



# BOS CHALLENGE

## 6500 BHP | 85 TBP | DP2

Class Notation: LR 100A1 AHTS, Fire-Fighting Ship 1 (2,400 m<sup>3</sup>/h) with Water Spray, HNLS, Oil Recovery, \*IWS, WDL (7t/m<sup>2</sup> from Aft to Frame 70), ECO(TOC) LMC, UMS, DP(AA) ShipRight (IHM-EU+)

### Main Particulars

Flag:	Singapore
Call Sign	9V3668
IMO No.	9749623
Year Built	2016
Design Draft	5.4m
Max Summer Draft	5.8m
Gross Tonnage	2,387 T
Net Tonnage	716 T
Deadweight (Max Draught)	1,781 T
Displacement	4,001 T

### Dimensions

Length Overall	65m
Beal Overall	16.4m
Depth Moulded	6.8m

### Performance

Fuel consumption at 9.5 knots	Abt 12 m <sup>3</sup> /day
Fuel consumption at 7.5 knots	Abt 8.3 m <sup>3</sup> /day
Towing at 4.5 knots	Abt 17 m <sup>3</sup> /day
DP mode	Abt 5 m <sup>3</sup> to 7 m <sup>3</sup> /day
General field duties - average	Abt 7 m <sup>3</sup> /day

*\*Subject to actual weather and operating conditions*

### Cargo Deck

Deck Cargo Area	425m <sup>2</sup>
Deck Cargo Dimension	31.5m x 13.5m
Deck Cargo Capacity	700T
Deck Strength	7T/m <sup>2</sup>

### Capacities

Cargo Fuel Oil Tank*	557 m <sup>3</sup>
Fresh Water	414 m <sup>3</sup>
Drill Water*	1,200 m <sup>3</sup>
Liquid mud / brine / ORO*	395 m <sup>3</sup>
Dry Bulk Tank	186 m <sup>3</sup>
Foam	12m <sup>3</sup>
Detergent	12 m <sup>3</sup>

*\*Indicates tanks with shared capacity*

### Main Engines & Generators

Main Engine	2 x MAK 8M25C 2,400 kW
Generator	3 x 450 kW diesel driven

### Thrusters & Propulsion

Bow Thruster	2 x 10T (550 kW) electric driven
Stern Thruster	8T (550 kW) electric driven
Propeller	CPP

### Deck Crane

Fixed Crane	3T SWL @ 10m
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### Anchor Handling/Tow Equipment

Tow/Anchor Handling Winch	MacGregor
Stall Pull Capacity	150T
Brake Holding Capacity	250T
Tow Drum Capacity	1,500 m x 64 mm wire rope
Anchor Handling Capacity	1,500 m x 64 mm wire rope
Spare tow wire capacity	1,500 m x 64 mm wire rope
Tugger Winch	2 x 10T @ 15m/min
Capstan	2 x 5T @ 15m/min
Shark Jaws	2 x Karmfork of 300T SWL
Tow Pins	2 x 300T SWL
Stern Roller	5m x 1.6m; 300T

### Mooring Equipment

Anchor	2 x 1,610 kg
Anchor Chain	2 x 440m x 40mm
Anchor Windlass	MacGregor

### Dynamic Positioning System

DP Class	Class 2
References	2 x DGPS; 1 x Laser (Cyscan MK4)
Joystick	Kongsberg C_Joy

### Discharge Rates

Drill Water/Pump	100 m <sup>3</sup> /hr @ 70m head
Fresh Water/pump	100 m <sup>3</sup> /hr @ 70m head
Fuel/Pump	100 m <sup>3</sup> /hr @ 70m head
Liquid Mud/Brine/ORO	75 m <sup>3</sup> /hr @ 70m head
Dry Bulk Tank	40 m <sup>3</sup> /hr @ 60m head

### Communications Equipment

HF radio	Furuno model RC-1800T
VHF radio	Furuno FM-8800S
Portable VHF radio	3 x McMurdo Model R2 GMDSS
Satellite EPIRB	McMurdo model SMARTFIND E5
Navtex receiver	Furuno NX-700A (GMDSS)
SART	2 x McMurdo S4 Rescue SART
AIS	Furuno FA-150
Remote Fuel Monitoring System	Krohne flow meters + eGenKit system

### Navigation Equipment

Radar no. 1	X-Band radar
Radar no. 2	S-Band radar
GPS	GPS plotter
Echo sounder	Navigational Echo-Sounder
Electronic Chart Display System	ECDIS
Auto pilot	Auto pilot system
Gyro compass	3 x gyro compass
Magnetic compass	1 x magnetic compass
Dynamic positioning	Kongsberg DPS-2

### Fire Fighting and Rescue

Firefighting System	FiFi-1
FiFi Pump	2 x 1,200 m <sup>3</sup> /hr
FiFi Monitor	2 x 1,200 m <sup>3</sup> /hr
Spray Boom	2 x 6m
Rescue Boat	1 x 6 men with 25hp OBM

### Accommodation

Cabins	11 x 1 bed; 14 x 2 beds Total 39 beds
Hospital	1 bed



