

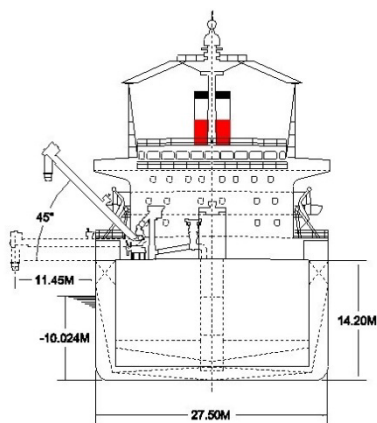
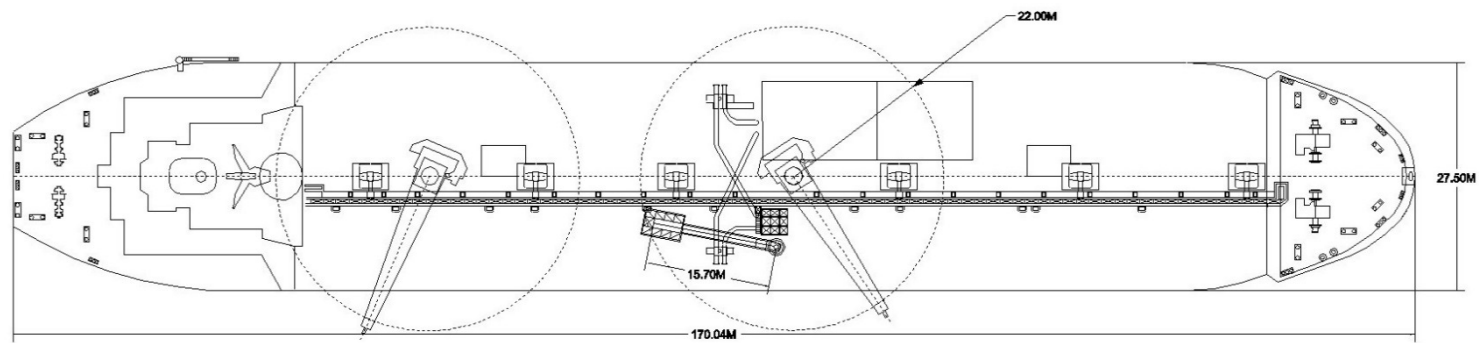


TECHNICAL SPECIFICATIONS

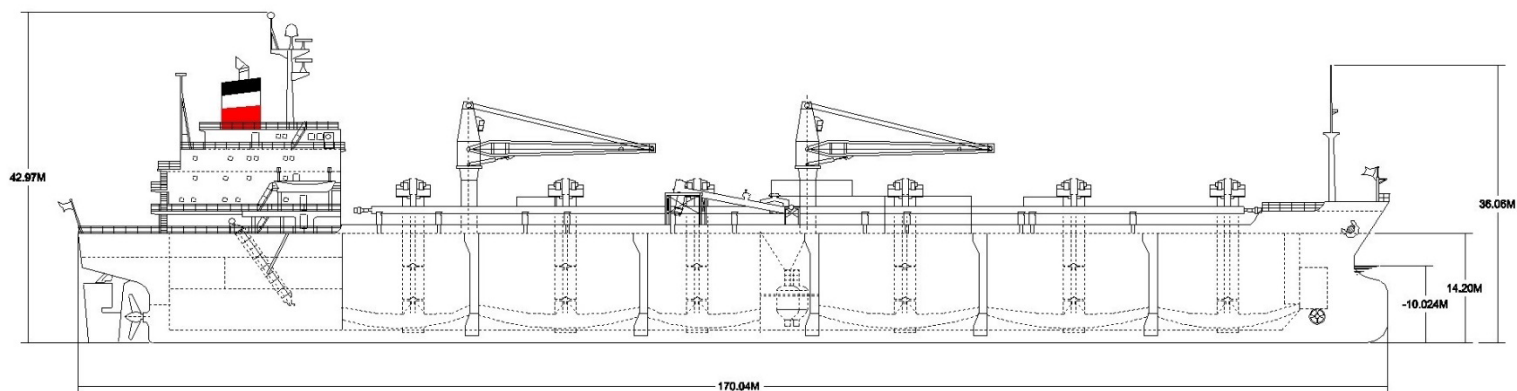
Built	1984 (converted to a cement carrier in 1998)
Classification	Cement Carrier ERS, MLC-IC, ISPS-IC, SMC
Length Overall	170.04 metres
Breadth Moulded	27.50 metres
Depth Moulded	14.20 metres
Total Hold Capacity	25,957 cubic metres
Deadweight – Summer	28,979 tonnes
Draft	10.02 metres
Gross Tonnage	18,284 tonnes
Net Tonnage	6,750 tonnes
Thruster	1,200 kW
Discharge Rate (maximum)	850 tonnes/hour

