3.526	0.100	0.149	0.153	156.144	0.000	2.562	76.951
3410		0.000	3.530	0.000	0.000	0.000	156.144	0.000	2.560	0.000
3411	PROPULSORES PROA 1	3.443	0.000	100.000	259.250	265.732	155.824	0.000	8.107	0.000
3412		3.441	0.002	99.900	258.991	265.466	155.824	0.000	8.106	2358.934
3413		3.332	0.111	95.000	246.288	252.445	155.818	0.000	8.035	2192.101
3414		3.218	0.225	90.000	233.325	239.158	155.812	0.000	7.961	2025.978
3415		3.100	0.343	85.000	220.363	225.872	155.806	0.000	7.886	1864.215
3416		2.979	0.464	80.000	207.400	212.585	155.799	0.000	7.808	1706.963
3417		2.854	0.589	75.000	194.438	199.299	155.793	0.000	7.728	1555.294
3418		2.725	0.718	70.000	181.475	186.012	155.786	0.000	7.646	1408.073
3419		2.592	0.851	65.000	168.513	172.726	155.779	0.000	7.561	1265.041
3420		2.453	0.990	60.000	155.550	159.439	155.771	0.000	7.473	1127.178
3421		2.308	1.135	55.000	142.588	146.152	155.763	0.000	7.383	994.648
3422		2.156	1.287	50.000	129.625	132.866	155.755	0.000	7.289	867.681
3423		1.997	1.446	45.000	116.663	119.579	155.747	0.000	7.191	746.539
3424		1.828	1.615	40.000	103.700	106.293	155.739	0.000	7.089	633.004
3425		1.650	1.793	35.000	90.738	93.006	155.731	0.000	6.984	540.020
3426		1.462	1.981	30.000	77.775	79.719	155.722	0.000	6.873	452.419
3427		1.260	2.183	25.000	64.813	66.433	155.714	0.000	6.757	370.031
3428		1.043	2.400	20.000	51.850	53.146	155.708	0.000	6.636	296.485
3429		0.809	2.634	15.000	38.888	39.860	155.704	0.000	6.509	243.734
3430		0.558	2.885	10.000	25.925	26.573	155.700	0.000	6.375	194.589
3431		0.288	3.155	5.000	12.962	13.287	155.702	0.000	6.236	159.645

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
3432		0.006	3.437	0.100	0.259	0.266	155.706	0.000	6.093	132.494
3433		0.000	3.443	0.000	0.000	0.000	155.706	0.000	6.090	0.000
3434	BOMBAS	3.530	0.000	100.000	101.928	104.477	138.533	-3.753	4.610	0.000
3435		3.528	0.002	99.900	101.826	104.372	138.533	-3.753	4.608	127.491
3436		3.417	0.113	95.000	96.832	99.253	138.531	-3.711	4.535	116.110
3437		3.300	0.230	90.000	91.735	94.029	138.530	-3.668	4.458	104.988
3438		3.178	0.352	85.000	86.639	88.805	138.528	-3.626	4.379	94.595
3439		3.053	0.477	80.000	81.543	83.581	138.527	-3.583	4.298	85.054
3440		2.922	0.608	75.000	76.446	78.357	138.525	-3.541	4.215	76.104
3441		2.787	0.743	70.000	71.350	73.134	138.524	-3.499	4.129	67.633
3442		2.645	0.885	65.000	66.253	67.910	138.523	-3.457	4.041	59.873
3443		2.498	1.032	60.000	61.157	62.686	138.522	-3.415	3.950	52.901
3444		2.344	1.186	55.000	56.061	57.462	138.521	-3.374	3.856	46.387
3445		2.183	1.347	50.000	50.964	52.238	138.520	-3.333	3.759	40.486
3446		2.015	1.515	45.000	45.868	47.014	138.519	-3.292	3.659	35.250
3447		1.838	1.692	40.000	40.771	41.791	138.518	-3.252	3.556	30.460
