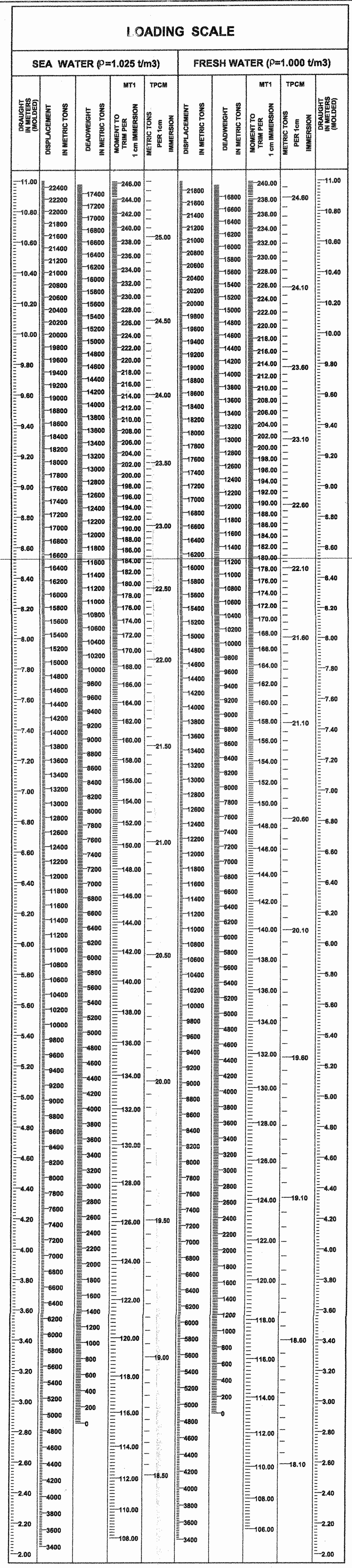
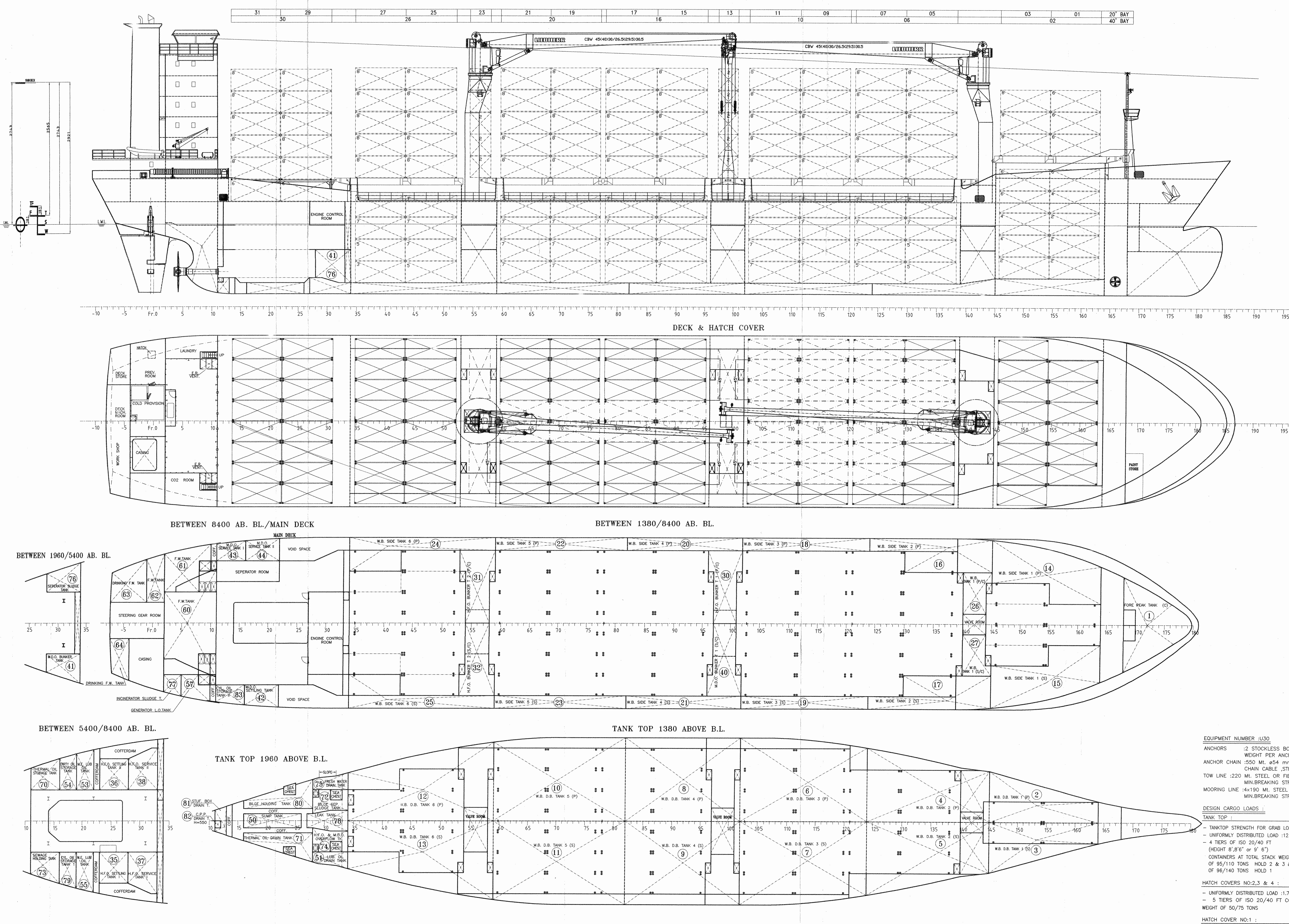


