



PRINCIPAL PARTICULARS  
主要参数

LENGTH O.A. 总长	99.50 m
LENGTH B.P. 垂线间长	94.50 m
BREADTH (MLD.) 型宽	18.60 m
DEPTH (MLD.) 型深	9.00 m
SCANTLING DRAFT (MLD.) 结构吃水	5.50 m
DEADWEIGHT 载重吨	abt. 4,500 t
COMPLEMENT 定员	17 CREW + 1 PILOT

EXPLANATION OF SYMBOLS:  
 VNET NET VOLUME OF TANK;  
 L.C.G. CENTER OF VOLUME FROM A.P.;  
 T.C.G. CENTER OF VOLUME FROM CENTERLINE (P+/S-);  
 V.C.G. CENTER OF VOLUME FROM BASELINE;  
 I<sub>X</sub>MAX TRANSVERSE MOMENT OF INERTIA OF FREE SURFACE.

符号解释:  
 VNET 净舱容;  
 L.C.G. 舱室重心坐标, 从A.P.量起;  
 T.C.G. 舱室重心坐标, 从C.L.量起(左舷+, 右舷-);  
 V.C.G. 舱室重心坐标, 从B.L.量起;  
 I<sub>MAX</sub> 舱室最大自由液面体积矩。

REV. No.	DATE	DESCRIPTION	MODIFIED	CHECKED
A		ISSUED FOR OWNER&CLASS APPROVAL		

NO.	TANK NAME	POSITION (Fr.Num.)	V <sub>NET</sub> (m <sup>3</sup> )	L.C.G. (m)	T.C.G. (m)	V.C.G. (m)	I <sub>X</sub> MAX (m <sup>4</sup> )
CARGO OIL Reduction:0.02							
1	No.1 C.O.T.(P)	100-112	570.2	76.36	2.97	5.12	407.7
2	No.1 C.O.T.(S)	100-112	571.9	76.39	-2.97	5.12	410.9
3	No.2 C.O.T.(P)	82-101	596.1	63.13	3.56	4.87	421.6
4	No.2 C.O.T.(S)	82-101	594.1	63.13	-3.57	4.87	417.5
5	No.3 C.O.T.(P)	60-79	599.6	47.73	3.61	4.85	417.5
6	No.3 C.O.T.(S)	60-79	601.6	47.75	-3.59	4.85	421.6
7	No.4 C.O.T.(P)	41-61	629.5	34.76	3.59	4.85	432.1
8	No.4 C.O.T.(S)	41-61	627.8	34.78	-3.60	4.85	428.4
SUBTOTAL			4790.9	54.98	0.00	4.92	

NO.	TANK NAME	POSITION (Fr.Num.)	V <sub>NET</sub> (m <sup>3</sup> )	L.C.G. (m)	T.C.G. (m)	V.C.G. (m)	I <sub>X</sub> MAX (m <sup>4</sup> )
WATER BALLAST Reduction:0.02							
9	No.1 W.B.T.(P)	104-124	179.8	79.06	6.80	4.64	48.1
10	No.1 W.B.T.(S)	104-124	179.8	79.06	-6.80	4.64	48.1
11	No.2 W.B.T.(P)	81-104	169.7	64.14	8.55	4.64	11.3
12	No.2 W.B.T.(S)	81-104	169.7	64.14	-8.55	4.64	11.3
13	No.3 W.B.T.(P)	57-81	170.6	47.40	8.69	4.70	2.4
14	No.3 W.B.T.(S)	57-81	170.6	47.40	-8.69	4.70	2.4
15	No.4 W.B.T.(P)	40-57	118.3	33.06	8.65	4.80	3.0
16	No.4 W.B.T.(S)	40-57	118.3	33.06	-8.65	4.80	3.0
17	DEEP W.B.T.(P)	124-130	102.4	87.47	3.20	5.41	47.5
18	DEEP W.B.T.(S)	124-130	102.4	87.47	-3.20	5.41	47.5
19	F.P.T.	130-143	239.0	91.91	0.00	5.51	359.3
SUBTOTAL			1720.6	66.30	0.00	4.88	

NO.	TANK NAME	POSITION (Fr.Num.)	V <sub>NET</sub> (m <sup>3</sup> )	L.C.G. (m)	T.C.G. (m)	V.C.G. (m)	I <sub>X</sub> MAX (m <sup>4</sup> )
FRESH WATER Reduction:0.02							
20	F.W.T.(S)	-3-6	63.4	0.93	-6.44	7.56	33.7

NO.	TANK NAME	POSITION (Fr.Num.)	V <sub>NET</sub> (m <sup>3</sup> )	L.C.G. (m)	T.C.G. (m)	V.C.G. (m)	I <sub>X</sub> MAX (m <sup>4</sup> )
DRINK WATER Reduction:0.02							
21	D.W.T.(P)	-3-6	63.4	0.93	6.44	7.56	33.7

