

SHIP PARTICULARS m/v AFINA

Name (Ex-Name):	Afina (LMZ Trodos, Katerina S, Sea Merchant)
Built:	Sept 1983, Japan
Yard:	Shimizu Works Nippon Kokan K.K., Shimizu, Japan, Builder Building ID 397
Owners:	Mindaugas Shipping Limited
Managers (ISM):	CSM Energy, Cyprus
Flag:	LIBERIA
Call Sign:	5LHK5
Port Of Registry:	Monrovia
Official No./ IMO No.:	22152 / 8029272
Class Register No:	8329668
INMARSAT-C No:	1-463737368; 2-463737369; 3-463737367
Fleet:	Iridium - 881677759713
Mobile phone No:	n/a
MMSI:	636022152
Type:	Bulk Carrier
Master and Crew:	Ukrainian, Indonesian
ABS Class:	A1, Bulk Carrier, AMS, ACCU
P & I:	The North of England Protecting & Indemnity Association Ltd.
H & M / Value:	The North of England Protecting & Indemnity Association Ltd
International GRT/NRT:	21.168 / 12.980
Suez (fitted):	21,639.92 / 18,134.28
Panama (fitted):	22,498.60 / 18,263.88
LOA / LBP / Breadth Moulded / Depth:	177.50m / 167.35m / 29.51m /14.8m
Draft in ballast condition (50 pct of stores):	Fore: 4.30 m; Aft: 6.70 m / TPC – 40.9
Air draft max	45,80 m

Light Ship Weight – 8316.16 mt

	Draft	DWAT	TPC
Summer SW (draft/dwt/tpc)	10.665 m	34.708 mt	44.8
Winter SW	10.443 m	34.427 mt	44.6
Tropical SW	10.887 m	36.419 mt	45.0
Fresh	10.905 m	35.421 mt	45.0
Tropical Fresh	11.127 m	36.397 mt	45.2

Draft, m	Sea Water DWT,	Fresh Water DWT,	TPC
5.0	11,357		40.6
6.0	15,447		41.2
7.0	19,600	18,940	41.7
7.5	21,690	20,990	42.1
8.0	23,800	23,010	42.4
8.5	25,920	25,100	42.8
9.0	28,080	27,210	43.2
9.5	30,640	29,700	43.8
10.0	32,490	31,490	44.2
10.5	34,700	33,640	44.6

Fresh Water Allowance:	240 mm
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Number of holds / hatches:			5 / 5		
Hold	Length, m	Width, m	Height, m	Tank top (LxW), m	
1	19.00	19.00 x 29.30	13.00	20.00	7.00/21.00
2	25.00	29.50	13.00	22.50	21.20
3	26.00	29.50	13.00	23.60	21.30
4	27.50	29.40	13.00	25.50	21.20
5	26.50	29.40 x 22.50	13.00	27.00	21.20/13.20

Hold	Grain		Bale	
1	5.383 cubm	190.099 cubf	5.193 cubm	183.389 cubf
2	9.179 cubm	324.153 cubf	8.900 cubm	314.300 cubf
3	8.719 cubm	307.909 cubf	8.435 cubm	297.880 cubf
4	9.129 cubm	322.388 cubf	8.835 cubm	312.005 cubf
5	9.048 cubm	319.527 cubf	8.832 cubm	311.900 cubf
Total	41.458 cubm	1.464.086 cubf	40.195 cubm	1.419.473 cubf

Vsl's holds are free of obstructions	
Tanktops are steel and suitable for grabs discharging.	
Holds are fitted with Australian type ladders.	
No CO2 in holds and no smoke detection system.	
Ventilation in holds:	Natural
Hatch covers type:	Folding type
Size of hatch No 1:	13.015m x 10.30m
Hatches No 2 – 5:	19.55m x 15.10m
Distance from waterline to the top of hatch coaming in ballast / laden:	11.8 (aft part) / 6.5 m
Distance from keel to top of hatch coaming:	16.53 m
Distance from ships rail to edge of hatch covers/coaming:	7.00 m
Tank top strength:	Hold No. 1, 3 – 23.1 mts per sqm Hold No. 2, 4 – 15.6 mts per sqm Hold No. 5 – 17.6 mts per sqm
Hatchcovers strength:	1.75 mts per sqm
Upper Deck strength:	3.45 mts per sqm
Distance from keel to the top of the mast:	45.8 m
Two cement holes per hold.	

Vessel deballasting rate:	Upto 350 mts per hour as max
Max acceptable loading rate:	Upto 500 mts per hour as max
Max ballast capacity:	12.500 mts ssw
Fresh water capacity:	230 mts
Fresh water daily consumption:	10 mts
Constant excluding fresh water	250 mts
Vessel is fitted to carriage of grain in accordance with Chapter IV of SOLAS 1974 and amendments without requiring bagging strapping and securing when loading a full cargo (deadweight) of heavy grain in bulk (sf 42 cbft) with ends untrimmed.	
Number of holds which may be left slack without requiring bagging, strapping and securing:	ONE

Vessel has 2 canes SWL – 35 mts (12.0 – 30.0 m) . SWL – 30 mts (12.0 – 36.0 m) lifting capacity.	
Make and type:	Liebherr, Germany, Electro hydraulic jib crane.

Full bunker capacities (IFO/MGO):	IFO 1428 cub.m / MGO 434 cub.m
Unpumpables:	IFO 80 mts / MGO 10 mts

Specification of fuel (IFO/MGO):	IFO 180 RME 25 SG MAX 0.988 / MGO DMA MAX SULPHUR 0.2 TO ISO 8217:2005 (E)
Daily consumption at sea at 12.5 knts speed basis Beaufort force 3 Douglas sea state 2:	IFO – 25.0 mts / MGO – 2.5 mts
Daily consumption at port (idle/working):	MGO – 2.0/3.5-4.0 mts; IFO – 1.1 mts
Vessel burning MGO in M/E while maneuvering/navigating in shallow waters, canals, rivers, in/out of ports and shifting between berth.	
Service speed:	12.5 knots
Main engine:	Mitsubishi Sulzer 6RLB66
Output / RPM:	10.660 bhp / 131 rpm
Propeller Diam x Pitch	5500 mm x 3715 mm