LOAD LINE	FREEBOARD (m)	DRAFT Molded (m)	DRAFT Extr. (m)	DISPLACEMENT (ton)	DEADWEIGHT (ton)
SUMMER	2.743	8.522	8.537	16538	11643
TROPICAL FRESH WATER	2.384	8.881	8.896	16939	12044
FRESH WATER	2.562	8.703	8.718	16538	11643
TROPICAL	2.565	8.700	8.715	17047	12152
WINTER	2.921	8.344	8.359	16134	11239

M/V ADNAN BAYRAKTAR



46	46	40	40	10	40	40	40	40	10	40	40	40	40		24	18	TEU (FEU)	DECK 554
46		40		–	40		40		–	40		40			18(6)		FEU (TEU)	264(6)
		22	26	–	28	28	28	28	–	28	28	26	24		22	16	TEU (FEU)	HOLD 304
		22(4)			28		28			28		24(2)			16(6)		FEU (TEU)	146(12)
																CONTAINER CAPACITY	TEU (FEU)	TOTAL 858
																	FEU (TEU)	410(18)

FULL LOADED HOLDS PROPERTIES

	LCG (m.)	VCG (m.)	TCG (m.)	TRIMMED GRAIN VOLUME (m³)	TRIMMED GRAIN HM (m⁴)	TRIMMED GRAIN HM*1.06 (m⁴)	UNTRIMMED GRAIN VOLUME (m³)	UNTRIMMED GRAIN HM (m⁴)
HOLD 1	107.941	10.598	0.000	2006.1	196.6	208.4	2004.9	209.5
HOLD 2	84.334	7.393	0.000	5267.2	535.7	567.8	5263.3	500
HOLD 3	54.600	7.223	0.000	5517.8	535.8	567.9	5513.9	500.1
HOLD 4	31.227	7.761	0.000	2488.6	274.7	291.2	2486.9	256.4
TOTALS				15279.7	1542.8	1635.368	15269	1466