3448		1.652	1.878	35.000	35.675	36.567	138.516	-3.211	3.448	26.229
3449		1.457	2.073	30.000	30.578	31.343	138.515	-3.171	3.337	22.417
3450		1.251	2.279	25.000	25.482	26.119	138.513	-3.130	3.222	19.034
3451		1.033	2.497	20.000	20.386	20.895	138.510	-3.089	3.101	16.014
3452		0.801	2.729	15.000	15.289	15.671	138.507	-3.048	2.976	13.297
3453		0.554	2.976	10.000	10.193	10.448	138.502	-3.005	2.844	10.899
3454		0.288	3.242	5.000	5.096	5.224	138.496	-2.962	2.706	8.745
3455		0.006	3.524	0.100	0.102	0.104	138.489	-2.918	2.563	6.837
3456		0.000	3.530	0.000	0.000	0.000	138.488	-2.917	2.560	0.000
3457	SPRINKLES	3.530	0.000	100.000	101.928	104.477	138.533	3.753	4.610	0.000
3458		3.528	0.002	99.900	101.826	104.372	138.533	3.753	4.608	127.491
3459		3.417	0.113	95.000	96.832	99.253	138.531	3.711	4.535	116.110
3460		3.300	0.230	90.000	91.735	94.029	138.530	3.668	4.458	104.988
3461		3.178	0.352	85.000	86.639	88.805	138.528	3.626	4.379	94.595
3462		3.053	0.477	80.000	81.543	83.581	138.527	3.583	4.298	85.054
3463		2.922	0.608	75.000	76.446	78.357	138.525	3.541	4.215	76.104
3464		2.787	0.743	70.000	71.350	73.134	138.524	3.499	4.129	67.633
3465		2.645	0.885	65.000	66.253	67.910	138.523	3.457	4.041	59.873
3466		2.498	1.032	60.000	61.157	62.686	138.522	3.415	3.950	52.901
3467		2.344	1.186	55.000	56.061	57.462	138.521	3.374	3.856	46.387
3468		2.183	1.347	50.000	50.964	52.238	138.520	3.333	3.759	40.486
3469		2.015	1.515	45.000	45.868	47.014	138.519	3.292	3.659	35.250
3470		1.838	1.692	40.000	40.771	41.791	138.518	3.252	3.556	30.460
3471		1.652	1.878	35.000	35.675	36.567	138.516	3.211	3.448	26.229
3472		1.457	2.073	30.000	30.578	31.343	138.515	3.171	3.337	22.417
3473		1.251	2.279	25.000	25.482	26.119	138.513	3.130	3.222	19.033
3474		1.033	2.497	20.000	20.386	20.895	138.510	3.089	3.101	16.014
3475		0.801	2.729	15.000	15.289	15.671	138.507	3.048	2.976	13.297
3476		0.554	2.976	10.000	10.193	10.448	138.502	3.005	2.844	10.899
3477		0.288	3.242	5.000	5.096	5.224	138.496	2.962	2.706	8.745
3478		0.006	3.524	0.100	0.102	0.104	138.489	2.918	2.563	6.837

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m ³	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
3479		0.000	3.530	0.000	0.000	0.000	138.488	2.917	2.560	0.000
3480	LOCAL HIDROFOROS	3.440	0.000	100.000	239.214	245.195	138.693	-6.114	8.000	0.000
3481		3.437	0.003	99.900	238.975	244.950	138.693	-6.113	7.998	912.819
3482		3.307	0.133	95.000	227.254	232.935	138.688	-6.060	7.923	876.214
3483		3.173	0.267	90.000	215.293	220.675	138.683	-6.004	7.845	838.269
3484		3.036	0.404	85.000	203.332	208.416	138.678	-5.946	7.765	799.480
3485		2.896	0.544	80.000	191.372	196.156	138.673	-5.887	7.685	759.815
