



NAME	FRMIN	FRMAX	FILL	VNET	WEIGHT	L.C.G.	T.C.G.	V.C.G.
m <sup>3</sup> t m m m								
Cargo Hold With Hatch Coaming								
NO.1 CARGO HOLD	185	229	1.00	12957.78	169.977	0.000	10.833	
NO.2 CARGO HOLD	152	193	1.00	17658.30	138.610	0.000	10.522	
NO.3 CARGO HOLD	114	152	1.00	15352.99	106.200	0.000	10.566	
NO.4 CARGO HOLD	76	114	1.00	15819.60	76.509	0.000	10.522	
NO.5 CARGO HOLD	35	76	1.00	15962.58	43.687	0.000	10.920	
SUBTOTAL				78771.05				

NAME	FRMIN	FRMAX	FILL	VNET	WEIGHT	L.C.G.	T.C.G.	V.C.G.
m <sup>3</sup> t m m m								
Water Ballast : Density=1.025 1/m <sup>3</sup>								
P.T.K.	229	FORE	1.00	1372.94	1407.26	189.312	0.000	5.441
NO.1 W.B.T.K.P.	193	229	1.00	1622.85	1663.42	168.708	10.403	-7.138
NO.1 W.B.T.K.S.	193	229	1.00	1639.64	1680.63	168.981	-10.375	7.997
NO.2 W.B.T.K.P.	152	193	1.00	1834.25	1880.11	138.590	11.300	-7.365
NO.2 W.B.T.K.S.	152	193	1.00	1834.25	1880.11	138.590	-11.300	7.365
NO.3 W.B.T.K.P.	114	152	1.00	1840.37	1886.38	106.200	11.023	-7.641
NO.3 W.B.T.K.S.	114	152	1.00	1840.37	1886.38	106.200	-11.023	7.641
NO.4 W.B.T.K.P.	76	114	1.00	1117.32	1145.25	74.218	9.907	-1.596
NO.4 W.B.T.K.S.	76	114	1.00	1117.32	1145.25	74.218	-9.907	1.596
NO.5 W.B.T.K.P.	36	76	1.00	1175.19	1204.57	42.117	9.976	-3.005
NO.5 W.B.T.K.S.	36	76	1.00	1175.19	1204.57	42.117	-9.976	3.005
A.P.T.K.	13	109	1.00	1138.15	1184.55	2.963	0.000	11.756
SUBTOTAL				17705.85	18148.50			

NAME	FRMIN	FRMAX	FILL	VNET	WEIGHT	L.C.G.	T.C.G.	V.C.G.
m <sup>3</sup> t m m m								
Heavy Fuel Oil : Density=0.98 1/m <sup>3</sup>								
NO.1 H.F.O.T.K.S.	76	113	0.98	460.73	442.47	74.440	12.613	-17.197
NO.1 H.F.O.T.K.S.	76	113	0.98	460.73	442.47	74.440	-12.613	17.197
NO.2 H.F.O.T.K.S.	35	76	0.98	506.19	486.15	42.991	12.580	-17.207
NO.2 H.F.O.T.K.S.	35	76	0.98	506.19	486.15	42.991	-12.580	17.207
NO.3 H.F.O.T.K.S.	29	31	0.98	39.76	38.98	21.740	-9.922	16.006
NO.3 H.F.O.T.K.S.	29	31	0.98	39.76	38.98	21.740	9.922	-16.006
NO.1 H.F.O. SETT. TK.	31	33	0.98	19.76	18.98	23.380	-9.922	16.006
NO.2 H.F.O. SETT. TK.	27	29	0.98	20.100	19.76	18.98	20.100	-9.922
NO.2 H.F.O. SETT. TK.	25	27	0.98	19.76	18.98	18.460	-9.922	16.006
SUBTOTAL				2012.87	1933.16			

NAME	FRMIN	FRMAX	FILL	VNET	WEIGHT	L.C.G.	T.C.G.	V.C.G.
m <sup>3</sup> t m m m								
Diesel Oil : Density=0.95 1/m <sup>3</sup>								
Diesel Oil	10	19	0.98	96.96	80.77	9.123	-12.140	16.210
M.O.D. STOR. TK.	21	33	0.98	114.82	95.64	19.453	-13.615	16.314
M.O.D. SERV. TK.	17	19	0.98	14.91	12.42	11.900	-11.111	16.022
LS. M.O.D. SERV. TK.	19	21	0.98	14.80	12.33	13.500	-13.606	16.559
SUBTOTAL				241.48	201.16			

