

Tanks for Water Ballast - Spec.gr. = 1.025 t/m³					
Name	Frame location	Cap. [m³] 100%	Weight [t] 100%	LCG [m] TCG [m] VCG [m]	FSMmax [mt]
				for load 100%	
FOREP.C	202-217	422.8	433.3	168.246 0.000 7.404	644.9
BW1.C	158-196	126.4	129.6	140.404 0.227p 1.157	653.4
BW1W.P	182-196	230.7	236.5	153.054 5.113p 10.356	256.1
BW1W.S	182-196	230.7	236.5	153.054 5.113s 10.356	256.1
BW2W.P	158-180	221.4	226.9	135.296 7.018p 7.232	167.5
BW2W.S	158-182	391.2	401.0	135.665 8.828s 9.209	229.4
BW3.P	134-158	155.6	157.5	114.191 3.321p 1.004	395.5
BW3.S	134-158	127.6	130.8	113.835 3.769s 1.029	278.2
BW3W.P	134-158	653.2	669.5	115.726 11.221p 8.123	206.6
BW3W.S	134-158	658.6	675.1	115.809 11.171s 8.082	224.6
BW4.P	110-134	318.0	326.0	94.927 5.429p 0.930	1768.4
BW4.S	110-134	291.8	299.1	94.866 5.815s 0.935	1409.1
BW5.P	86-110	362.3	371.4	75.354 5.980p 0.915	2293.6
BW5.S	86-110	336.1	344.5	75.366 6.359s 0.918	1857.4
BW6.P	54-86	234.3	240.2	54.830 3.868p 0.968	1013.9
BW6.S	54-86	199.4	204.3	55.431 4.349s 0.985	779.6
AFTP.P	-8-13	568.8	583.1	0.876 8.408p 10.296	2151.8
AFTP.S	-8-13	424.6	435.2	2.130 7.668s 9.816	2132.4
Total cap. water ballast:		5951.6			

Tanks for Heavy Fuel Oil - Spec. gr. =					1.01 t/m³		
Name	Frame location	Cap. [m³] 100%	Weight [t] 100%	LCG [m]	TCG [m] for load 100%	VCG [m]	FSMmax [mt]
HFO.C	158-194	803.4	811.5	142.086	0.000	3.713	2568.8
HFO.W1.P	74-86	485.5	490.4	59.848	12.395p	7.406	128.2
HFO.W1.S	74-86	485.5	490.4	59.848	12.395s	7.406	128.2
HFO.W2.P	54-74	741.4	748.8	46.098	11.389p	7.254	783.4
HFO.W2.S	54-74	784.2	792.0	46.407	11.396s	7.395	818.7
HFO.DA.S	5-13	40.6	41.03	6.300	1.114s	10.454	5.3
HFO.SETTL.P	5-13	40.6	41.03	6.300	1.114p	10.454	5.3
HFO.SETTL2.P	5-13	39.4	39.8	6.300	3.375p	10.505	5.3
HFO.OVER.C	49-54	34.1	34.5	35.832	0.063p	1.132	83.7
HFO.OVER.C	194-196	43.9	44.3	157.640	0.000	4.444	24.0
Total cap. Heavy Fuel Oil:		3498.6					

Modified for MDO

Tanks f. Marine Diesel Oil - Spec.gr = 0.9 t/m³						
Name	Frame	Cap. [m³]	Weight [t]	LCG [m]	TCG [m]	VCG [m]
	location	100%	100%	for load 100%		
MDO.S	42-54	199.3	179.39	33.362	11.883s	9.224
MDO.DA.Y.S	29-36	26.1	23.5	22.839	13.804s	9.937
MDO.SETTL.S	36-40	20.4	18.4	26.625	13.965s	9.852
Total cap. Marine Diesel Oil:		245.8				

Tanks for Lub Oil / Cyl. Oil - Spec. gr. = 0.9 t/m³						
Name	Frame	Cap. [m³]	Weight [t]	LCG [m]	TCG [m]	VCG [m]
	location	100%	100%	for load 100%		
LOME.S	5-13	25.6	23.1	6.300	10.032s	10.505
LOAUX.S	5-13	9.8	8.9	7.000	3.625s	10.505
LOCYL1.S	5-13	24.5	22.1	6.300	7.200s	10.505
LOCYL2.S	5-13	24.5	22.1	6.300	8.600s	10.505
LOREN1.S	5-13	22.5	20.3	5.994	4.415s	10.505
LOREN2.S	5-13	24.5	22.1	6.300	5.800s	10.505
LOCIRC.C	34-48	20.7	18.6	28.700	0.000	1.135
Total cap. Lub Oil:		152.2				

