



BRITOIL 81

8,160 BHP | 110 t BP | AHT

Class Notation: ABS Δ A1, (E), Δ AMS, Δ AH, Δ FiFi 1, Towing Vessel, DPS-1

Main Particulars	
Particular	Detail
Flag	Singapore
IMO	9538684
Call Sign	9V7115
Built	2010
Length Overall	56 m
Depth (Moulded)	7.5 m
Breadth (Moulded)	16 m
Design Draft	6.0 m
Gross Tonnage	2,049 t
Net Tonnage	614 t
Deadweight	1,746 t
Endurance	15,000 nautical miles at 13kn

Machinery & Propulsion	
Component	Specification
Main Engines	2 $\times$ MaK 6M32C diesel engines, 4,080 BHP each @ 600 rpm
Gearboxes	2 $\times$ Reintjes LAF 4555, ratio 3.96:1
Main Generators	3 $\times$ 800 kW, 380/3/50; Caterpillar 3508B diesel driven 1 $\times$ 450 kW, 380/3/50; Caterpillar C18 diesel driven 1 $\times$ 86 kW, 380/3/50; Caterpillar C4.4 diesel driven
Emergency Generator	2 $\times$ 4-bladed CPP in Kort nozzles, $\varnothing$ 3,600 mm; Cu-Ni-Al bronze
Propellers	1 $\times$ Brunvoll FU-63-LTC-1550, 750 kW, 10 t thrust
Bow Thruster	1 $\times$ Brunvoll FU-63-LTC-1550, 570 kW, 8 t thrust
Stern Thruster	Ulstein Tenfjord electro-hydraulic steering gear, 2 $\times$ SR662; 136 kNm each
Steering Gear	Mitsubishi self-cleaning fuel oil purifier SJ-10G
Fuel Oil Purifier	Mitsubishi self-cleaning lube oil purifier SJ-20G
Lube Oil Purifier	

Deck & Anchor Handling Equipment	
Equipment	Rating / Size
Towing / AH Winch	Brattvaag SL150W-2T double drum waterfall hydraulic winc
- Line Pull	150 t @ 0-13 m/min; 74 t @ 0-21 m/min; 30 t @ 0-29 m/min
- Wire Capacity	1,200 m $\times$ $\varnothing$ 67 mm
- Brake Holding	300 t
Wire Storage Reels	2 $\times$ Brattvaag, 8.8 t line pull @ 0-42.6 m/min; storage 1,200 m $\times$ $\varnothing$ 67 mm 1 $\times$ Brattvaag, 20 t line pull @ 0-27 m/min; storage 1,700 m $\times$ $\varnothing$ 67 mm
Tugger Winches	2 $\times$ Brattvaag, 10 t line pull @ 0-38.5 m/min
Shark Jaws	2 $\times$ Karmfork shark jaws; 1 $\times$ Triplex shark jaw, type H-350-N
Tow Pins	1 $\times$ Triplex guide pins, type S-200
Stern Roller	6.4 m $\times$ $\varnothing$ 2.4 m; 300 t SWL
Deck Crane	North Pacific Crane 2T3T25M; 2.5 t @ 25 m
Anchor	2 $\times$ 2,100 kg stockless anchors
Anchor Chain	2 $\times$ 412.5 m $\times$ $\varnothing$ 36 mm U3 steel stud-link chain
Anchor Windlass	1 $\times$ Brattvaag hydraulic, 15 t @ 0-23 m/min

Accommodation	
Item	Detail / Capacity
Total Berths	48
Air-conditioning	Fully air conditioned

Other Equipment	
Item	Detail
CCTV	GALAZ-C, 4 $\times$ camera, 2 $\times$ monitor
Fuel Trax System	NCS model FuelTrax GS150-2
Oil Dispersant System	2 sets spray nozzles, type UOC 600, 1 1/4" (M) $\times$ 1 1/4" (F), brass; duty 276 L @ 4.14 bar
Sewage Treatment Plant	Jowa BIO STP 4 for 50 men
Fendering	Flat bar doubler plates 400 mm $\times$ 25 mm cross section welded to side shell

Performance			
Mode	Speed	MGO Consumption	Lube Oil Consumption
Full Power	14 kn	22,000 L d ⁻¹	80 L d ⁻¹
Economic	10 kn	14,000 L d ⁻¹	60 L d ⁻¹
Generator Load	—	1,200 L d ⁻¹	24 L d ⁻¹

Consumption	
Tank / Consumption	Capacity / Rate
Fuel Oil (90%)	1,064 t
Fresh Water	296 t
Fresh-Water Maker	12 t d ⁻¹

Cargo Deck	
Parameter	Value
Main Deck Area	~282.9 m
Main Deck Dimensions	23.0 m $\times$ 12.3 m
Forecastle Deck Dimensions	3.0 m $\times$ 14.0 m
Main Deck Strength	7.5 t m ⁻²

DP System & Navigation Equipment	
Instrument	Detail
DP Class	DP1
DP System	Converteam DP1 equipment
References	1 $\times$ DGPS; 1 $\times$ CYSCAN laser reference system
Sensors	1 $\times$ Gill anemometer; 1 $\times$ TSS gyro; 1 $\times$ MRU
Control Station	1 $\times$ DP control station
UPS	1 $\times$ UPS
Joystick	Kongsberg cJoy
Radars	2 $\times$ X-band radar; Furuno FAR 2117
Gyro Compass	TKC TG8000
Autopilot	Anschuetz NP 60 for double rudders
GPS / Plotter	GPS navigator; Simrad Cx44 GPS chart plotter
Other Navigation Aids	Echo sounder, speed log, AIS, anemometer

Communications Equipment	
Instrument	Detail
GMDSS Area	A1-2-3 (RC-1800T-25 package)
GMDSS Radio Console	Furuno RC-1800T-25 radio package
MF / HF Radio	Furuno FS-2570 (250 W) HF/MF SSB radiotelephone
Inmarsat C Terminals	2 $\times$ Furuno FELCOM-15 (one with SSAS)
VHF Radios	2 $\times$ Furuno FM-8500 (25 W) VHF/DSC radiotelephones
Additional VHF	ICOM VHF radiotelephones; VHF walkie-talkies
NAVTEX	Navtex receiver
EPIRB / SART	EPIRB; radar transponders
Weather Fax	Weather facsimile
Satellite Communications	Mini-VSAT system; Iridium SC4000 satellite phone
Internal Communications	P.A./Talk Back; common battery powered telephone; automatic telephone system
TV System	Omni-direction TV system

Fire-Fighting & Rescue	
Equipment	Capacity / Rating
Fifi Class	Fifi 1
Fire Monitors	2 $\times$ fixed fire monitors, 1,200 m ³ h ⁻¹ @ 135 m head
Fire Monitor (Foam/Water)	1 $\times$ fixed foam/water monitor, 360 m ³ h ⁻¹ @ 160 m head
Fire Pumps	2 $\times$ 1,672 m ³ h ⁻¹
Foam Pump	1 $\times$ 10 m ³ h ⁻¹
Life Rafts	4 $\times$ 25-person life rafts
Rescue Boat	1 $\times$ 6-person rescue boat

Details given in good faith but not guaranteed. Owners reserve the right to amend specifications without notification.