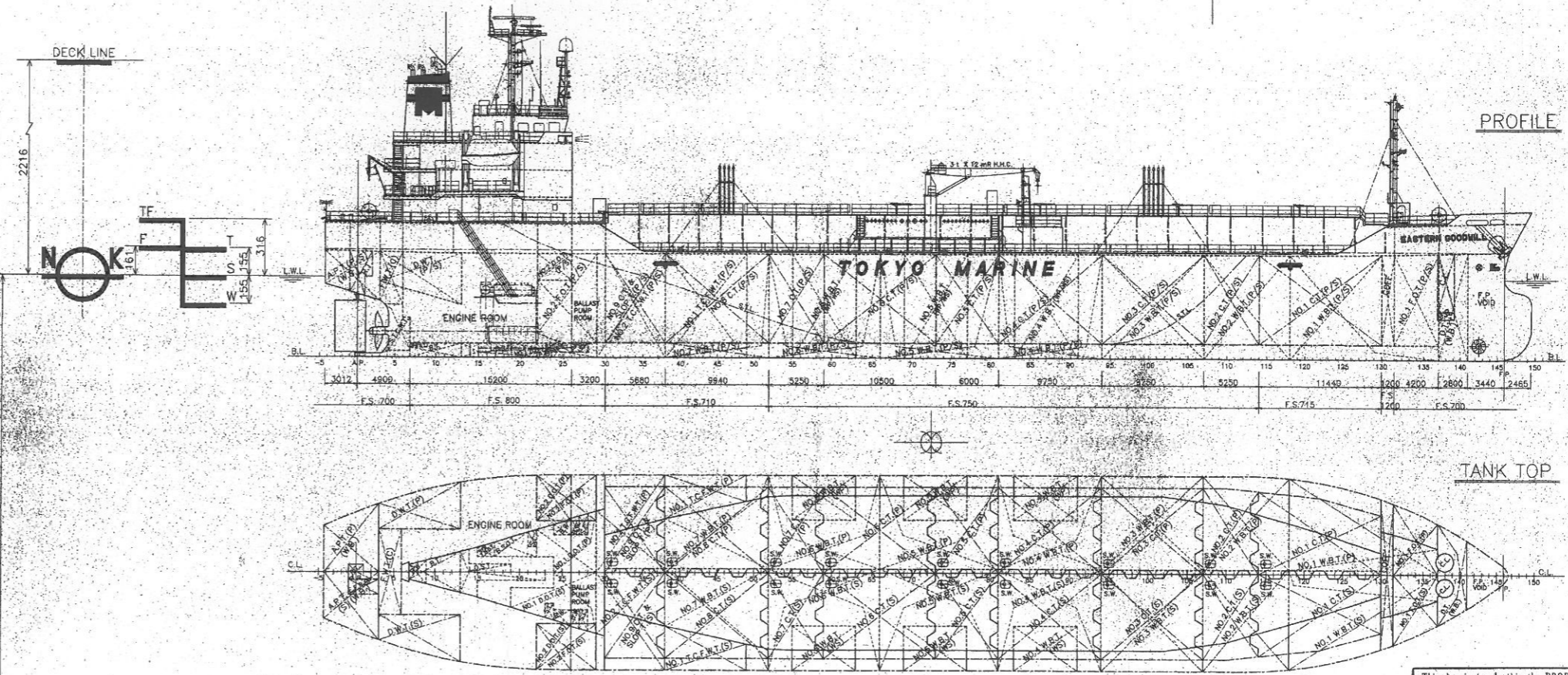
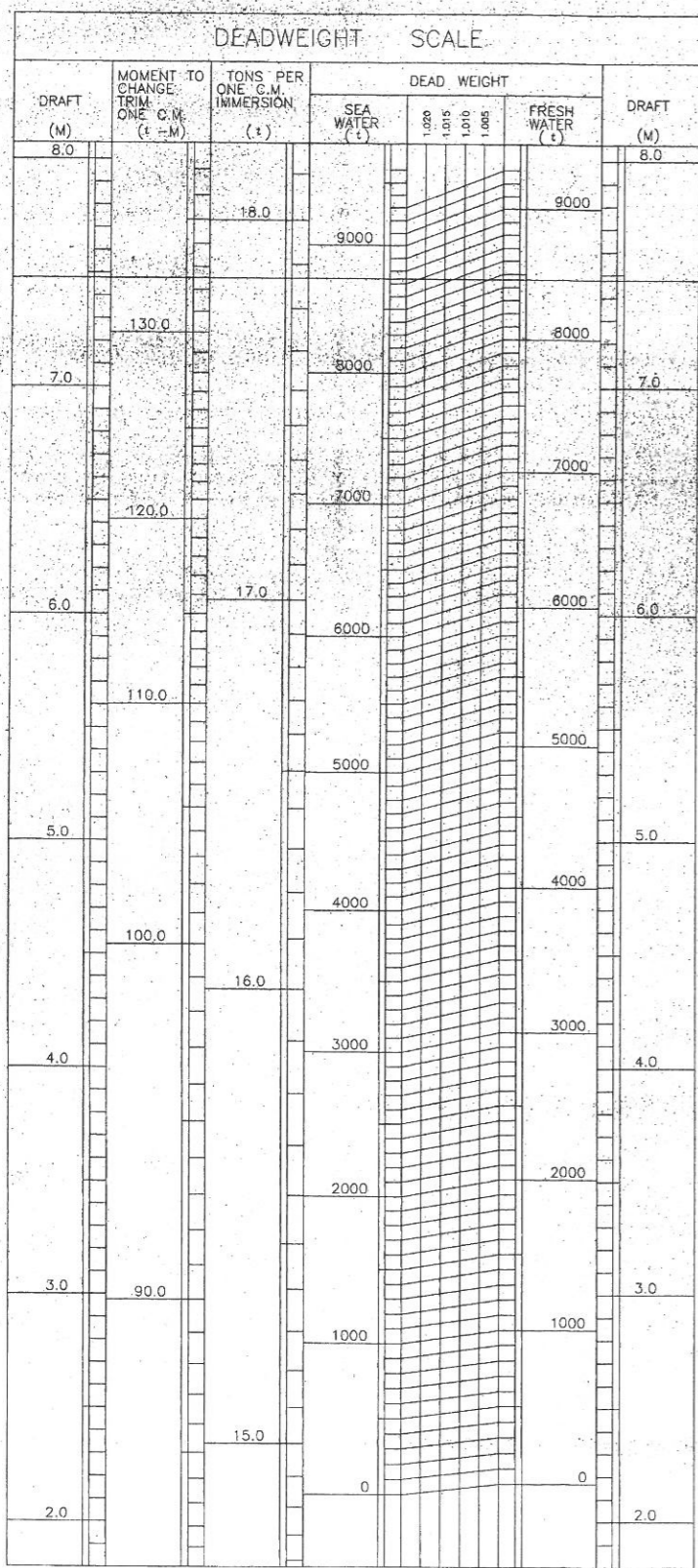


