

M/B "LOŠINJ"

KNJIGA TRIMA I STABILNOSTI

(IZVOD)

Builders

1972

3.Maj - SHIPYARD AND DIESEL ENGINE FACTORY

YARD NUMBER 551

Port of Registry

RIJEKA

Official Number

313

Signal Letters

YTHE

Length overall	148.010 metres	(485 Ft 7 1/2 ins)
Length between perpendiculars	138.000 metres	(452 " 9 1/8 ")
Breadth moulded	20.600 metres	(67 " 7 ")
Depth moulded to upper deck	12.519 metres	(41 " 0 7/8 ")
Depth moulded to 2nd deck in holds	8.700 metres	(28 " 6 1/2 ")
Depth moulded to 2nd deck in engine room	9.240 metres	(30 " 3 3/4 ")
Draught (max), summer	9.202 metres	30 " 2 1/2 ")
Displacement	20200.110 metric tons	(19882 Long tons)
Deadweight, summer	15168.88 metric tons	(14930 Long tons)
Lightship weight, Ready for Sea	5031.23 metric tons	(4952 Long tons)
Lightship centre of gravity	8.810 metres vertical	
	62.950 metres forward of A.P.	

Classed by

LLOYD'S REGISTER OF SHIPPING
+ 100A.1, + LMC WITH NOTATION:
"STRENGTHENING FOR HEAVY CARGOES,"
SUITABLE FOR TIMBER CARGO ON DECK,
FULLY LOADED SHIP CAN SAIL WITH
DEEP TANK EMPTY.

[illegible]

COMPARTMENT	LENGTH OF COMPARTMENT (METRES)	GRAIN CAPACITY (INCLUDING HATCH OVER) (METRES ³)	CENTRE OF GRAVITY (INCLUDING HATCH OVER) (METRES)		TRANSVERSE HEELING MOMENTS (METRES ⁴)
			ABOVE BASE (GRAIN)	FROM AFT PERP	
TWEEN DECK NO 1	18.90	1386	11.32	120.16	520
" " 2	23.00	2061	10.97	100.10	999
" " 3	23.20	2068	10.96	77.00	1162
" " 4	22.40	2015	10.96	54.20	1019
" " 5	21.00	1620	11.00	17.00	973
TOTAL TWEEN DECKS		9150			4673
LOWER HOLD NO 1	18.90	1585	5.44	119.48	560
" " 2	23.00	3398	5.05	99.90	1679
" " 3 HATCH	13.60	2061	5.02	72.20	1030
" " 4 CLOSED	23.20	3513	5.02	53.82	1740
" " 5	19.20	1000	6.72	19.13	733
DEEP TANKS P&S	9.60	1454	4.99	83.80	670
TOTAL HOLDS & DEEP TANKS		13011			6412
COMPARTMENT	GRAIN CAPACITY (INCLUDING HATCH OVER) (METRES ³)	TRANSVERSE HEELING MOMENTS (METRES ⁴)			
		COMMON LOADED	SEPARATELY LOADED		
TWEEN DECK & LOWER HOLDS NO 1	2971	895	1080		
" " " 2	5459	2604	2678		
" " " 3	4129	1612	2192		
" " " 4	5528	2167	2759		
" " " 5	2620	1537	1706		
DEEP TANKS P&S	1454	670	670		
TOTAL OF TWEEN DECKS, LOWER HOLDS & DEEP TANKS	22161	9485	11085		

