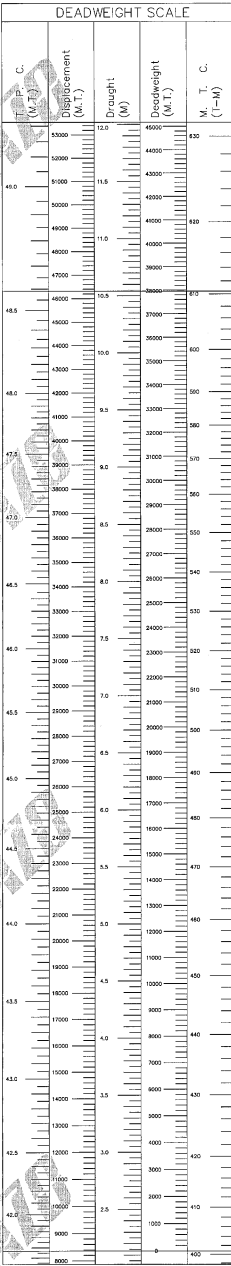


# CAPACITY PLAN WITH DEADWEIGHT SCALE

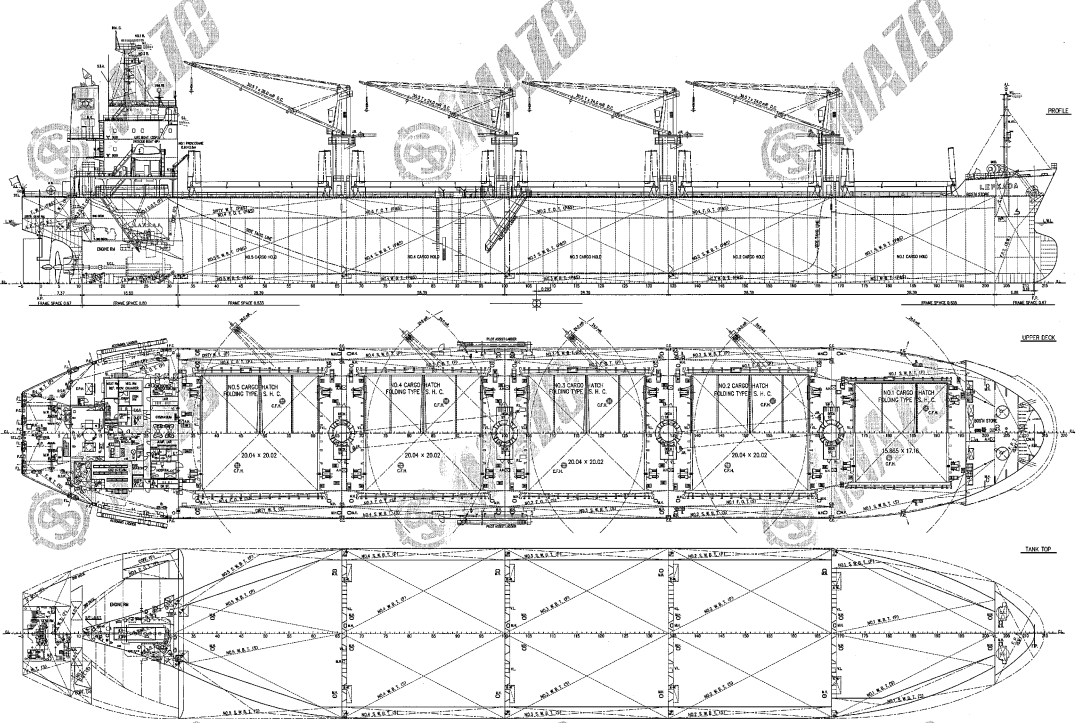
M.S. LEFKADA



FREEBOARD TABLE

LOAD LINE	MIN. FREEBOARD	DEADWEIGHT	DEADWEIGHT
	(M)	(M.T.)	(M.T.)
TROPICAL FRESH WATER	1.1	30,987	30,976
FRESH WATER	1.0	30,500	30,500
TROPICAL	0.9	30,013	30,000
SUMMER	0.8	29,526	29,513
WINTER NORTH ATLANTIC	0.7	29,039	29,026
WINTER NORTH ATLANTIC	0.6	28,552	28,539

\* THE SECOND UPPER CORNER OF THE T-CARGO HATCH FOR WHICH THE CORNER CORRESPONDING TO THE ABOVE PARTICULARS, AS THIS LOAD LINE SHALL BE MARKED \*\*



TABLES for CARGO HOLD (GRAIN) and CARGO HOLD (BALE) with columns for N A M E, POSITION, CAPACITY, WEIGHT, and LCC.