NO.	TANK NAME	POSITION (Fr.Num.)	V <sub>NET</sub> (m <sup>3</sup> )	L.C.G. (m)	T.C.G. (m)	V.C.G. (m)	I <sub>X</sub> MAX (m <sup>4</sup> )
COOLING WATER Reduction:0.02							
22	COOLING WATER TK.	4-9	11.1	4.64	0.00	2.71	56.1

NO.	TANK NAME	POSITION (Fr.Num.)	V <sub>NET</sub> (m <sup>3</sup> )	L.C.G. (m)	T.C.G. (m)	V.C.G. (m)	I <sub>X</sub> MAX (m <sup>4</sup> )
FUEL OIL Reduction:0.02							
23	No.1 HFO TK(P)	32-40	133.1	24.36	6.33	5.49	17.9
24	No.1 HFO TK(S)	32-40	133.1	24.36	-6.33	5.49	17.9
25	HFO SERV.TK.	21-23	10.1	14.50	-6.43	10.21	4.5
26	HFO SETT.TK.	23-25	10.1	15.90	-6.43	10.21	4.5
SUBTOTAL			286.4	23.71	-0.45	5.82	

NO.	TANK NAME	POSITION (Fr.Num.)	V <sub>NET</sub> (m <sup>3</sup> )	L.C.G. (m)	T.C.G. (m)	V.C.G. (m)	I <sub>X</sub> MAX (m <sup>4</sup> )
DIESEL OIL Reduction:0.02							
27	MDO/MGO TK(P)	12-16	26.1	8.91	6.40	7.74	10.4
28	MDO/MGO TK(S)	8-16	49.8	7.60	-6.36	7.75	19.8
29	MDO SERV.TK.	30-32	10.1	20.80	-6.43	10.21	4.5
30	MDO SETT.TK.	28-30	10.1	19.40	-6.43	10.21	4.5
31	MGO SERV.TK.	26-28	10.1	18.00	-6.43	10.21	4.5
SUBTOTAL			106.2	11.30	-3.25	8.45	

NO.	TANK NAME	POSITION (Fr.Num.)	V <sub>NET</sub> (m <sup>3</sup> )	L.C.G. (m)	T.C.G. (m)	V.C.G. (m)	I <sub>X</sub> MAX (m <sup>4</sup> )
LUBRICATING OIL Reduction:0.02							
32	LO SETT.TK.	21-24	16.3	13.45	7.89	10.28	6.0
33	LO TK.	24-27	16.3	15.55	7.89	10.28	6.0
34	LO SUMP TK.	16-26	8.2	13.80	0.00	0.85	2.9
SUBTOTAL			40.7	14.36	6.15	8.39	

NO.	TANK NAME	POSITION (Fr.Num.)	V <sub>NET</sub> (m <sup>3</sup> )	L.C.G. (m)	T.C.G. (m)	V.C.G. (m)	I <sub>X</sub> MAX (m <sup>4</sup> )
MISCELLANEOUS Reduction:0.02							
35	SEWAGE TK.	8-12	37.9	6.17	6.72	7.40	20.0
36	F.O.OVERF.TK.	29-34	20.5	21.24	2.66	0.68	92.9
37	F.O.DRAIN TK.	29-34	20.5	21.24	-1.93	0.68	92.9
38	SLUDGE TK.	25-32	13.8	19.07	-7.44	5.10	19.6
39	T.O.STORAGE TK.	23-29	9.8	17.54	-2.70	0.75	15.7
40	T.O.DRAIN TK.	23-29	9.8	17.54	2.70	0.75	15.7
41	L.O.DRAIN TK.	16-23	5.0	13.20	2.09	0.79	2.3
42	DIRTY OIL TK.	16-23	5.0	13.20	-2.09	0.79	2.3
43	ST.L.O.TK.	11-13	2.0	7.54	0.67	0.71	0.6
44	BILGE W.TK.	9-15	9.6	7.91	-1.14	0.72	12.0
SUBTOTAL			133.7	14.44	-1.14	3.07	

OWNER	浙江嘉兴船舶修造有限公司		HULL No.	ZX122			
BUILDER	浙江嘉兴船舶修造有限公司		CLASS	CCS			
TITLE	4,500 DWT BITUMEN CARRIER	DETAIL DESIGN					
DESIGNED	张慧	DWG No.	JH542-103-02	REV.No.			
CHECKED	刘舒	CAPACITY PLAN		A			
VERIFIED	雷坤	舱容图					
APPROVED		SCALE	1:200	PAGE	1/1	DATE	2015.09
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