3486		2.755	0.685	75.000	179.411	183.896	138.667	-5.825	7.603	719.247
3487		2.610	0.830	70.000	167.450	171.636	138.662	-5.761	7.519	677.548
3488		2.462	0.978	65.000	155.489	159.377	138.656	-5.696	7.434	634.873
3489		2.311	1.129	60.000	143.529	147.117	138.650	-5.628	7.347	592.574
3490		2.155	1.285	55.000	131.568	134.857	138.644	-5.558	7.258	550.668
3491		1.996	1.444	50.000	119.607	122.597	138.638	-5.485	7.167	508.804
3492		1.832	1.608	45.000	107.646	110.338	138.631	-5.410	7.074	466.667
3493		1.663	1.777	40.000	95.686	98.078	138.625	-5.332	6.979	424.078
3494		1.487	1.953	35.000	83.725	85.818	138.618	-5.251	6.881	382.223
3495		1.305	2.135	30.000	71.764	73.558	138.611	-5.168	6.780	341.714
3496		1.116	2.324	25.000	59.804	61.299	138.604	-5.081	6.676	302.070
3497		0.917	2.523	20.000	47.843	49.039	138.597	-4.992	6.568	262.973
3498		0.708	2.732	15.000	35.882	36.779	138.590	-4.899	6.456	225.711
3499		0.487	2.953	10.000	23.921	24.519	138.583	-4.803	6.339	190.551
3500		0.252	3.188	5.000	11.961	12.260	138.577	-4.705	6.218	157.364
3501		0.005	3.435	0.100	0.239	0.245	138.570	-4.609	6.093	128.281
3502		0.000	3.440	0.000	0.000	0.000	138.570	-4.607	6.090	0.000
3503	PLANTA SEPTICA	3.440	0.000	100.000	239.214	245.195	138.693	6.114	8.000	0.000
3504		3.437	0.003	99.900	238.975	244.950	138.693	6.113	7.998	912.819
3505		3.307	0.133	95.000	227.254	232.935	138.688	6.060	7.923	876.214
3506		3.173	0.267	90.000	215.293	220.675	138.683	6.004	7.845	838.269
3507		3.036	0.404	85.000	203.332	208.416	138.678	5.946	7.765	799.480
3508		2.896	0.544	80.000	191.372	196.156	138.673	5.887	7.685	759.815
3509		2.755	0.685	75.000	179.411	183.896	138.667	5.825	7.603	719.246
3510		2.610	0.830	70.000	167.450	171.636	138.662	5.761	7.519	677.548
3511		2.462	0.978	65.000	155.489	159.377	138.656	5.696	7.434	634.873
3512		2.311	1.129	60.000	143.529	147.117	138.650	5.628	7.347	592.573
3513		2.155	1.285	55.000	131.568	134.857	138.644	5.558	7.258	550.668
3514		1.996	1.444	50.000	119.607	122.597	138.638	5.485	7.167	508.804
3515		1.832	1.608	45.000	107.646	110.338	138.631	5.410	7.074	466.667
3516		1.663	1.777	40.000	95.686	98.078	138.625	5.332	6.979	424.078
3517		1.487	1.953	35.000	83.725	85.818	138.618	5.251	6.881	382.223
3518		1.305	2.135	30.000	71.764	73.558	138.611	5.168	6.780	341.714
3519		1.116	2.324	25.000	59.804	61.299	138.604	5.081	6.676	302.070
3520		0.917	2.523	20.000	47.843	49.039	138.597	4.992	6.568	262.973
3521		0.708	2.732	15.000	35.882	36.779	138.590	4.899	6.456	225.711
3522		0.487	2.953	10.000	23.921	24.519	138.583	4.803	6.339	190.551
3523		0.252	3.188	5.000	11.961	12.260	138.577	4.705	6.218	157.364
3524		0.005	3.435	0.100	0.239	0.245	138.570	4.609	6.093	128.281
