



DEADWEIGHT SCALE									
DRAFT (m/d)	DEADWEIGHT	Specific gravity of water				DISPLACEMENT	TPC (ton)	NTC (ton/m)	DRAFT (m/d)
		1.020	1.015	1.010	1.005				
14.0	10000	10200	10150	10100	10050	86.0			13.0
13.0	9000	9200	9150	9100	9050	78.0			12.0
12.0	8000	8200	8150	8100	8050	70.0			11.0
11.0	7000	7200	7150	7100	7050	62.0			10.0
10.0	6000	6200	6150	6100	6050	54.0			9.0
9.0	5000	5200	5150	5100	5050	46.0			8.0
8.0	4000	4200	4150	4100	4050	38.0			7.0
7.0	3000	3200	3150	3100	3050	30.0			6.0
6.0	2000	2200	2150	2100	2050	22.0			5.0
5.0	1000	1200	1150	1100	1050	14.0			4.0
4.0	0	0	0	0	0	6.0			3.0
3.0	0	0	0	0	0	0.0			2.0
2.0	0	0	0	0	0	0.0			1.0
1.0	0	0	0	0	0	0.0			0.0

**SUMMER LOAD DRAFT**  
 Draft (est.) = 15.021 M  
 Displacement = 13321.4 MT  
 Deadweight = 112532.4 MT

**DWT 99 990 TON DRAFT**  
 Draft (est.) = 13.746 M  
 Displacement = 121354.7 MT  
 Deadweight = 89563.7 MT

**DWT 89 990 TON DRAFT**  
 Draft (est.) = 12.714 M  
 Displacement = 111380.1 MT  
 Deadweight = 89901.1 MT

**DWT 79 000 TON DRAFT**  
 Draft (est.) = 11.562 M  
 Displacement = 103390.4 MT  
 Deadweight = 78959.4 MT

**LIGHTSHIP CONDITION**  
 Draft (est.) = 2.751 M  
 Displacement = 21369.9 MT

CARGO OIL TANKS									
COMPARTMENT	LOCATION (FRMME)	CAPACITY(M <sup>3</sup> )		WEIGHT (TON)	L.C.G FROM B.L.M	T.C.G FROM C.L.M	V.C.G FROM B.L.M	LT (MM)	
		100% FULL	98% FULL						
NO.1 C.O.T (S)	83	- 100	85256	835.1	-	91.978	7.657	12.449	10412
NO.1 C.O.T (P)	83	- 100	85273	835.1	-	91.978	7.658	12.448	10410
NO.2 C.O.T (S)	86	- 93	10987	857.734	-	63.311	6.055	5.328	18819
NO.2 C.O.T (P)	86	- 93	10993	857.734	-	63.311	6.026	5.320	18836
NO.3 C.O.T (S)	79	- 86	110271	1080.66	-	34.334	8.548	12.318	16046
NO.3 C.O.T (P)	79	- 86	110370	1079.62	-	34.334	8.549	12.318	16049
NO.4 C.O.T (S)	72	- 79	11117.8	1076.97	-	4.724	9.548	12.318	18427
NO.4 C.O.T (P)	72	- 79	10989.4	1067.68	-	4.724	9.548	12.318	18380
NO.5 C.O.T (S)	65	- 72	11028.4	1080.78	-	-24.886	8.548	12.318	18446
NO.5 C.O.T (P)	65	- 72	11012.6	1079.23	-	-24.886	8.548	12.318	18416
NO.6 C.O.T (S)	58	- 65	10530.9	1030.03	-	-54.112	9.247	12.613	18418
NO.6 C.O.T (P)	58	- 65	10520.3	1030.09	-	-54.112	9.238	12.613	18418
SLOP TANK (S)	56	- 58	1645.5	1612.6	-	-71.069	8.331	14.643	3307
SLOP TANK (P)	56	- 58	1644.6	1611.7	-	-71.069	8.331	14.648	3325
TOTAL			129466.5	126877.6					

SEGREGATION OF CARGO OIL TANKS			
SEGREGATION	DETAIL OF SEGREGATED CARGO OIL TANKS	CAPACITY	
		100% FULL(M3)	RATE(%)
GROUP 1	NO.1,4 C.O.T (P&S), SLOP TANK (P&S)	42350.6	32.7
GROUP 2	NO.2,5 C.O.T (P&S)	44031.0	34.0
GROUP 3	NO.3,6 C.O.T (P&S)	43085.3	33.3