NAME	FRMIN	FRMAX	FILL	VNET	WEIGHT	L.C.G.	T.C.G.	V.C.G.
m <sup>3</sup> t m m m								
Lubricating Oil : Density=0.9 1/m <sup>3</sup>								
M/E L.O. SUMP. TK.	21	31	0.98	20.84	18.38	18.460	0.000	1.003
NO.1 OIL STOR. TK.	25	29	0.98	29.19	25.74	19.305	14.924	16.281
NO.2 OIL STOR. TK.	25	29	0.98	24.09	21.25	19.280	13.130	16.295
M/E L.O. STOR. TK.	13	15	0.98	35.60	31.40	10.712	12.381	11.910
M/E L.O. SETT. TK.	13	15	0.98	31.47	27.76	8.637	11.300	11.887
G/E L.O. STOR. TK.	13	15	0.98	12.09	10.66	8.620	6.752	11.603
G/E L.O. SETT. TK.	13	15	0.98	11.92	10.51	8.620	8.341	11.603
SUBTOTAL				165.19	145.70			

NAME	FRMIN	FRMAX	FILL	VNET	WEIGHT	L.C.G.	T.C.G.	V.C.G.
m <sup>3</sup> t m m m								
Fresh Water : Density=1 1/m <sup>3</sup>								
F.W. T.K.P.	AFT	8	1.00	253.93	253.93	0.676	9.961	16.534
F.W. T.K.S.	AFT	6	1.00	212.47	212.47	0.227	-9.886	16.532
DISTILLED W.T.K.	6	8	1.00	41.47	41.47	4.203	-10.346	16.481
SUBTOTAL				507.87	507.87			

NAME	FRMIN	FRMAX	FILL	VNET	WEIGHT	L.C.G.	T.C.G.	V.C.G.
m <sup>3</sup> t m m m								
Miscellaneous : Density=1 1/m <sup>3</sup>								
F.W. WASHING TK.	35	114	0.98	372.77	365.31	58.897	15.353	16.339
DISP/WASH. (DISP. W.)	35	114	0.98	372.77	365.31	58.897	-15.353	16.339
SEWAGE HOLD. TK.	21	29	0.98	69.88	68.48	18.144	11.241	8.051
BLDG. WATER. TK.	29	37	0.98	34.03	33.35	24.696	3.347	1.217
I.O. DRAIN. TK.	25	29	0.98	8.38	8.22	19.428	-2.971	1.376
F.O. DRAIN. TK.	25	29	0.98	8.38	8.22	19.428	-2.971	1.376
S/Z. LO. SUMP. TK.	14	16	0.98	7.02	6.88	9.570	-0.114	1.274
SLUDGE TK.	29	37	0.98	34.03	33.35	24.696	-3.347	1.217
I/O PURIF. SLUDGE TK.	29	33	0.98	8.17	8.01	22.560	-9.141	8.892
I/O PURIF. SLUDGE TK.	33	35	0.98	4.11	4.03	25.020	-12.330	8.892
CLEAN WATER DOWN TANK	32	35	0.98	35.12	14.81	24.466	0.000	0.937
SUBTOTAL				1004.55	984.46			

NAME	FRMIN	FRMAX	FILL	VNET	WEIGHT	L.C.G.	T.C.G.	V.C.G.
m <sup>3</sup> t m m m								
Miscellaneous : Density=1 1/m <sup>3</sup>								
COOL. W. TK.	14	14	1.00	33.12	33.12	7.304	0.000	3.747

NOTE:  
 1. T.C.G. (-) STARBOARD SIDE (+) PORT SIDE  
 2. ORIGINAL COORDINATE OF L.C.G. IS LOCATED AT FRAME 0 (A.P.)

主要尺度及数据  
 PRINCIPAL DIMENSIONS

总长 LENGTH O.A. 199.80 m  
 垂线间长 LENGTH B.P. 194.50 m  
 型宽 BREADTH MLD. 32.26 m  
 型深 DEPTH MLD. 18.50 m  
 设计水线 DESIGNED DRAFT 11.30 m  
 设计水线处重量 DEADWEIGHT at DESIGNED DRAFT 661,500 t  
 结构水线 SCANTLING DRAFT 13.30 m  
 结构水线处重量 DEADWEIGHT at SCANTLING DRAFT 63,600 t  
 船级 CLASSIFICATION DNV +1A1 Bulk Carrier ESP,ES(S),CSR,NAUTICS(New Building)  
 COAT-PPSP(B) BC-A (holds NO. 2 & 4 may be empty) (CRAB20)

ED./MON./BS

63,600MT DWT PANAMAX BULKER WITH TRAINING PURPOSE  
 CAPACITY PLAN  
 HULL NO. AVIC396/AVIC399  
 1:250  
 1/1  
 1,250 m<sup>2</sup>

DATE: 2014.04.24