3525		0.000	3.440	0.000	0.000	0.000	138.570	4.607	6.090	0.000

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m^3	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
3526	LOCAL ESTABILIZADORES BR 0	3.530	0.000	100.000	155.606	159.496	87.921	-11.181	4.354	0.000
3527		3.527	0.003	99.900	155.450	159.337	87.921	-11.181	4.352	124.704
3528		3.357	0.173	95.000	147.826	151.521	87.919	-11.179	4.267	124.704
3529		3.184	0.346	90.000	140.045	143.546	87.918	-11.176	4.180	124.704
3530		3.012	0.518	85.000	132.265	135.572	87.916	-11.172	4.093	124.704
3531		2.839	0.691	80.000	124.485	127.597	87.914	-11.168	4.006	124.704
3532		2.666	0.864	75.000	116.704	119.622	87.911	-11.164	3.919	124.704
3533		2.493	1.037	70.000	108.924	111.647	87.908	-11.159	3.832	124.704
3534		2.320	1.210	65.000	101.144	103.672	87.905	-11.153	3.745	124.704
3535		2.148	1.382	60.000	93.364	95.698	87.901	-11.146	3.657	124.704
3536		1.975	1.555	55.000	85.583	87.723	87.897	-11.138	3.570	124.704
3537		1.802	1.728	50.000	77.803	79.748	87.892	-11.128	3.482	124.704
3538		1.629	1.901	45.000	70.023	71.773	87.885	-11.116	3.394	124.503
3539		1.456	2.074	40.000	62.242	63.798	87.878	-11.102	3.305	123.724
3540		1.283	2.247	35.000	54.462	55.824	87.870	-11.085	3.216	122.154
3541		1.108	2.422	30.000	46.682	47.849	87.861	-11.064	3.126	119.735
3542		0.932	2.598	25.000	38.901	39.874	87.853	-11.040	3.035	116.133
3543		0.754	2.776	20.000	31.121	31.899	87.845	-11.013	2.943	111.363
3544		0.572	2.958	15.000	23.341	23.924	87.836	-10.982	2.850	105.325
3545		0.387	3.143	10.000	15.561	15.950	87.826	-10.947	2.755	98.452
3546		0.196	3.334	5.000	7.780	7.975	87.815	-10.908	2.659	90.707
3547		0.004	3.526	0.100	0.156	0.159	87.802	-10.866	2.562	82.199
3548		0.000	3.530	0.000	0.000	0.000	87.802	-10.865	2.560	0.000
3549	LOCAL ESTABILIZADORES ES 0	3.530	0.000	100.000	155.606	159.496	87.921	11.181	4.354	0.000
3550		3.527	0.003	99.900	155.450	159.337	87.921	11.181	4.352	124.704
3551		3.357	0.173	95.000	147.826	151.521	87.919	11.179	4.267	124.704
3552		3.184	0.346	90.000	140.045	143.546	87.918	11.176	4.180	124.704
3553		3.012	0.518	85.000	132.265	135.572	87.916	11.172	4.093	124.704
3554		2.839	0.691	80.000	124.485	127.597	87.914	11.168	4.006	124.704
3555		2.666	0.864	75.000	116.704	119.622	87.911	11.164	3.919	124.704
3556		2.493	1.037	70.000	108.924	111.647	87.908	11.159	3.832	124.704
3557		2.320	1.210	65.000	101.144	103.672	87.905	11.153	3.745	124.704
3558		2.148	1.382	60.000	93.364	95.698	87.901	11.146	3.657	124.704
3559		1.975	1.555	55.000	85.583	87.723	87.897	11.138	3.570	124.704
3560		1.802	1.728	50.000	77.803	79.748	87.892	11.128	3.482	124.704
3561		1.629	1.901	45.000	70.023	71.773	87.885	11.116	3.394	124.503