CAPACITY OF BALLAST TANKS

T.NO	COMPARTMENTS	FRAME	VOLUME (m³)	DENSITY (ton/m³)	WEIGHT (ton)	V.C.G. (m.)	L.C.G. (m.)	T.C.G. (m.)	F.S.I. (m⁴)
1	FORE PEAK TANK (C)	168–FORE	246.020	1.025	252.171	4.518	122.499	0.000	70.45
2	D.B. BALLAST TANK 1 (P)	145–164	94.110	1.025	96.463	1.076	107.460	–2.024	130.2
3	D.B. BALLAST TANK 1 (S)	145–164	94.110	1.025	96.463	1.076	107.460	2.024	130.2
4	D.B. BALLAST TANK 2 (P)	124–145	146.800	1.025	150.470	0.767	94.243	–3.566	607.9
5	D.B. BALLAST TANK 2 (S)	124–145	146.800	1.025	150.470	0.767	94.243	3.566	607.9
6	D.B. BALLAST TANK 3 (P)	102–124	198.060	1.025	203.012	0.706	79.285	–4.779	1310.
7	D.B. BALLAST TANK 3 (S)	102–124	198.060	1.025	203.012	0.706	79.285	4.779	1310.
8	D.B. BALLAST TANK 4 (P)	82–102	188.450	1.025	193.161	0.704	64.750	–4.983	1305.
9	D.B. BALLAST TANK 4 (S)	82–102	188.450	1.025	193.161	0.704	64.750	4.983	1305.
10	D.B. BALLAST TANK 5 (P)	59–82	212.890	1.025	218.212	0.705	49.807	–4.905	1419.
11	D.B. BALLAST TANK 5 (S)	59–82	212.890	1.025	218.212	0.705	49.807	4.905	1419.
12	D.B. BALLAST TANK 6 (P)	34–59	172.480	1.025	176.792	0.724	33.762	–3.788	860.1
13	D.B. BALLAST TANK 6 (S)	34–59	172.480	1.025	176.792	0.724	33.762	3.788	860.1
14	SIDE TANK 1 (P)	145–164	319.130	1.025	327.108	7.123	108.313	–5.253	122.0
15	SIDE TANK 1 (S)	145–164	319.130	1.025	327.108	7.123	108.313	5.253	122.0
16	SIDE TANK 2 (P)	124–145	219.450	1.025	224.936	4.875	94.187	–8.045	49.22
17	SIDE TANK 2 (S)	124–145	219.450	1.025	224.936	4.875	94.187	8.045	49.22
18	SIDE TANK 3 (P)	102–124	172.450	1.025	176.761	4.799	79.826	–9.447	25.14
19	SIDE TANK 3 (S)	102–124	172.450	1.025	176.761	4.799	79.826	9.447	25.14
20	SIDE TANK 4 (P)	82–102	149.730	1.025	153.473	4.898	64.750	–9.625	4.280
21	SIDE TANK 4 (S)	82–102	149.730	1.025	153.473	4.898	64.750	9.625	4.280
22	SIDE TANK 5 (P)	59–82	171.270	1.025	175.552	4.914	49.733	–9.621	4.920
23	SIDE TANK 5 (S)	59–82	171.270	1.025	175.552	4.914	49.733	9.621	4.920
24	SIDE TANK 6 (P)	34–59	258.900	1.025	265.373	4.445	31.879	–7.971	168.82
25	SIDE TANK 6 (S)	34–59	258.900	1.025	265.373	4.445	31.879	7.971	168.82
26	WATER BALLAST TANK 1 (P)	140–145	103.400	1.025	105.985	4.975	99.910	–3.883	33.400
27	WATER BALLAST TANK 1 (S)	140–145	103.400	1.025	105.985	4.975	99.910	3.883	33.400
	TOTAL		5060.260		5186.767	3.450	74.758	0.000	12154.2

CAPACITY OF HEAVY FUEL TANKS

T.NO	COMPARTMENTS	FRAME	VOLUME (m³)	DENSITY (ton/m³)	WEIGHT (ton)	V.C.G. (m.)	L.C.G. (m.)	T.C.G. (m.)	F.S.I. (m⁴)
30	H.F.O. BUNKER TANK 1 (P/C)	96–102	181.720	0.980	178.086	5.012	69.650	–5.143	191.71
31	H.F.O. BUNKER TANK 2 (P/C)	53–59	181.720	0.980	178.086	5.012	39.550	–5.143	191.71
32	H.F.O. BUNKER TANK 2 (S/C)	53–59	152.550	0.980	149.499	5.290	39.559	5.636	190.87
33	–								
34	–								
35	H.F.O. SETTLING TANK 1 (S)	23–28	37.080	0.980	36.338	6.960	18.234	5.595	15.510
36	H.F.O. SETTLING TANK 2 (P)	23–28	37.080	0.980	36.338	6.960	18.234	5.595	15.510
37	H.F.O. SERVICE TANK 1 (S)	28–33	46.270	0.980	45.345	6.923	21.788	6.043	28.490
38	H.F.O. SERVICE TANK 2 (P)	28–33	46.270	0.980	45.345	6.923	21.788	6.043	28.490
	TOTAL		682.690		669.037	5.545	42.841	–1.479	646.78