### TANK SEGREGATION

WATER BALLAST TANKS									
COMPARTMENT	LOCATION (FRAME)	CAPACITY (M <sup>3</sup> )		WEIGHT (TON)	L.C.G. FROM A.P.C. (M)	Y.C.G. FROM C.L.M. (M)	V.C.G. FROM C.L.M. (M)	LT (MM)	S.G. = 1.025
		100% FULL	98% FULL						
F.P.T. (C.W.B)	100 - F.E.	1129.7	-	1226.3	113.67	0.00	0.00	4751	
N.O.1 W.B.T (S)	83 - 100	3265.7	-	3284.9	93.713	13.689	8.213	14653	
N.O.1 W.B.T (S)	83 - 100	3265.7	-	3284.9	93.713	-13.689	8.213	14679	
N.O.2 W.B.T (S)	86 - 93	2987.7	-	2997.2	63.860	15.000	6.124	24778	
N.O.2 W.B.T (S)	86 - 93	2987.7	-	2972.1	63.860	-15.003	6.124	24608	
N.O.3 W.B.T (S)	79 - 86	3039.9	-	3115.9	34.340	15.688	0.025	25748	
N.O.3 W.B.T (S)	79 - 86	3039.9	-	3115.9	34.340	-15.683	0.025	25748	
N.O.4 W.B.T (S)	72 - 79	3039.9	-	3115.9	4.730	15.683	0.025	25748	
N.O.4 W.B.T (S)	72 - 79	3039.9	-	3115.9	4.730	-15.683	0.025	25748	
N.O.5 W.B.T (S)	65 - 72	3161.2	-	3063.6	-24.008	15.608	0.061	25214	
N.O.5 W.B.T (S)	65 - 72	3161.2	-	3063.6	-24.008	-15.654	0.061	25246	
N.O.6 W.B.T (S)	59 - 65	2470.0	-	2531.9	-52.402	15.126	0.581	15301	
N.O.6 W.B.T (S)	59 - 65	2470.0	-	2531.9	-52.402	-15.126	0.581	15301	
N.O.7 W.B.T (S)	49 - 59	1300.2	-	1332.7	-71.568	15.105	8.605	21421	
N.O.7 W.B.T (S)	49 - 59	1300.2	-	1332.7	-71.568	-15.105	8.605	21205	
A.P.T. (C.W.B)	A.E - 15	1204.1	-	1234.2	-110.081	0.003	14.011	18014	
TOTAL		40899.7	-	41717.2					

FRESH WATER TANKS							S.G. = 1.000	
COMPARTMENT	LOCATION (FRAME)	CAPACITY(M <sup>3</sup> )		WEIGHT (TON)	L.C.G. FROM B.L.M.	T.C.G. FROM C.L.M.	V.C.G. FROM B.L.M.	LT (MT)
		100% FULL	98% FULL					
F.W.T (S) (POTABLE W.T)	7 - 13	207.9	-	207.9	-114.140	10.317	19.044	190
F.W.T (P) (POTABLE W.T)	7 - 13	163.6	-	163.6	-114.386	-11.145	19.024	96
DIST.W.T (P)	7 - 13	44.3	-	44.3	-111.500	-7.261	19.118	2
TOTAL		415.8		415.8				

HEAVY FUEL OIL TANKS									
COMPARTMENT	LOCATION	FRAM	CAPACITY(M3)		WEIGHT (TON)	S.G = 0.980			LT (MT)
			100% FULL	98% FULL		L.C.G FROM B.L.(M)	T.C.G FROM B.L.(M)	V.C.G FROM B.L.(M)	
NO.1 H.F.O.T (S)	49	- 56	718.7	703.3	691.2	-77.221	12.629	15.209	1039
NO.1 H.F.O.T (P)	49	- 56	875.8	856.3	841.1	-77.411	-12.515	15.278	1039
NO.2 H.F.O.T (P)	22	- 49	901.9	883.9	866.2	-88.985	-15.528	17.063	294
NO.1 H.F.O.T (S)	49	- 53	490.0	480.0	470.0	-78.525	7.559	15.807	4
NO.1 H.F.O.SETT.T	49	- 53	490.0	480.0	470.0	-78.525	11.809	15.807	4
TOTAL			2595.3	2543.3	2492.5				

LOW SULFUR HEAVY FUEL OIL TANKS								S.G. = 0.980
COMPARTMENT	LOCATION (FRAME)	CAPACITY (MM)		WEIGHT (TOD)	L.C.G. FROM (TOD)	T.C.G. FROM (C.L.M.)	V.C.G. FROM (S.L.M.)	LT (MM)
		100% FULL	90% FULL					
FLEXIBLE T. (S)	42 - 48	286.4	260.6	275.0	-53.472	15.849	16.657	111
NO.2 H.F.O. SERV.T	49 - 52	31.0	30.4	29.8	-79.115	8.877	11.611	
NO.2 H.F.O. SETT.T	49 - 52	31.0	30.4	29.8	-79.115	10.491	15.611	1
TOTAL		348.4	314.4	334.6				