3562		1.456	2.074	40.000	62.242	63.798	87.878	11.102	3.305	123.724
3563		1.283	2.247	35.000	54.462	55.824	87.870	11.085	3.216	122.154
3564		1.108	2.422	30.000	46.682	47.849	87.861	11.064	3.126	119.735
3565		0.932	2.598	25.000	38.901	39.874	87.853	11.040	3.035	116.133
3566		0.754	2.776	20.000	31.121	31.899	87.845	11.013	2.943	111.363
3567		0.572	2.958	15.000	23.341	23.924	87.836	10.982	2.850	105.325
3568		0.387	3.143	10.000	15.561	15.950	87.826	10.947	2.755	98.452
3569		0.196	3.334	5.000	7.780	7.975	87.815	10.908	2.659	90.707
3570		0.004	3.526	0.100	0.156	0.159	87.802	10.866	2.562	82.199
3571		0.000	3.530	0.000	0.000	0.000	87.802	10.865	2.560	0.000
3572	LOCAL ESTABILIZADORES BR 1	3.440	0.000	100.000	154.893	158.766	87.950	-11.235	7.810	0.000

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m ³	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
3573		3.437	0.003	99.900	154.739	158.607	87.950	-11.235	7.808	124.704
3574		3.268	0.172	95.000	147.149	150.827	87.950	-11.235	7.724	124.704
3575		3.096	0.344	90.000	139.404	142.889	87.950	-11.235	7.638	124.704
3576		2.924	0.516	85.000	131.659	134.951	87.950	-11.235	7.552	124.704
3577		2.752	0.688	80.000	123.915	127.013	87.950	-11.235	7.466	124.704
3578		2.580	0.860	75.000	116.170	119.074	87.950	-11.235	7.380	124.704
3579		2.408	1.032	70.000	108.425	111.136	87.950	-11.235	7.294	124.704
3580		2.236	1.204	65.000	100.681	103.198	87.950	-11.235	7.208	124.704
3581		2.064	1.376	60.000	92.936	95.259	87.950	-11.235	7.122	124.704
3582		1.892	1.548	55.000	85.191	87.321	87.950	-11.235	7.036	124.704
3583		1.720	1.720	50.000	77.447	79.383	87.950	-11.235	6.950	124.704
3584		1.548	1.892	45.000	69.702	71.445	87.950	-11.235	6.864	124.704
3585		1.376	2.064	40.000	61.957	63.506	87.950	-11.235	6.778	124.704
3586		1.204	2.236	35.000	54.213	55.568	87.950	-11.235	6.692	124.704
3587		1.032	2.408	30.000	46.468	47.630	87.950	-11.235	6.606	124.704
3588		0.860	2.580	25.000	38.723	39.691	87.950	-11.235	6.520	124.704
3589		0.688	2.752	20.000	30.979	31.753	87.950	-11.235	6.434	124.704
3590		0.516	2.924	15.000	23.234	23.815	87.950	-11.235	6.348	124.704
3591		0.344	3.096	10.000	15.489	15.877	87.950	-11.235	6.262	124.704
3592		0.172	3.268	5.000	7.745	7.938	87.950	-11.235	6.176	124.704
3593		0.003	3.437	0.100	0.155	0.159	87.950	-11.235	6.092	124.704
3594		0.000	3.440	0.000	0.000	0.000	87.950	-11.235	6.090	0.000
3595	LOCAL ESTABILIZADORES ES 1	3.440	0.000	100.000	154.893	158.766	87.950	11.235	7.810	0.000
3596		3.437	0.003	99.900	154.739	158.607	87.950	11.235	7.808	124.704
3597		3.268	0.172	95.000	147.149	150.827	87.950	11.235	7.724	124.704
3598		3.096	0.344	90.000	139.404	142.889	87.950	11.235	7.638	124.704