N A M E	POSITION (FRAME)	CAPACITY		WEIGHT		LCC
		M <sup>3</sup>	M <sup>3</sup>	MT	MT	
NO.1 CARGO HOLD	HOLD	105.5-202	2,725.50	258,263.30	-64.40	8.35
	HATCHWAY	173-192	15,924.24	-63.34	16.07	
	SUM		17,000.00	272,187.54	-64.34	8.80
NO.2 CARGO HOLD	HOLD	134-168	9,261.78	927,079.78	-37.37	8.19
	HATCHWAY	139-163	6,701.96	23,694.95	-37.04	16.06
	SUM		15,963.74	950,774.71	-74.41	8.72
NO.3 CARGO HOLD	HOLD	105-134	9,295.86	308,383.30	-9.04	8.19
	HATCHWAY	105-129	6,701.96	23,694.95	-8.65	16.06
	SUM		16,000.00	332,078.25	-17.69	8.72
NO.4 CARGO HOLD	HOLD	66-100	8,284.21	327,871.88	19.34	8.19
	HATCHWAY	71-85	6,701.96	23,694.95	19.78	16.06
	SUM		15,000.00	351,566.83	39.12	8.72
NO.5 CARGO HOLD	HOLD	32-66	8,761.75	359,421.20	47.22	8.49
	HATCHWAY	37-61	6,701.96	23,694.95	48.14	16.06
	SUM		15,463.71	383,116.15	95.36	9.03
TOTAL		46,994.86	1,659,623.48			

TABLES for WATER BALLAST TANK (100% FULL) and FRESH WATER TANK (100% FULL) with columns for N A M E, POSITION, CAPACITY, WEIGHT, and LCC.

N A M E	POSITION	CAPACITY		WEIGHT		LCC
		M <sup>3</sup>	M <sup>3</sup>	MT	MT	
FORE PEAK TANK	C 202-F/E	1,031.06	1,096.84	-82.93	7.92	
NO.1 W.B.T.	P 168-202	490.63	492.65	-63.28	0.89	
NO.2 W.B.T.	P 134-168	590.34	597.35	-37.06	0.86	
NO.3 W.B.T.	P 100-134	892.39	899.45	-8.70	0.86	
NO.4 W.B.T.	S 100-134	892.39	899.45	-8.70	0.86	
NO.5 W.B.T.	P 66-100	590.28	597.29	19.65	0.86	
NO.1 S.W.B.T.	P 168-202	1,041.53	1,067.57	-83.64	9.19	
NO.2 S.W.B.T.	P 134-168	753.02	771.85	-37.02	8.37	
NO.3 S.W.B.T.	P 100-134	753.63	772.47	-8.64	8.37	
NO.4 S.W.B.T.	P 66-100	753.63	772.35	19.75	8.37	
NO.5 S.W.B.T.	P 32-66	568.01	582.21	48.19	6.40	
AFT PEAK TANK	C A/E-11	299.91	307.41	84.03	9.42	
TOTAL		15,089.33	15,466.61			

TABLE for FUEL OIL TANK (100% FULL) with columns for N A M E, POSITION, CAPACITY, WEIGHT, and LCC.

N A M E	POSITION	CAPACITY		WEIGHT		LCC
		M <sup>3</sup>	M <sup>3</sup>	MT	MT	
NO.1 FUEL OIL T.	P 134-168	223.62	219.15	-37.18	13.65	
NO.2 FUEL OIL T.	P 100-134	221.16	216.74	-8.65	13.64	
NO.3 FUEL OIL T.	S 100-134	221.16	216.74	-8.65	13.64	
NO.4 FUEL OIL T.	P 66-100	221.16	216.74	19.75	13.64	
SUM		1,775.28	1,739.50			
NO.1 DIESEL OIL T.	P 20-30	113.63	108.17	61.32	12.07	
NO.2 DIESEL OIL T.	S 8-13	56.74	49.63	78.96	12.95	
SUM		170.57	150.10			
TOTAL		1,945.85	1,889.9			

TABLE for LUBRICATING OIL TANK (100% FULL) with columns for N A M E, POSITION, CAPACITY, WEIGHT, and LCC.

