



BRITOIL 41

11,000 BHP | 150 t BP | AHT

Class Notation: A1, Towing Vessel, AH, Fire Fighting Vessel Class 1, AMS

Main Particulars	
Particular	Detail
Flag	Singapore
IMO	9257230
Call Sign	9V5787
Built	2006
Length Overall	65 m
Depth (Moulded)	7.5 m
Breadth (Moulded)	17.8 m
Draft (design / max)	6.0 m / 6.3 m
Gross Tonnage	2,610 t
Net Tonnage	783 t
Deadweight	1,545 t
Speed (max)	15 kn
Endurance	35 days

Machinery & Propulsion	
Component	Specification
Main Engines	2 x Ulstein Bergen BRM-9, 5,500 BHP each @ 750 rpm
Gearboxes	Ratio 5.69:1
Propulsion	2 x Ulstein CPP type 1500 AGSC-KP25-950/4, 4-blade, ø4.2 m kort nozzles
Bow / Stern Thrusters	3 x Brunvoll CP (2 bow, 1 stern) FU-63-LTC-1550, 650 kW, 9.1 t thrust
Steering Gear	2 x Ulstein Tenfjord SR662, 136 kN m torque each
Generators	3 x 800 kW CAT 3508B, 415 V 50 Hz
Shaft Alternators	2 x 1,400 kW
Emergency Generator	1 x 300 kW CAT 3408 DITA, radiator-cooled
Lube-oil Purifiers	2 x Mitsubishi, 2,900 L h ⁻¹
Fuel-oil (MGO) Purifiers	2 x Mitsubishi, 2,900 L h ⁻¹

Deck & Anchor Handling Equipment	
Equipment	Rating
Tow / A-H Winch	BRATVAAG BSL 350 WX/2SL 350 WX triple-drum waterfall
Line pull (low gear)	350 t @ 0-9 m min ⁻¹ (1st layer)
Line pull (high gear)	130 t @ 0-24.5 m min ⁻¹
Brake holding	500 t (1st layer)
Wire capacity	2 x 2,000 m x ø83 mm + 1 x 5,390 m x ø83 mm
Tugger Winches	2 x BRATVAAG AKM 6318, 18 t @ 0-43 m min ⁻¹
Capstans	2 x BRATVAAG hydraulic, 15 t @ 0-22 m min ⁻¹
Wire Storage Reels	2 x hydraulic, 20 t @ 0-35 m min ⁻¹ , 200 m x ø83 mm
Shark Jaws / Guide Pins	Karmfork type 130554, 160 t BP rating, chain/wire ≤ ø102 mm, 500 t MBL
Stern Roller	8.05 m x ø2.4 m, 300 t SWL
Deck Crane	North American MCT2-2581: 9.0 t @ 12 m radius 2.65 t @ 24.5 m
Anchor	2 x 2,280 kg stockless bower
Anchor Windlass	BRATTVAG BFMG 63.048, 10 t pull @ 0-15 m min ⁻¹
Anchor Chain	2 x 440 m x ø48 mm U2 stud-link

Performance		
Mode	Consumption	Speed
Full power (max)	42,144 L MGO 100 L lube oil	15 kn
Economy @ 10 kn	31,608 L MGO 75 L lube oil	10 kn
Generator load (three gensets)	600 L MGO 15 L lube oil	—

* subject to actual weather and operating conditions

Tank Capacities	
Tank	Capacity
Fuel Oil (90%)	1,220 t
Potable Water	386 t
Fresh-water Maker	20 t d ⁻¹
Rig-chain Lockers	2 x 103 m ³ (4.8 m x 4.9 m x 4.4 m)

Cargo Deck	
Parameter	Value
Clear Deck Area	350 m ²
Deck Dimensions	25.0 m x 14.0 m
Deck Strength	5.5 t m ⁻²

Navigation & Communication	
Instrument	Detail
Gyro Compass	Tokimerc TG-6000
Auto-pilot	Furuno NAV Pilot-500
Radar	Furuno FR-2125, 6.5 ft scanner, 0.25-96 nmi range
SSB Radio	Furuno RC-1800-IT-25-250 & Furuno FS-2570-250 W
VHF Radio	2 x Furuno FM-8500-25 W
Weather Facsimile	Furuno Fax-207
SatCom / GMDSS	Inmarsat-C, Mini-M, EPIRB, SART, Navtex, handheld VHF, AIS
Other Instruments	DGPS, echo sounder, speed log, anemometer, fog horn, PA / talk-back, CCTV

Fire-Fighting & Rescue	
Equipment	Rating
FiFi Class	FiFi-1
Pumps	2 x 1,500 m ³ h ⁻¹ @ 14 bar
Water Monitors	2 x 1,200 m ³ h ⁻¹
Foam Monitor	1 x 200 m ³ h ⁻¹ , manual / remote, 360° rotation
Dispersant Booms	2 x 8 m
Liferafts	4 x 30-person
Rescue / Work-boat	1 x 6-person

Accommodation	
Item	Capacity
Crew Complement	16
Additional Passengers	12
Total Berths	28 (fully air-conditioned)
Sewage Treatment Plant	Taiko Kikai SBT-40 (40 persons)