3599		2.924	0.516	85.000	131.659	134.951	87.950	11.235	7.552	124.704
3600		2.752	0.688	80.000	123.915	127.013	87.950	11.235	7.466	124.704
3601		2.580	0.860	75.000	116.170	119.074	87.950	11.235	7.380	124.704
3602		2.408	1.032	70.000	108.425	111.136	87.950	11.235	7.294	124.704
3603		2.236	1.204	65.000	100.681	103.198	87.950	11.235	7.208	124.704
3604		2.064	1.376	60.000	92.936	95.259	87.950	11.235	7.122	124.704
3605		1.892	1.548	55.000	85.191	87.321	87.950	11.235	7.036	124.704
3606		1.720	1.720	50.000	77.447	79.383	87.950	11.235	6.950	124.704
3607		1.548	1.892	45.000	69.702	71.445	87.950	11.235	6.864	124.704
3608		1.376	2.064	40.000	61.957	63.506	87.950	11.235	6.778	124.704
3609		1.204	2.236	35.000	54.213	55.568	87.950	11.235	6.692	124.704
3610		1.032	2.408	30.000	46.468	47.630	87.950	11.235	6.606	124.704
3611		0.860	2.580	25.000	38.723	39.691	87.950	11.235	6.520	124.704
3612		0.688	2.752	20.000	30.979	31.753	87.950	11.235	6.434	124.704
3613		0.516	2.924	15.000	23.234	23.815	87.950	11.235	6.348	124.704
3614		0.344	3.096	10.000	15.489	15.877	87.950	11.235	6.262	124.704
3615		0.172	3.268	5.000	7.745	7.938	87.950	11.235	6.176	124.704
3616		0.003	3.437	0.100	0.155	0.159	87.950	11.235	6.092	124.704
3617		0.000	3.440	0.000	0.000	0.000	87.950	11.235	6.090	0.000
3618	LOCAL DEPURADORAS - GARAJE	6.970	0.000	100.000	8466.830	8678.501	88.680	0.007	6.038	0.000
3619		6.963	0.007	99.900	8458.363	8669.823	88.680	0.007	6.035	26879.358

Academic Version

	Tank Name	Sounding m	Ullage m	% Full	Capacity m ³	Capacity tonne	LCG m	TCG m	VCG m	FSM tonne.m
3808		2.586	0.854	75.000	206.601	211.766	-5.509	0.000	7.394	5693.635
3809		2.415	1.025	70.000	192.827	197.648	-5.509	0.000	7.309	5693.635
3810		2.245	1.195	65.000	179.054	183.530	-5.510	0.000	7.224	5693.635
3811		2.074	1.366	60.000	165.281	169.413	-5.510	0.000	7.138	5693.635
3812		1.903	1.537	55.000	151.507	155.295	-5.511	0.000	7.053	5693.635
3813		1.732	1.708	50.000	137.734	141.177	-5.511	0.000	6.967	5693.635
3814		1.562	1.878	45.000	123.960	127.059	-5.512	0.000	6.882	5693.635
3815		1.391	2.049	40.000	110.187	112.942	-5.513	0.000	6.796	5693.635
3816		1.220	2.220	35.000	96.414	98.824	-5.514	0.000	6.710	5693.635
3817		1.049	2.391	30.000	82.640	84.706	-5.515	0.000	6.625	5693.635
3818		0.878	2.562	25.000	68.867	70.589	-5.517	0.000	6.539	5693.635
3819		0.708	2.732	20.000	55.093	56.471	-5.520	0.000	6.453	5682.905
3820		0.536	2.904	15.000	41.320	42.353	-5.526	0.000	6.366	5604.115
3821		0.364	3.076	10.000	27.547	28.235	-5.537	0.000	6.279	5499.459
3822		0.191	3.249	5.000	13.773	14.118	-5.569	0.000	6.190	5339.031
3823		0.005	3.435	0.100	0.275	0.282	-5.702	0.000	6.092	4544.023
3824		0.000	3.440	0.000	0.000	0.000	-5.705	0.000	6.090	0.000