Tanks for Fresh Water - Spec. gr. = 1 t/m³						
Name	Frame	Cap. [m³]	Weight [t]	LCG [m]	TCG [m]	VCG [m]
	location	100%	100%	for load 100%		
FW.P	158-180	178.9	178.9	135.678	11.060p	11.566
FW-ER.P	5-13	78.8	78.8	6.300	7.500p	10.505
FEEDW.P	34-48	11.0	11.0	29.621	2.282p	1.413
Total cap. Fresh water:		268.6				

Miscellaneous tanks - Spec. gr. = 1 t/m³							
Name	Frame location	Cap. [m³]	Weight [t]	LCG [m]	TCG [m]	VCG [m]	FSMmax [mt]
		100%	100%	for load 100%			
MIS1-STDRAIN.C	13-14	1.5	1.5	9.460	0.000	0.919	0.8
MIS2-DIRTYW.C	14-26	48.2	48.2	14.309	0.000	1.189	26.4
MIS3-FWCOOLD.C	26-28	8.9	8.9	18.906	0.000	1.176	6.9
MIS4-OILDRAIN.C	29-33	21.8	21.8	21.722	0.000	1.174	20.6
MIS5-SEWH.S	34-48	11.0	11.0	29.621	2.2825	1.413	1.0
MIS6-SLUDGE.S	24-34	19.0	19.0	20.300	4.6095	7.769	10.1
MIS7-STCOOLING.C	hull-13	24.1	24.7	7.493	0.000	3.002	2.2

Void Spaces (volumes are determined with SOLAS permeability of 0.95)					
Name	Frame	Vol. [m³]	LCG [m]	TCG [m]	VCG [m]
VOIDER2.C	location	100%	for load 100%		
VOIDER2.C	33-49	63.1	28.914	0.000	1.092
VOIDER1.C	28-29	5.0	19.951	0.000	1.175
VOID6.P	54-86	125.6	52.588	15.308p	9.848
VOID6.S	54-86	125.6	52.588	15.308s	9.848
VOID4LOW.P	110-134	366.6	94.572	12.282p	4.634
VOID4LOW.S	110-134	366.6	94.572	12.282s	4.634
VOID4UP.P	110-134	565.8	95.212	13.073p	9.852
VOID4UP.S	110-134	565.8	95.212	13.073s	9.852
VOID5LOW.P	87-110	464.4	75.257	12.692p	4.504
VOID5LOW.S	87-110	458.6	75.310	12.715s	4.501
VOID5UP.P	87-110	606.5	75.200	13.075p	9.875
VOID5UP.S	87-110	577.9	75.448	13.123s	9.812

- Nomenclature:
- BW

p

S

HFO

LO

MDO

FW

TCG

VCG

FSMmax

PT

ER
- Ballast Water

Port side

Starboard side

Heavy Fuel Oil

Lub Oil

Marine Diesel Oil

Fresh Water

Longitudinal Center of Gravity

Transverse Center of Gravity

Vertical Center of Gravity

Maximum Free Surface Moment at zero heel, trim

Pipetunnel

Engine Room
- Remarks:
- > TCG values are neg. to port side

----> LCG is measured from A.P.

----> VCG is above base line

----> FSMmax is the max. value for each tank, at zero trim and zero heel

----> Capacities are determined with permeability of 0.98.

040.11			4900 CARS PCTC 4900车滚装船		舢 艀 艮 艮	
DESIGNED	设计	SDM	TANK CAPACITY 艀 容 图			
CHECKED	校对	王文锦				
APPROVED1	审核	黄得仕				
CHK OF STAND	标准	张江兴				
APPROVED2	审定	曾震宇				
DATE	日期	2008.4.5				
SDM SHIP DESIGN & MATERIAL			厦			
			FINAL DRAWING 完工图			
			SCALE 比例			
			WEIGHT 重量			
			REV. 修改标记			
			PAGE 页教			