CAPACITY OF M.D.O. TANKS

T.NO	COMPARTMENTS	FRAME	VOLUME (m³)	DENSITY (ton/m³)	WEIGHT (ton)	V.C.G. (m.)	L.C.G. (m.)	T.C.G. (m.)	F.S.I. (m⁴)
40	M.D.O. BUNKER TANK 1 (S/C)	96–102	152.570	0.850	129.685	5.291	69.659	5.636	190.88
41	M.D.O. BUNKER TANK (S)	28–34	45.700	0.850	38.845	3.751	22.253	5.341	25.510
42	M.D.O. SETTLING TANK (S)	16–22	22.550	0.850	19.168	10.057	13.760	8.604	6.460
43	M.D.O. SERVICE TANK 1 (P)	11–16	12.520	0.850	10.642	10.293	9.944	–8.420	3.680
44	M.D.O. SERVICE TANK 2 (P)	16–22	22.550	0.850	19.168	10.057	13.760	–8.604	6.480
45	EMG. GENERATOR SERVICE TANK	–4–(–3)	0.590	0.850	0.502	18.050	–1.450	–2.730	0.020
46	INCINERATOR & THERMAL OIL T	1–2	0.680	0.850	0.578	14.950	1.300	5.480	0.020
	TOTAL		257.160		218.586	6.140	13.278	1.254	233.05

CAPACITY OF LUB OIL TANKS

T.NO	COMPARTMENTS	FRAME	VOLUME (m³)	DENSITY (ton/m³)	WEIGHT (ton)	V.C.G. (m.)	L.C.G. (m.)	T.C.G. (m.)	F.S.I. (m⁴)
50	M.E. SUMP TANK (C)	16–26	15.880	0.900	14.292	0.694	15.065	0.000	2.720
53	M.E. LUB OIL TANK (P)	19–22	19.150	0.900	17.235	7.187	14.743	–5.500	19.210
55	M.E. LUB OIL TANK (S)	19–22	19.150	0.900	17.235	7.187	14.743	5.500	19.210
57	GEN. LUB OIL TANK	5–10	10.750	0.900	9.675	10.456	5.419	7.577	5.860
	TOTAL		64.930		58.437	6.140	13.278	1.254	47.000

CAPACITY OF FRESH WATER TANKS

T.NO	COMPARTMENTS	FRAME	VOLUME (m³)	DENSITY (ton/m³)	WEIGHT (ton)	V.C.G. (m.)	L.C.G. (m.)	T.C.G. (m.)	F.S.I. (m⁴)
60	AFT PEAK FRESH WATER (C)	2–11	74.310	1.000	74.310	7.011	5.383	0.000	303.820
61	FRESH WATER TANK 1 (P)	2–10	42.970	1.000	42.970	10.145	4.178	–5.890	58.770
62	FRESH WATER TANK 2 (P)	(–1)–2	20.520	1.000	20.520	10.155	0.750	–4.551	29.640
63	DRINKING F.W. TANK (P)	TRA.–(–1)	26.940	1.000	26.940	10.418	–2.380	–4.113	34.940
64	DRINKING F.W. TANK (S)	TRA.–(–4)	15.670	1.000	15.670	10.451	–3.700	3.509	21.490
	TOTAL		180.410		180.410	8.923	2.621	–2.230	448.660

