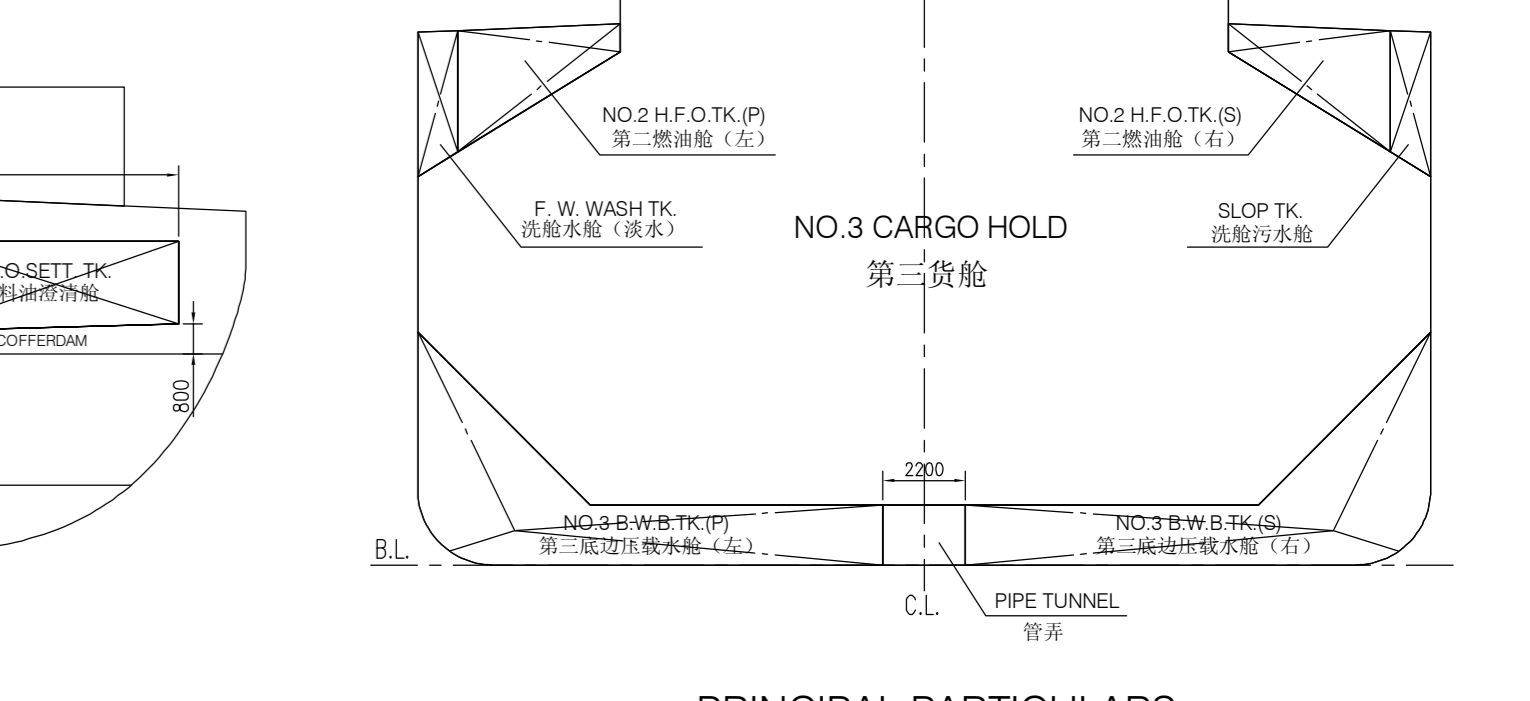


Summary Table

NO.	ABBREVIATION	DESCRIPTION	LOCATION FRAME	VNET m <sup>3</sup>	WEIGHT t	CGX m	CGY m	CGZ m	FRS km
CAPACITY OF CARGO: REDUCTION=0.2%, FILLING=100%									
101	HOLD1	NO.1 CARGO HOLD	172~205	6882.9	147.89	0.00	8.31		
102	HOLD2	NO.2 CARGO HOLD	137~173	8649.6	121.70	0.00	8.35		
103	HOLD3	NO.3 CARGO HOLD	103~138	8335.1	94.08	0.00	8.32		
104	HOLD4	NO.4 CARGO HOLD	68~104	8649.7	66.50	0.00	8.31		
105	HOLD5	NO.5 CARGO HOLD	35~69	7872.6	39.42	0.00	8.55		
SUBTOTAL				40447.9	92.61	0.00	8.38		
CAPACITY OF HEAVY FUEL OIL: RHO=0.98T/M <sup>3</sup> REDUCTION=0.2%, FILLING=98%									
201	HF01P	NO.1 HFO TK (P)	137~172	236.8	219.8	121.20	10.72	13.19	181.9
202	HF02P	NO.2 HFO TK (P)	103~137	230.0	213.5	93.60	10.72	13.19	176.7
203	HF03P	NO.3 HFO TK (P)	68~103	230.0	231.5	93.60	-10.72	13.19	176.7
204	HF04P	NO.4 HFO TK (P)	35~68	155.6	144.44	70.80	-10.72	13.19	119.6
205	HF05P	NO.5 HFO TK (P)	80~103	155.6	144.44	70.80	-10.72	13.19	119.6
206	HF03S	NO.3 HFO TK (S)	80~103	155.6	144.44	70.80	-10.72	13.19	119.6
207	HF05E	H.F.O. SETT. TK.	18~20	24.7	23.7	12.80	-8.23	12.25	41.0
208	HF05V	H.F.O. SERV. TK.	20~22	19.7	18.9	14.40	-7.53	12.24	20.2
209	HF05SV	L.S. H.F.O. SERV. TK.	22~24	19.7	18.9	16.00	-7.53	12.24	20.2
210	HF05SSE	L.S. H.F.O. SETT. TK.	20~25	22.4	21.5	16.30	-9.46	12.27	38.8
SUBTOTAL				1331.3	1278.6	92.98	-0.53	13.13	1076.5
CAPACITY OF DIESEL OIL: RHO=0.85T/M <sup>3</sup> REDUCTION=0.2%, FILLING=98%									
301	MD05T	M.D.O. STOR. TK.	9~17	65.4	54.5	8.27	-8.63	11.90	37.4
302	MD05SE	M.D.O. STOR.&SETT. TK.	9~17	50.4	42.0	8.52	-7.33	9.54	82.3
303	MD05V	M.D.O. SERV. TK.	13~17	15.2	12.7	9.60	-5.67	11.90	0.9
304	MD05SE	M.D.O. SETT. TK.	11~17	17.6	14.7	8.29	-6.43	11.90	2.3
SUBTOTAL				148.6	123.8	8.49	-7.62	11.10	122.9
CAPACITY OF LUBRICATING OIL: RHO=0.9T/M <sup>3</sup> REDUCTION=0.2%, FILLING=98%									
401	LOWSE	M/E L.O. SETT. TK.	12~16	16.9	14.9	8.91	10.45	11.90	1.5
402	LOWSE	M/E L.O. STOR. TK.	12~16	13.5	11.9	8.80	8.82	11.90	0.7
403	LOWSE	G/E L.O. SETT. TK.	12~13.5	11.4	10.1	7.80	6.48	11.90	3.0
404	LOWSE	G/E L.O. STOR. TK.	13.5~16	19.1	16.8	9.40	6.48	11.90	5.0
405	LOCYL1	NO.1 CYL. OIL TK.	16~18	10.2	9.0	11.20	10.62	11.90	1.2
406	LOCYL2	NO.2 CYL. OIL TK.	16~18	22.0	19.4	11.20	7.20	11.90	12.1
407	LOWESU	M/E L.O. SUMP. TK.	20~30	14.0	12.3	17.60	0.00	1.05	4.6
SUBTOTAL				107.2	94.5	10.69	7.09	10.47	28.1
CAPACITY OF FRESH WATER: RHO=1T/M <sup>3</sup> REDUCTION=0.2%, FILLING=100%									
