



BRITOIL 80 - 81

8,160 BHP | 110 TBP | AHTS

Name of Vessel

BRITOIL 80 / 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 48 men

Lifesaving

To meet SOLAS requirement

Firefighting

FiFi 1

Fuel

1180 mt approx

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

Anchors

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 ½" (M) x 1 ¼" (F), brass,
duty 276 liters at 4.14 bar

Sewage Treatment Plant

Jowa BIO STP 4 for 50 men