



# 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/m<sup>2</sup>

**Speed**  
14 knots

**Bollard Pull**  
110T

**Endurance**  
15,000 nautical miles at 13 knots

**Accommodation**  
Fully air conditioned for 48 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 m<sup>3</sup>/hr each at 135m head capacity.  
2 x fire pumps of 1672 m<sup>3</sup>/hr each,  
1 fixed foam/water fire monitors of 360 m<sup>3</sup>/hr at 160m head capacity.  
1 x foam pump of 10 m<sup>3</sup>/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 Radiotelephones, 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 ½" (M) x 1 ¼" (F), brass, duty 276 liters at 4.14 bar

**Sewage Treatment Plant**  
Jowa BIO STP 4 for 50 men