501	FWDIS	DISTILLED WATER TK.	3~8	38.9	38.9	3.30	6.48	12.44	8.3
502	FWP	FRESH WATER TK. (P)	AFT-8	169.0	169.0	0.56	8.68	12.56	266.0
503	FWS	FRESH WATER TK. (S)	AFT-8	207.8	207.8	1.07	-8.27	12.54	341.0
SUBTOTAL				415.7	415.7	1.07	-0.00	12.54	615.3
CAPACITY OF WATER BALLAST: RHO=1.025T/M <sup>3</sup> REDUCTION=0.2%, FILLING=100%									
601	FPT	F.P.T. TK.	205~FORE	1042.7	1068.8	165.59	0.00	5.27	2094.6
602	WB1P	NO.1 BOTTOM W.B.TK (P)	172~205	776.8	796.2	148.46	8.08	2.40	2595.7
603	WB1S	NO.1 BOTTOM W.B.TK (S)	172~205	776.8	796.2	148.46	-8.08	2.40	2595.7
604	WB2P	NO.2 BOTTOM W.B.TK (P)	137~172	806.9	827.1	121.15	8.78	1.65	4390.1
605	WB2S	NO.2 BOTTOM W.B.TK (S)	137~172	806.9	827.1	121.15	-8.78	1.65	4390.1
606	WB3P	NO.3 BOTTOM W.B.TK (P)	103~137	787.4	807.0	93.60	8.80	1.64	4298.5
607	WB3S	NO.3 BOTTOM W.B.TK (S)	103~137	787.4	807.0	93.60	-8.80	1.64	4298.5
608	WB4P	NO.4 BOTTOM W.B.TK (P)	68~103	804.6	824.7	66.07	8.77	1.65	4366.2
609	WB4S	NO.4 BOTTOM W.B.TK (S)	68~103	804.6	824.7	66.07	-8.77	1.65	4366.2
610	WB5P	NO.5 BOTTOM W.B.TK (P)	35~68	731.0	749.3	38.32	8.39	2.61	2451.4
611	WB5S	NO.5 BOTTOM W.B.TK (S)	35~68	731.0	749.3	38.32	-8.39	2.61	2451.4
612	APT	A.P.T. TK.	AFT-8	299.7	307.2	1.40	0.00	9.14	4624.5
SUBTOTAL				9155.6	9384.5	99.28	0.00	2.59	42923.0
CAPACITY OF MISCELLANEOUS: RHO=1T/M <sup>3</sup> REDUCTION=0.2%, FILLING=100%									
701	SEWP	SEWAGE HOLDING TK.	25~31	63.3	63.3	20.22	8.69	5.50	71.9
702	PUSLU	PURIF. SLUDGE TK.	28~34	11.4	11.4	22.40	-6.48	6.53	13.3
703	STLOD	STERN TUBE L.O. DRAIN TK.	12~14	6.8	6.8	8.05	-0.02	1.09	3.0
704	BLG	BILGE HOLD TK.	14~19	22.4	22.4	10.88	0.00	1.09	13.9
705	FOD	F.O. DRAIN TK.	23~31	10.6	10.6	19.84	2.33	1.34	4.9
706	LDD	L.O. DRAIN TK.	23~31	10.6	10.6	19.84	-2.33	1.34	4.9
707	FOOF	F.O. OVER. TK.	31~35	13.4	13.4	23.71	1.99	1.06	15.2
708	SLU	SLUDGE TK.	31~35	14.7	14.7	23.71	-2.18	1.11	20.5
SUBTOTAL				153.2	153.2	19.07	3.07	3.35	147.6
CAPACITY OF COOL WATER: RHO=1T/M <sup>3</sup> REDUCTION=0.2%, FILLING=100%									
801	CW	COOL WATER TK.	AFT-12	37.1	37.1	6.13	0.00	5.20	180.0
SUBTOTAL				37.1	37.1	6.13	0.00	5.20	180.0
CAPACITY OF F.W. WASH: RHO=1T/M <sup>3</sup> REDUCTION=0.2%, FILLING=100%									
802	FWW	F.W. WASHING TK.	80~175	273.4	273.4	98.40	12.98	12.45	7.4
SUBTOTAL				273.4	273.4	98.40	12.98	12.45	7.4
CAPACITY OF SLOP TK: RHO=1T/M <sup>3</sup> REDUCTION=0.2%, FILLING=100%									
803	SLOP	SLOP TK.	80~175	273.4	273.4	98.40	-12.98	12.45	7.4
SUBTOTAL				273.4	273.4	98.40	-12.98	12.45	7.4