CAPACITY PLAN

REMARKS



NAME OF TANK	LOCATION	FULL CAPACITY		MID.G	KG	C.L.G.
		CUB.M	CUB.FT			
NO.1 CARGO TANK	P 114 - 130	610.804	21574	-38.24	6.00	-3.13
NO.1 CARGO TANK	S 114 - 130	602.808	21218	-38.24	6.00	-3.17
NO.2 CARGO TANK	P 107 - 114	337.807	11930	-25.17	5.75	-2.85
NO.2 CARGO TANK	S 107 - 114	344.310	12159	-25.17	5.75	-3.18
NO.3 CARGO TANK	P 84 - 107	656.494	23184	-20.71	5.85	-3.83
NO.3 CARGO TANK	S 84 - 107	656.498	23184	-20.71	5.85	-3.65
NO.4 CARGO TANK	P 81 - 84	656.348	23248	-10.98	5.87	-3.85
NO.4 CARGO TANK	S 81 - 84	656.348	23248	-10.98	5.87	-3.85
NO.5 CARGO TANK	P 73 - 81	406.358	14421	-3.08	5.87	-5.81
NO.5 CARGO TANK	S 73 - 81	406.816	14459	-3.08	5.87	-3.89
NO.6 CARGO TANK	P 69 - 73	708.628	24958	8.16	5.87	-3.87
NO.6 CARGO TANK	S 69 - 73	712.023	25145	5.16	5.87	-3.83
NO.7 CARGO TANK	P 62 - 69	397.046	13959	-13.04	5.87	-5.81
NO.7 CARGO TANK	S 62 - 69	390.620	13778	-13.04	5.87	-3.88
NO.8 CARGO TANK	P 38 - 52	641.029	22638	20.55	5.80	-2.81
NO.8 CARGO TANK	S 38 - 52	641.028	22638	20.55	5.80	-3.81
NO.9 C.T. & SLOP T.	P 30 - 38	385.238	13719	28.31	6.08	-3.82
NO.9 C.T. & SLOP T.	S 30 - 38	372.284	13029	28.21	6.08	0.44
CARGO GRAND TOTAL		9380.072	330848	-5.03	5.78	0.00