N A M E	POSITION	CAPACITY		WEIGHT		LCC
		M <sup>3</sup>	M <sup>3</sup>	MT	MT	
L.O. SLUMP T.	C 18-27	18.76	17.26	69.92	0.60	
S/T L.O. SLUMP T.	P 13-15	1.54	1.42	76.69	1.35	

TABLE for OTHER TANK (100% FULL) with columns for N A M E, POSITION, CAPACITY, WEIGHT, and LCC.

N A M E	POSITION	CAPACITY		WEIGHT		LCC
		M <sup>3</sup>	M <sup>3</sup>	MT	MT	
DIRTY W. T.	P 32-66	200.94	48.08	48.08	13.25	
BURGE SLUDGE T.	S 24-31	19.89	55.48	55.48	1.01	
F.O. OVERFLOW T.	S 28-31	13.06	64.20	64.20	0.89	
M/E A/C DRAIN T.	S 24-28	9.01	66.98	66.98	1.04	
BURGE T.	C 11-17	48.40	70.07	70.07	0.87	
S/T COOL. W. T.	C 18-27	9.42	79.87	79.87	3.14	

PRINCIPAL PARTICULARS

LENGTH (O.A.)	179.97 m
LENGTH (P.P.)	170.89 m
BREADTH (M.B.)	28.00 m
DRAUGHT (M.B.)	10.50 m
DRAUGHT (AT SUMMER EXTREME)	10.50 m
DEADWEIGHT (AT ASSIGNED DRAUGHT)	37,991 MT
GROSS TONNAGE (REG. T.M.)	23,300
NET TONNAGE (REG. T.M.)	12,031
MAIN ENGINE	MANULISA-WITSA-MAN B & W BESSON - C52 X 1 Mt
MAXIMUM CONTINUOUS RATING	6,760 HP x 300 RPM
NORMAL OUTPUT RATING	5,534 HP x 280 RPM (1.75 SEASPEED I)
HOLD CAPACITY (1 GRAIN)	46,994.86 MT
SPED. IN CLAS.	45.13 Kts
NET SERVICE SPEED (AT 10.50 M DRAUGHT) AT REG. OUTPUT (AT 15.5 Kts)	3.80 - 14.5 knots
MAX. SERVICE SPEED	18.20 knots
CLASS	NEPTON CLASS (REG. I.M.C.)
CLASSIFICATION CHARACTER	
DESCRIPTION NOTE	
STRUCTURED BY HEAVY LIFTING (LOAD M. WEIGHT HOLD NO. 2, 3 & 4 MAY BE EMPTY)	
DOUBLE HULL CONSTRUCTION APPLIED TO ALL CARGO HOLDS	
REGULATORY CHARACTER	
REG. OFF. (REG. NO.)	428,000 / 42

COMPLEMENT

DECK PART	ENGINE PART	BUSINESS PART	
CAPTAIN	1	CHEF ENGINEER	1
CHIEF OFFICER	1	1ST ENGINEER	1
2ND OFFICER	1	2ND ENGINEER	1
3RD OFFICER	1	3RD ENGINEER	1
BOATSWAIN	1	MILL OPER.	1
ABLE SEAMAN	3	CHIEF	1
OSD SEAMAN	2	SEAMAN	1
VESS. MAN	1	VESS. MAN	1
TOTAL NUMBER OF OFFICER		8	8
TOTAL NUMBER OF CREW		11	11
OFFICER'S SPARE (1st CLASS OFFICER CLASS)		2	2
CREW'S SPARE (1st CLASS CREW CLASS)		1	1
OFFICER'S SPARE (2nd CLASS OFFICER CLASS)		1	1
CREW'S SPARE (2nd CLASS CREW CLASS)		25	25



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FINISHED PLAN  
DESIGNED BY: M.S. LEFKADA  
CHECKED BY: S. S. LEFKADA  
DRAWN BY: S. S. LEFKADA  
DATE: August 8, 2016

M.S. LEFKADA  
IMO 9787546  
CAPACITY PLAN  
WITH DEADWEIGHT SCALE  
CLASS: S-HETI  
DATE: August 8, 2016