Explanation of some symbols:  
 VNET -- net volume. CGZ -- Z coordinate of center of gravity.  
 CGX -- X coordinate of center of gravity. FRS -- max. free surface moment.  
 CGY -- Y coordinate of center of gravity. REDUCTION -- steel reduction.

Typical transverse section in cargo hold part  
 货舱部分的典型横剖面  
 X=#120



PRINCIPAL PARTICULARS  
 主要要素

LENGTH (O.A.)	总长	abt. 176.5 m
LENGTH (B.P.)	垂线间长	171.0 m
BREADTH (MLD)	型宽	27.0 m
DEPTH (MLD)	型深	14.2 m
DESIGNED DRAFT	设计吃水	9.5 m
SCANTLING DRAFT	结构吃水	10.0 m
DEADWEIGHT (AT SCANTLING DRAFT)	结构吃水载重量	abt. 32000 t
CAPACITY OF CARGO HOLDS	货舱容积	abt. 40000 m <sup>3</sup>

FINISHED DESIGN 完工设计  
 当前版本 A 当前状态 当前状态  
 CAPACITY PLAN  
 舱容图  
 HULL NO.: GWS402  
 2013.10.26  
 SHANGHAI MERCHANT SHIP DESIGN & RESEARCH INSTITUTE  
 上海船舶研究设计院  
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 图例: 1.0 m<sup>2</sup>