SEE ALSO PAGE NO 51

GRAIN SHIFT MOMENTS FOR
FILLED COMPARTMENTS - ENDS TRIMMED

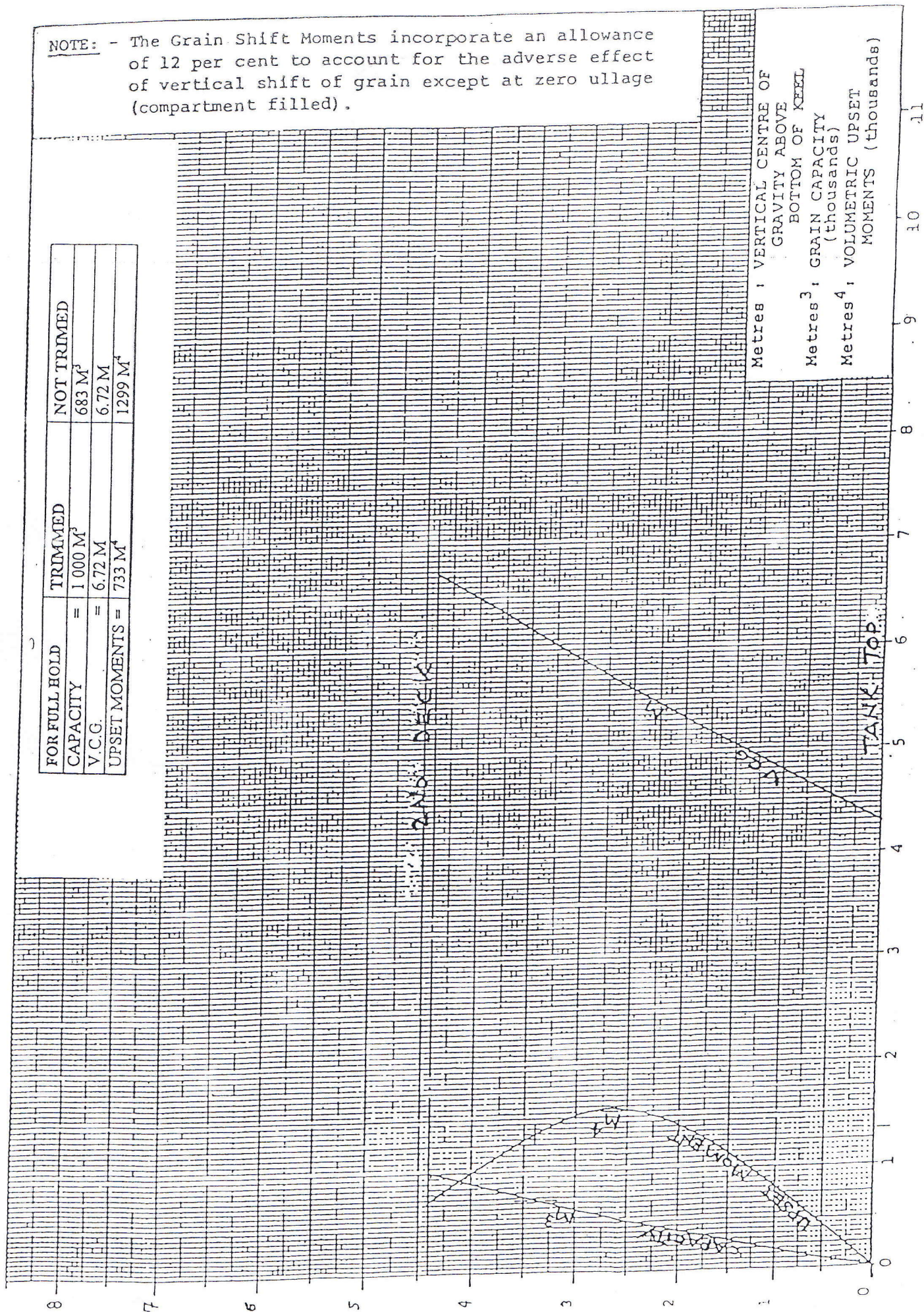
M.V. "LOSING"

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NOTE: - The Grain Shift Moments incorporate an allowance of 12 per cent to account for the adverse effect of vertical shift of grain except at zero ullage (compartment filled).

