



BRITOIL 81

8,160 BHP | 110 TBP | AHTS

Name of Vessel
BRITOIL 81

Registry / Year of Delivery
Singapore / 2009

Type
Ocean Going / Anchor Handling / Towing Tug

Classification
ABS + A1, (E), + AMS, + AH, + FiFi 1, Towing Vessel, DPS-1

Dimensions
56.0m x 16.0m x 7.5m

Draft
6.0m (Designed)

GRT / NRT / DWT
2049T / 614T / 1746T

Clear Deck Space
23.0m x 12.3m (Main Deck)
3.0m x 14.0m (Forecastle Deck)

Deck Strength
Main Deck- 7.5T/m2

Speed
14 knots

Bollard Pull
110T

Endurance
15,000 nautical miles at 13 knots

Accommodation
Fully air conditioned for 36 men

Lifesaving
To meet SOLAS requirement

Firefighting
FiFi 1

Fuel
1064 MT (90%)

Fresh Water
296 mt approx

Freshwater Maker
12 mt/day

Main Engines & Gearboxes
2 x MaK 6M32C diesel engines producing 4080 bhp each at 600 rpm c/w 2 x Reintjes LAF 4555 gearboxes, ratio 3.96:1

Main Generators
3 x 800kW, 380v/3/50Hz, Caterpillar Model 3508B diesel driven, and 1 x 450kW, 380v/3/50Hz, Caterpillar Model C18 diesel driven

Emergency Generator
1 x 86kW, 380v/3/50Hz, Caterpillar Model C4.4 diesel driven

Main Engine Consumption
22,000 litres MGO and 80 litres lube oil per 24 hours at full power.
14,000 litres MGO and 60 litres lube oil per 24 hours at economic cruising speed of 10 knots

Generator Consumption
1,200 litres MGO and 24 litres lube oil per 24 hours

Propulsion
2 x 3600mm diameter, 4-bladed CPP propeller Cu-Ni-Al bronze in kort nozzles

Steering Gear
Ulstein Tenford electro hydraulic steering gear, type : 2 x SR662 Torque : 136 knm each

Fuel Oil Purifier
Mitsubishi self cleaning fuel oil purifier SJ-10G

Lube Oil Purifier
Mitsubishi self cleaning lube oil purifier SJ-20G

Fire Monitors
2 fixed fire monitors of 1,200 m³/hr each at 135m head capacity.
2 x fire pumps of 1672 m³/hr each, 1 fixed foam/water fire monitors of 360 m³/hr at 160m head capacity.
1 x foam pump of 10 m³/hr

Bow Thruster / Stern Thruster
1 Bow thruster, 750kW, 10T thrust Model Brunvoll FU-63-LTC-1550,
1 Stern thruster, 570kW, 8T thrust Model Brunvoll FU-63-LTC-1550,

Crane
North Pacific Crane 2T3T25M MOD - 2.5T at 25m

Anchor Windlass
1 x Brattvaag Hydraulic, 15T at 0-23m/min

Anchor
2 x 2,100kg stockless anchors

Anchor Chain
2 x 412.5m x 36mm diameter U3 steel stud link chain

Towing/Anchor Winch
Brattvaag double drum waterfall type SL150W-2T hydraulic winch with remote controls in wheelhouse
150T pull at 0-13 m/min
74T pull at 0- 21m/min
30T pull at 0-29m/min
Wire Capacity:-
1200m x 67 mm diameter
Brake holding: 300T

Tugger winches
2 x Brattvaag, 10T line pull at 0-38.5 m/min

Shark jaws / Towing pins
1 x Triplex guide pins, type S-200
2 x Karmfork shark jaws
1 x Triplex shark jaw, type H-350-N

Wire Storage Reels
2 x Brattvaag, 8.8T line pull at 0-42.6 m/min, storage reels will contain 1200M x 67mm diameter
1 x Brattvaag, 20T line pull at 0-27 m/min, storage reels will contain 1700m x 67mm diameter

Stern Roller
Size: L-6.4M, Ø- 2.4M
S.W.L.: 300T

Fendering
Flat bar doubler plates of 400mm x 25mm cross section welded to side shell

Liferafts
4 x 25 men

Rescue Boat
1 x 6 men

Radar
2 x X-band Radar. Furuno FAR 2117

DP System
Converteam DP 1 equipment, c/w:
1x DP Control Station, 1x UPS, 1x DGPS, 1x CYSCAN Laser Reference System, 1x Gill Anemometer, 1x TSS Gyro, 1x MRU, etc.

GMDSS Radio Console
FURUNO model RC-1800T-25, A1-2-3 radio package.
Complete with:
-1x HF/MF SSB radiotelephone, FURUNO model FS-2570 (250W);
-2x INMARSAT C terminal (one with SSAS), FURUNO FELCOM-15

VHF
2 x VHF/DSC marine radio telephones. FURUNO FM-8500 (25W)

Gyro & Automatic Pilot
1 x Gyro, TKC TG8000;
1 x Autopilot, Anschuetz NP 60 for double rudders.

Other Navigation and Communication Equipment
EPIRB, Radar Transponders, Navtex Receiver, Weather Facsimile, GPS Navigator, Anemometer, Echo Sounder, Speed log, AIS, Simrad Cx44 GPS Chart Plotter, Omni-Direction TV System, P.A./Talk Back System, Common Battery Powered Telephone, Automatic Telephone System, Mini-Vsat. System, IRIDIUM SC4000 Satellite Phone, ICOM VHF Radio-telephones, VHF Walkie-Talkie.

CCTV
GALAZ-C, 4 x camera, 2 x monitor

Joystick
Kongsberg cJoy

Fuel Trax System
NCS model FuelTrax GS150-2

Oil Dispersant System
2 sets spray nozzles, type UOC 600, 1 ¼" (M) x 1 ¼" (F), brass, duty 276 liters at 4.14 bar

Sewage Treatment Plant
Jowa BIO STP 4 for 50 men