NAME OF TANK	LOCATION	FULL CAPACITY		MID.G	KG	C.L.G.
		CUB.M	CUB.FT			
DEEP TANK	P 137 - 141	124.28	4388	127.37	-6.44	5.42 0.00
NO.1 W.B.T.	P 118 - 137	188.59	6694	172.80	-36.87	3.43 -4.88
NO.1 W.B.T.	S 118 - 137	177.29	6281	181.72	-38.84	3.30 4.45
NO.2 W.B.T.	P 107 - 118	180.36	6384	164.39	-30.00	3.20 -6.08
NO.2 W.B.T.	S 107 - 118	188.85	6658	172.87	-30.00	3.08 5.78
NO.3 W.B.T.	P 84 - 107	200.07	7095	205.07	-21.01	2.85 -6.32
NO.3 W.B.T.	S 84 - 107	210.01	7416	215.28	-21.01	2.74 6.02
NO.4 W.B.T.	P 81 - 84	116.42	4079	119.31	-11.58	2.12 -5.17
NO.4 W.B.T.	S 81 - 84	125.54	4427	123.49	-11.58	2.91 4.76
NO.4 W.B.T.	HP 83 - 91	80.03	2808	80.23	-10.92	3.70 -7.85
NO.4 W.B.T.	WS 83 - 91	80.03	2808	80.23	-10.92	3.70 -5.42
NO.5 W.B.T.	P 69 - 81	146.75	5182	150.42	-1.02	2.27 -6.42
NO.5 W.B.T.	S 69 - 81	159.23	5597	162.16	-1.02	2.18 5.03
NO.5 W.B.T.	HP 69 - 77	89.03	3109	90.23	-4.42	3.70 -7.93
NO.5 W.B.T.	WS 69 - 77	89.03	3109	90.23	-4.42	3.70 7.83
NO.6 W.B.T.	P 52 - 69	128.03	4567	132.56	10.02	2.23 -5.28
NO.6 W.B.T.	S 52 - 69	138.74	4855	143.23	10.03	2.11 4.88
NO.6 W.B.T.	HP 55 - 63	88.23	3048	88.41	10.08	3.78 -7.92
NO.6 W.B.T.	WS 55 - 63	88.23	3048	88.41	10.08	3.78 7.92
NO.7 W.B.T.	P 38 - 52	96.57	3318	102.08	18.13	1.85 -4.44
NO.7 W.B.T.	S 38 - 52	106.71	3874	112.45	19.24	1.58 4.03
A.P.T.	P A.E. - 3	68.98	2436	70.71	54.32	6.45 -2.08
A.P.T.	S A.E. - 3	51.27	1811	52.55	54.71	8.34 2.50
WATER BALLAST TOTAL		2877.85	101633	2949.88	-9.78	3.15 -0.01

NAME OF TANK	LOCATION	FULL CAPACITY		MID.G	KG	C.L.G.
		CUB.M	CUB.FT			
DRINK W.T.	P 3 - 13	62.89	2221	62.89	47.63	8.34 -5.38
DRINK W.T.	S 3 - 13	62.89	2221	62.89	47.63	8.34 5.38
FRESH W.T.	C 3 - 8	87.96	3080	87.96	51.08	7.80 0.12
FRESH W.T. TOTAL		193.74	6842	193.74	48.84	8.18 0.04