FOR FULL HOLD	TRIMMED	NOT TRIMMED
CAPACITY	= 1 000 M ³	683 M ³
V.C.G.	= 6.72 M	6.72 M
UPSET MOMENTS =	733 M ⁴	1299 M ⁴



CAPACITIES OF HOLDS AND TWEEN DECKS

COMPARTMENT	POSITION BETWEEN FRAMES	GRAIN				BALE			
		VOLUME		CENTRE OF GRAVITY IN METRES. FROM		VOLUME		CENTRE OF GRAVITY IN METRES. FROM	
		CUBIC METRES	CUBIC FEET	BOTTOM OF KEEL	AFTER PERPEN.	CUBIC METRES	CUBIC FEET	BOTTOM OF KEEL	AFTER PERPEN
No. 1 HOLD	170-143	1,261	44,534	5.44	119.48	1,363	48,136	5.23	119.34
No. 2 HOLD	143-114	2,740	96,727	5.05	99.90	2,974	105,032	4.87	99.66
No. 3 HOLD	102-85	1,657	58,520	5.02	72.20	1,819	64,241	4.83	72.38
No. 4 HOLD	85-56	2,818	99,522	5.02	53.82	3,170	111,954	4.87	53.80
No. 5 HOLD	37-13	683	24,121	6.72	19.13	815	28,783	6.52	19.34
DEEP TANK P. & S.	114-102	1,068	37,718	4.99	83.80	1,290	45,558	4.90	83.80
TOTAL HOLDS		10,227	361,182			11,431	403,704		
No. 1 TWEEN DECK	170-143	968	34,186	11.32	120.18	1,278	45,135	11.25	120.18
No. 2 TWEEN DECK	143-114	1,349	47,642	10.57	100.10	1,915	67,631	10.90	100.03
No. 3 TWEEN DECK	114-85	1,239	43,757	10.56	77.00	1,898	67,031	10.88	77.01
No. 4 TWEEN DECK	85-57	1,311	46,300	10.56	54.20	1,879	66,360	10.89	53.86
No. 5 TWEEN DECK	37-10	940	33,198	11.00	17.00	1,497	52,869	10.54	17.01
TOTAL TWEEN DECKS		5,807	205,083			8,467	299,026		
GRAND TOTAL		16,034	566,265			19,898	702,730		

NOTE: Grain volumes of filled compartments shown in this tabulation may only be used in conjunction with Transverse Heeling Moments tabulated on Page No 8.

CAPACITIES OF FUEL OIL TANKS

COMPARTMENT	POSITION BETWEEN FRAMES	CAPACITY		LONG TONS		CENTRE OF GRAVITY IN METRES FROM		FREE SURF. "I" VALUES
		CUBIC METRES	CUBIC FEET	HEAVY OIL 37.38 cu./ft/s	DIESEL OIL 41.72 cu./ft/s	BOTTOM OF KEEL	AFTER PERPEN.	
No. 3 DOUBLE BOTTOM TANK P.	117—88	250.4	8,843	236.6		0.67	79.39	1,445
No. 3 DOUBLE BOTTOM TANK S.	117—88	250.4	8,843	236.6		0.67	79.39	1,445
No. 4 DOUBLE BOTTOM TANK P.	88—54	280.2	9,896	264.7		0.67	54.75	1,670
No. 4 DOUBLE BOTTOM TANK S.	88—54	280.2	9,896	264.7		0.67	54.75	1,670
H. F. O. SETTLING TANK P.	41—37	29.7	1,049	28.1		7.38	28.85	17
H. F. O. SETTLING TANK S.	41—37	29.7	1,049	28.1		7.38	28.85	17
DAILY H. F. OIL TANK P.	41—37	14.4	509	13.6		7.33	28.80	1
DAILY H. F. OIL TANK S.	41—37	14.4	509	13.6		7.33	28.80	1
DIESEL OIL D. B. TANK P.	54—40	104.5	3,690		88.4	0.86	35.26	260
DIESEL OIL D. B. TANK S.	52—38	101.5	3,585		85.9	0.86	33.54	226
DIESEL OIL DAILY TANK P.	-39—37	9.3	328		7.9	7.68	27.60	2
DIESEL OIL DAILY TANK S.	-39—37	9.3	328		7.9	7.68	27.60	2
TOTAL		1374.0	48525	1086.0	190.1			
OVERFLOW TANK	54—52	10.1	357	9.6		0.81	39.79	9
SLUDGE TANK	54—52	6.8	240	6.4		0.90	39.80	6