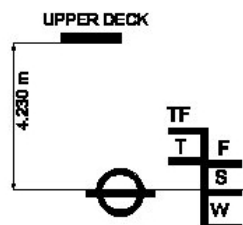
MV *Luga* is a cement carrier designed for pneumatic and mechanical loading and unloading.

The vessel carries cement and fly ash.



ASSIGNED DRAFT			
Season	Draft (metre)	Displ (tonnes)	DWT (tonnes)
TF	10.48	37,972	29,812
F	10.25	37,140	28,981
T	10.23	37,989	29,828
S	10.02	37,138	28,979
W	9.82	36,293	28,134





DEADWEIGHT SCALE - MV LUGA										
DRAFT				DISPLACEMENT (tonnes)	TPC (tonnes)	DEADWEIGHT (tonnes)	DRAFT			
Sea Water		Fresh Water					Sea Water			
(metres)	(feet)	(metres)	(feet)				(feet)	(metres)		
10.5	36	11	36		41	30,000	36	10.5		
10	34	10.5	34				34	10		
9.5	32	10	32	35,000	40	25,000	32	9.5		
9	30	9.5	30				30	9		
8.5	28	9	28	30,000	39	20,000	28	8.5		
8	26	8.5	26				26	8		
7.5	24	8	24	25,000	38	15,000	24	7.5		
7	22	7.5	22				22	7		
6.5	20	7	20	20,000		10,000	20	6.5		
6	18	6.5	18				18	6		
5.5	16	6	16	15,000	37	5,000	16	5.5		
5	14	5.5	14				14	5		
4.5	12	5	12	10,000	36	0	12	4.5		
4	10	4.5	10				10	4		
3.5		4						3.5		
3		3.5						3		
2.5		3						2.5		

Lightship 8,159 t

HATCH AND HOLD SPECIFICATIONS

HOLD VOLUMES (CUBIC METRES)

HOLD NUMBER	1	2	3	4	5	6	TOTAL
Cubic Volume	3,267	5,236	5,249	3,728	5,238	3,239	25,958
Weight (Tonnes) Maximum	3,824	6,157	6,173	4,383	6,160	3,809	

CARGO HANDLING EQUIPMENT

Loading Mechanical: Midship

Secondary Loading Point: #2 Hold

Pneumatic Loading Point

Loading is only on starboard midship through 2 pcs 14' diameter pipes into cargo holds #3 and #5

Unloading Mechanical: Through Unloading Boom

Pneumatic Unloading

Through 2 Lines, port and starboard.

Horizontal Distance: 300 m

Vertical Maximum Rate: 50 m

Number of 90 Degrees Bends: 5 pcs

Discharge Pipe O.D. 18"

Screw Compressors; Aezener, 4 Units 142 CBM / Min x 4

Aeration Blowers: 100 CBM / Min x 2

Reversible Horizontal Screw Conveyor

Forward: 1000 tph, Length 39 m

Aft: 1000 tph, Length 34 m

Vertical Screw Conveyors

Maximum: 675 tonnes/hour

Height: 17.7 m

Dust Collectors

Number of Units: 2

Capacity: 9,600 CBM of Air x 2

Cranes: 2 x 25t SWL for hose handling, forward and aft

CONSUMPTION (TONNES PER DAY)

	SPEED		MAIN ENGINE HFO		A/E
	Loaded	Ballast	Loaded	Ballast	HFO
Sea	13.00	13.00	19.00	17.80	1.30
Port/ Anchorage			N/A	N/A	1.60
Loading/ Discharge			N/A	N/A	7.70/9.00

All specifications are given in good faith but without guarantee.