NAME OF TANK	LOCATION	FULL CAPACITY		MID.G	KG	C.L.G.
		CUB.M	CUB.FT			
NO.1 T.C.F.W.T.	P 38 - 49	101.34	3579	101.34	21.62	4.40 -7.81
NO.1 T.C.F.W.T.	S 38 - 49	101.34	3579	101.34	21.62	4.40 7.81
NO.2 T.C.F.W.T.	P 29 - 38	126.47	4486	126.47	38.96	3.34 -5.81
NO.2 T.C.F.W.T.	S 29 - 38	133.08	4700	133.08	28.27	3.21 5.52
T.C. FRESH WATER TOTAL		462.23	16324	462.23	25.31	3.77 0.00

NAME OF TANK	LOCATION	FULL CAPACITY		MID.G	KG	C.L.G.
		CUB.M	CUB.FT			
NO.1 F.O.T.	P 131 - 137	158.87	5540	148.05	-45.77	6.03 -2.27
NO.1 F.O.T.	S 131 - 137	158.87	5540	148.05	-45.77	6.03 2.27
NO.2 F.O.T.	P 22 - 28	87.88	3086	81.11	33.81	5.89 -8.42
NO.2 F.O.T.	S 22 - 28	87.88	3086	81.11	33.81	5.89 8.42
FUEL OIL TOTAL		305.75	10702	229.16	-11.96	6.91 0.00

NAME OF TANK	LOCATION	FULL CAPACITY		MID.G	KG	C.L.G.
		CUB.M	CUB.FT			
NO.1 D.O.T.	P 22 - 28	22.85	810	18.53	34.08	0.78 -1.88
NO.1 D.O.T.	S 15 - 28	28.38	991	21.29	34.71	0.74 1.89
NO.2 D.O.T.	P 22 - 28	24.15	853	19.50	35.73	8.12 -6.83
NO.2 D.O.T.	S 22 - 28	33.71	1190	27.22	35.74	8.49 6.83
DIESEL OIL TOTAL		107.17	3764	88.54	35.13	4.84 0.87

NAME OF TANK	LOCATION	FULL CAPACITY		MID.G	KG	C.L.G.
		CUB.M	CUB.FT			
L.O. SUMP TANK	C 13 - 23	10.78	381	8.70	41.87	0.55 0.18
S/B L.O. D.T.	P 15 - 17	1.06	37	0.95	42.07	0.93 -1.88
L.O. SETT. T.	S 22 - 28	12.05	428	10.86	35.78	11.08 8.40
L.O. STOR. T.	S 22 - 28	8.30	292	8.27	35.75	11.10 7.15
O/L O. STOR. T.	S 18 - 20	8.79	307	6.83	38.75	11.08 6.28
O/L O. STOR. T.	S 22 - 28	14.89	526	13.40	35.75	11.15 5.70
BILGE SEP. OIL TANK	P 17 - 22	5.10	180	5.10	39.28	0.93 -2.11
BILGE TANK	C 7 - 13	10.54	372	10.54	46.41	0.71 0.00
S.T.C.W.T.	C A.E. - 7	5.38	189	5.38	50.16	2.58 0.00

PRINCIPAL PARTICULARS

LENGTH (O.A.)	113.98 M
LENGTH (P.P.)	108.50 M
BREADTH (MLD)	18.20 M
DEPTH (MLD)	9.65 M
DRAFT (EXT. SUMMER)	7.478 M
DEADWEIGHT	8740 t
GROSS TONNAGE	5372
MAIN ENGINE	1 SET OF B&W 6L35MC (Mark6)
M.C.O.	3900 kW(5303 PS) x 210 min ⁻¹
SERVICE SPEED	ABOUT 13.7 KNOTS
CLASSIFICATION	KRS1

MISKAN (DONGBANG CHEMI)
SNO. 5150
CAPACITY PLAN
&
DEADWEIGHT SCALE
-FINISHED PLAN-

GENERAL MANAGER T. Kamada
ASST. GENERAL MANAGER N. Hoshino
ASST. MANAGER S. Matsuda
DRAWN S. Iwamura
DATE November 1, 2001

SCALE = NON SCALE
SHIN KURUSHIMA DOCKYARD CO., LTD.
EHIME JAPAN
ENGINEERING DIVISION