CAPACITIES OF FRESH WATER TANKS

COMPARTMENT	POSITION BETWEEN FRAMES	CAPACITY		LONG TONS	CENTRE OF GRAVITY IN METRES FROM		FREE SURF. "I" VALUES
		CUBIC METRES	CUBIC FEET	35.88 cu./ft/s	BOTTOM OF KEEL	AFTER PERPEN.	
FRESH WATER TANK P	37—34	62.9	2,222	61.90	2.26	25.82	72
FRESH WATER TANK S.	37—34	57.4	2,027	56.50	2.18	25.80	53
F. W. TANK IN ST. GEAR COMP. S.	10—6	49.5	1,748	48.70	11.31	4.82	80
F. W. TANK IN ST. GEAR COMP. P	10—6	49.5	1,748	48.70	11.31	4.82	80
TOTAL		219.3	7,745	215.80			285
FEED WATER TANK	39—37	11.3	399	11.40	0.87	27.81	23
PISTON COOLING FRESH WATER TANK	55—51	6.2	219	6.10	1.06	39.79	3

CAPACITIES OF WATER BALLAST TANKS

COMPARTMENT	POSITION BETWEEN FRAMES	CAPACITY		LONG TONS	CENTRE OF GRAVITY IN METRES FROM		FREE SURF "I" VALUES
		CUBIC METRES	CUBIC FEET		BOTTOM OF KEEL	AFTER PERPEND.	
FORE PEAK	170	436.3	15,409	440.3	7.28	134.24	430
No. 1 DOUBLE BOTTOM TANK	170 — 143	335.7	11,856	338.7	1.10	119.46	2,400
No. 2 DOUBLE BOTTOM TANK P.	143 — 117	219.2	7,741	221.2	0.67	100.84	1,330
No. 2 DOUBLE BOTTOM TANK S.	143 — 117	219.2	7,741	221.2	0.67	100.84	1,330
No. 3 DOUBLE BOTTOM TANK P.	117 — 88	250.4	8,843	252.7	0.67	79.39	1,540
No. 3 DOUBLE BOTTOM TANK S.	117 — 88	250.4	8,843	252.7	0.67	79.39	1,540
WING TANK P.	34 — 16	184.8	6,526	186.4	2.18	19.56	128
WING TANK S.	34 — 16	169.2	5,976	170.7	2.12	19.54	105
AFTER PEAK	13	145.3	5,132	146.6	8.21	3.86	492
TOTAL		2,210.5	78,067	2,230.5			
DEEP TANK P.	114 — 102	727.0	25,675	733.5	4.99	83.80	892
DEEP TANK S.	114 — 102	727.0	25,675	733.5	4.99	83.80	892

CAPACITIES OF LUBRICATING OIL TANKS

COMPARTMENT	POSITION BETWEEN FRAMES	CAPACITY		LONG TONS	CENTRE OF GRAVITY IN METRES FROM		FREE SURF "I" VALUES
		CUB. METRES	CUBIC FEET		BOTTOM OF KEEL	AFTER PERPEND.	
LUBRICATING OIL SUMP TANK	49 — 38	13.4	473	11.8	1.10	31.46	4
DIRTY LUBRICATING OIL TANK	50 — 46	7.8	276	6.9	0.73	35.84	2
CYLINDER OIL TANK P.	-39 — 37	8.0	283	7.1	10.96	27.72	2
CYLINDER OIL TANK S.	-39 — 37	8.0	283	7.1	10.96	27.72	2
SEPARATED LUB. OIL TANK FOR M.E.	-55 — -50	12.2	431	10.8	7.33	39.40	1
CLEAN LUB. OIL TANK FOR M.E.	-55 — -50	14.0	494	12.4	7.33	39.41	1
CLEAN LUB. OIL TANK FOR AUX.E	-50 — -49	5.9	208	5.2	7.33	37.30	2
TOTAL		69.3	2,448	61.3			14