



BRITOil 72

7,268 BHP | 100 t BP | AHT

Class Notation: **A1**, Towing Vessel, AH, **C**, **AMS**

Main Particulars

Item	Detail
Flag	Singapore
IMO	9614658
Call Sign	9V9217
Built	2012
Length Overall	47.0 m
Breadth (Moulded)	12.6 m
Depth (Moulded)	5.6 m
Designed Draft	4.5 m
Gross Tonnage	1,094 t
Net Tonnage	328 t
Deadweight	568 t

Machinery & Propulsion

Item	Detail
Main Engines	2 x Caterpillar 3608, 3,634 bhp @ 1,000 rpm each
Gearboxes	2 x Reinjets LAF 4555 gearboxes, ration 5.773:1
Main Generators	3 x 500 kW / 380 V / 50 Hz Caterpillar 3412C
Propellers	2 x 3,250 mm dia. 4-bladed CPP (Cu-Ni-Al) in Kort nozzles
Bow/Stern Thruster	Brunvoll FU-45-LTC-1375, 380 kW, 6.2 t thrust
Steering Gear	Electro-hydraulic, 9 t torque
Fuel-oil Purifier	Mitsubishi SJ-10G self-cleaning

Deck & Anchor Handling Equipment

Item	Detail
Tow / A-H Winch	Brattvaag SL150W-2T double-drum waterfall - 150 t @ 0-13 m min ⁻¹ ; 74 t @ 0-21 m min ⁻¹ ; 30 t @ 0-29 m min ⁻¹
Brake Holding	300 t
Drum Capacity	1,200 m x 67 mm wire
Tugger Winches	2 x Brattvaag, 20 t line pull at 0-14 m/min
Shark Jaws	2 x Karmfork 1 x Triplex H-350-N 1 x Triplex S-200
Towing Pins	1 x Triplex S-200
Stern Roller	4.7 m length x 1.97 m diameter, SWL 300 t
Deck Crane	North Pacific MCT2-2568, 2.6 t at 20.7 m outreach

Mooring Equipment

Item	Detail
Anchors	2 x 2,100 kg stockless
Anchor Chain	2 x 385 m x 36 mm U3 stud-link chain
Windlass	1 x Brattvaag hydraulic, 15 t at 0-23 m/min

Accommodation

Item	Detail
Total Berths	Fully air-conditioned; 22 berths

Miscellaneous

Item	Detail
FuelTrax	NCS FuelTrax GS150-2
Sewage Treatment	Taiko Kikai SBT-25 for 25 persons
Fendering	Flat-bar doubler plates 400 mm x 25 mm welded to shell

Performance

Item	Detail
Service Speed	14 kn
Endurance	8,000 nm @ 13 kn
Main engine fuel & lube-oil consumption:	
- 20,000 l MGO + 72 l lube / 24 h @ full power	
- 12,500 l MGO + 54 l lube / 24 h @ econ. 10 kn	
Generator consumption:	
- 700 l MGO + 28 l lube / 24 h	

Tank Capacities

Item	Detail
Fuel Oil (MGO)	449 m ³ / $\approx$ 449 t (90 %)
Potable Water	$\sim$ 100 m ³
Fresh-water Maker	12 m ³ day ⁻¹

Cargo Deck

Item	Detail
Clear Deck Area	180 m ²
Deck Dimensions	18 m x 10 m
Deck Strength	5 t m ²

Dynamic Positioning (DP) & Navigation Equipment

Item	Detail
Joystick Control	Kongsberg cJoy
Radar	2 x X-band Furuno FAR-2117
Gyro Compass	TKC TG-8000
Auto-pilot	Anschuetz NP-60
Other Nav Aids	GPS navigator, AIS, echo sounder, speed log, Navtex, anemometer, Simrad Cx44 plotter, etc.

Communications Equipment

Item	Detail
GMDSS console	Furuno RC-1800T-25 with HF/MF SSB FS-2570 (250 W) and dual Inmarsat-C FELCOM-15 with SSAS
VHF DSC	2 x Furuno FM-8800S (25 W)
Portable VHF	ICOM handhelds
EPIRB and SART	1 x EPIRB; radar transponders
CCTV	GALAZ-C, 4 cameras, 2 monitors

Fire-fighting & Rescue

Item	Detail
Fifi Pump	1 x 360 m ³ h ⁻¹ at 130 m head
Fifi Monitors	2 x 222 m ³ h ⁻¹ at 100 m head
Rescue Boat	1 x 6-man with outboard engine
Liferafts	2 x 25-person
Oil-dispersant System	2 x UOC 600 spray nozzles, duty 276 L min ⁻¹ at 4.14 bar
Fire-fighting and lifesaving compliance	SOLAS