MARINE GAS OIL TANKS								S.G. = 0.850	
COMPARTMENT	LOCATION (FRAME)	CAPACITY(M3)		WEIGHT (TON)	L.C.G FROM MID (M)	T.C.G FROM CL.M (M)	V.C.G FROM B.L.M (M)	LT (M)	
		100% FULL	98% FULL						
M.G.O.STOR.T (S)	26 - 41	452.0	443.0	376.5	-91.911	15.090	17.322	110	
M.G.O.SERV.T	22 - 26	66.5	65.2	55.4	-100.216	14.247	17.860	6	
TOTAL		518.5	508.1	431.9					

LUBRICATION OIL TANKS							S.G. = 0.900		L L (M)
COMPART	LOCATION	CAPACITY(M3)		WEIGHT	L-G FROM MIDLINE	T-G FROM MIDLINE	V-G FROM MIDLINE		
		100% FULL	95% FULL						
M.E.O. STOR.T.1	25	36	31.6	31.7	29.7	-95.065	0.007	1.362	21
M.E.O. STOR.T.2	45	49	40.4	36.6	35.6	-81.835	-2.188	13.883	6
M.E.O. STOR.T.1	45	49	33.6	32.9	29.7	-81.900	-0.046	13.300	6
NO.1 ME CYCL. STOR.T.	45	49	30.4	29.8	26.8	-81.900	0.217	13.800	2
NO.2 ME CYCL. STOR.T.	45	49	30.3	29.7	26.7	-81.900	0.220	13.800	2
GE OIL STOR.T.	38	41	17.1	16.7	15.5	-97.980	8.474	17.700	3
GE OIL STOR.T.1	35	41	7.1	6.9	6.2	-97.100	10.880	17.200	0
SLUOIL STOR.T.	20	20	3.5	3.2	3.4	-102.894	0.000	17.200	0
TURBINE OIL STOR.T.	45	48	2.2	2.2	1.9	-83.100	-2.835	12.275	0
TOTAL			186.1	192.2	173.0				

OTHER TANKS							
COMPARTMENT	LOCATION (FRAME)	CAPACITY(M3)		WEIGHT (TON)	I.C.G FROM CL.WT	T.C.G FROM CL.WT	V.C.G FROM CL.WT
		100% FULL	95% FULL				
C.W.T. (C)	AE 15 41	44.1	-	-	-109.479	0.00	3.356
CLEAN DRAIN T	15 24	46.4	-	-	-103.106	-0.083	1.374
BILGE HOLDING T	47 41	41.9	-	-	-90.572	-0.693	1.674
F.O.OVER T	41 44	17.5	-	-	-85.548	2.112	1.684
WATER DRAIN T	47 44	17.5	-	-	-85.547	-2.380	1.683
SEWAGE COLLECT T	15 26	54.3	-	-	-191.212	0.002	8.951
SLUDGE T	37 47	18.6	-	-	-85.900	9.989	10.91
GRAY WATER HT	47 41	41.9	-	-	-80.572	3.693	1.684

<u>PRINCIPAL PARTICULARS</u>		
LENGTH	(O.A)	approx. 250.00 M
LENGTH	(B.P)	239.00 M
BREADTH	(M.L.D.)	44.00 M
DEPTH	(M.L.D.)	21.30 M
DRAFT	(D.L.W.L)	13.50 M
DRAFT	(SCANTLING)	15.00 M
DEADWEIGHT	(at SCANTLING)	11,63,520 TON
MAIN ENGINE		MAN B&W 6G60ME-C9.5 Tier II
		NMCR 16,080 KW x 97.0 RPM
		SMCR 12,600 KW x 82.0 RPM
		NCR 8,450 KW x 74.5 RPM
SERVICE SPEED (NCR with 15% S.M)		approx. 14.3 KTS
at DESIGN DRAFT		27 P + 6 Surge on wave
COMPLEMENTS		111
CLASSIFICATION:		LR
+100A1, Double Hull Oil Tanker, CSR, ESP, ShipRight(CM, ACS/B,C), LI, WLS		
DPSMA, ECO/BWT, IHM, EAL, P, SEEMP)		
with descriptive notes: *COWI/LR, ETA, ShipRight(BWMPT), SCM, SERS, VECSP		
+LMC, UMS, IGS, Nav1		

IMO NO.		9808156			
SHIP NAME		GREEN ATTITUDE		FINAL DRAWING NO.	
建造者 Builder		舟山中远海运重工有限公司		船号 Ship No.	
工程名 P.Name		COSCO SHIPPING Heavy Industry (Zhoushan) Co., Ltd.		N753	
		113,000 DWT CRUDE OIL TANKER		图号 Drawing No.	
				N753-G-30-10	
				设计 Design	
				校核 Check	
				审核 Review	
				批准 Approve	
				比例 Scale	
				页数 Page	
				版本 Revision	
				#	
				基本设计 Basic Design	
				1 / 1	
CAPACITY PLAN					
					
		舟山中远海运重工有限公司技术中心 COSCO SHIPPING Heavy Industry (Zhoushan) Co., Ltd. Technical Center			
		KOREA MARITIME CONSULTANTS CO., LTD.			
				DESIGN CAM	