CAPACITY OF OTHER TANKS

T.NO	COMPARTMENTS	FRAME	VOLUME (m³)	DENSITY (ton/m³)	WEIGHT (ton)	V.C.G. (m.)	L.C.G. (m.)	T.C.G. (m.)	F.S.I. (m⁴)
70	THERMAL OIL STORAGE TANK (P)	11–16	12.770	0.900	11.493	7.660	10.067	–4.949	12.120
71	THERMAL OIL DRAIN TANK (S)	16–28	23.510	0.900	21.159	1.184	16.795	2.479	11.870
72	BILGE SEP. SLUDGE TANK (P)	28–34	13.630	1.000	13.630	0.858	21.807	–2.231	4.370
73	SEWAGE HOLDING TANK (S)	11–16	12.770	1.000	12.770	7.660	10.067	4.949	12.120
74	HFO–MDO OVERFLOW TANK (S)	28–34	13.630	0.980	13.357	0.858	21.807	2.231	4.370
75	FRESH WATER DRAIN TANK (P)	28–34	6.100	1.000	6.100	1.100	22.124	–4.434	1.810
76	SEPERATOR SLUDGE TANK (P)	28–34	45.700	1.000	45.700	3.751	22.253	5.341	25.510
77	INCINERATOR SLUDGE TANK (S)	2–5	5.160	1.000	5.160	10.585	2.888	7.147	2.310
78	LEAK TANK (C)	27–34	17.550	1.000	17.550	0.836	21.704	0.000	4.700
79	CYLINDER OIL STORAGE TANK 1 (S)	16–19	14.170	0.900	12.753	7.338	12.665	5.225	13.550
80	BILGE HOLDING TANK (P)	16–28	23.510	1.000	23.510	1.184	16.795	–2.479	11.870
81	STUF. BOX DRAIN TANK (P)	11–13	5.530	1.000	5.530	1.162	8.812	–0.025	3.160
82	C.P.P. DRAIN TANK (S)	11–12	0.320	1.000	0.320	1.685	8.400	0.420	0.030
83	CYLINDER OIL STORAGE TANK 2 (S)	11–16	12.520	0.900	11.268	10.293	9.944	8.420	3.680
51	LUB OIL DRAIN TANK (S)	28–34	6.100	0.900	5.490	1.100	22.124	4.434	1.810
54	DIRTY OIL STORAGE TANK (P)	16–19	14.170	0.900	12.753	7.338	12.665	–5.225	13.550
	TOTAL		227.140		218.540	3.777	17.107	–0.527	126.830

MAIN DIMENSION

LENGTH OVERALL =137,420 Mt.
LENGTH BP. =124,088 Mt.
BREADTH =20,800 Mt.
DEPTH = 11,250 Mt.
DRAFT (SUMMER) = 8,522 Mt.
DISPLACEMENT = 16538 t.
DEADWEIGHT = 11643 t.
LIGHT SHIP = 4895 t.

TO CLASS " ✠ A1, (E) , CONTAINER SHIP "

EQUIPMENT NUMBER :U30
ANCHORS :2 STOCKLESS BOWER ANCHORS WEIGHT PER ANCHOR 4890 KG.
ANCHOR CHAIN :550 Mt. ø54 mm.STUD LINK CHAIN CABLE ,STEEL GRADE 3
TOW LINE :220 Mt. STEEL OR FIBRE ROPE, MIN.BREAKING STRENGTH 940 KN.
MOORING LINE :4x190 Mt. STEEL OR FIBRE ROPE, MIN.BREAKING STRENGTH 335 KN.

DESIGN CARGO LOADS :
TANK TOP :
- TANKTOP STRENGTH FOR GRAB LOAD/DISCHARGE
- UNIFORMLY DISTRIBUTED LOAD :12 TON/m²
- 4 TIERS OF ISO 20/40 FT (HEIGHT 8',8'6" or 9' 6") CONTAINERS AT TOTAL STACK WEIGTH OF 95/110 TONS HOLD 2 & 3 & 4 OF 96/140 TONS HOLD 1

HATCH COVERS NO:2,3 & 4 :
- UNIFORMLY DISTRIBUTED LOAD :1.75 TON/m²
- 5 TIERS OF ISO 20/40 FT CONTAINERS AT TOTAL STACK WEIGHT OF 50/75 TONS

HATCH COVER NO:1 :
- UNIFORMLY DISTRIBUTED LOAD :1.75 TON/m²
- 3 TIERS OF ISO 20/40 FT CONTAINERS AT TOTAL STACK WEIGHT OF 50/75 TONS

MAIN DECK ABOVE ENGINE ROOM :
- UNIFORMLY DISTRIBUTED LOAD :1.75 TON/m²
- 5 TIERS OF ISO 20/40 FT CONTAINERS AT TOTAL STACK WEIGHT OF 40/60 TONS

NO.	DATE	REVISED BY	REVISION	CHECKED BY

MAVİ EGE

11643 DWT MULTI PURPOSE CONTAINER SHIP (858 TEU)

CAPACITY PLAN

SHIPYARD	*DENTAS SHIPYARD*	HULL NO 69	CLASS A.B.S.
DESIGNED BY	ÖZMARIN		
CAD/CAE	GÖKHAN GÖKE		
CONTROL	RAZİYE SABAN GÖKE		
OWNER *YANIKTAS DENIZCILIK SAN. VE TIC. A.S. (BAYRAKTAR GRUP)*	DATE 12.01.2004	SCALE 1/150	DRW.N. MPCV3-D-04

MAVİ EGE MÜHENDİSLİK LTD. ŞTİ.