



BRITOIL 121

12,240 BHP | 155 TBP | AHT

Name of Vessel
BRITOIL 121

Registry / Year of Delivery
Singapore / 2011

Type
Ocean Going / Anchor Handling /
Towing Tug

Classification
ABS + A1, (E), + AMS, + AH, + FiFi 1,
Towing Vessel, DPS-2

Dimensions
59.0m x 16.0m x 7.5m

Draft
6.0m (Designed)

GRT / NRT / DWT
2375 / 712 / 1481

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
15 knots

Bollard Pull
155T

Endurance
11,700 nautical miles at 13 knots

Accommodation
Fully air conditioned for 48 men

Lifesaving
To meet SOLAS requirement

Firefighting
FiFi 1

Fuel
1080 mt approx

Fresh Water
270 mt approx

Freshwater Maker
12 mt/day

Main Engines & Gearboxes
2 x MaK 9M32C diesel engines
producing 6120 bhp each at
600 rpm c/w 2 x Reintjes LAF
7750 gearboxes, ratio 4.636 :1

Main Generators
2 x 1960kw shaft alternator,
380v/3/50Hz,
2 x 800kW, 380v/3/50Hz, Caterpillar
Model 3508B diesel driven,
2 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
33,000 litres MGO and 120 litres
lube oil per 24 hours at full power.
18,000 litres MGO and 80 litres lube
oil per 24 hours at economic cruising
speed of 10 knots

Generator Consumption
1,600 litres MGO and 24 litres lube
oil per 24 hours

Propulsion
2 x 4200mm diameter, 4-bladed
CPP propeller Cu-Ni-Al bronze in kort
nozzles

Steering Gear
Ulstein Tenford electro hydraulic
steering gear, type: 2 x SR722.
Torque: 164 knm each

Fuel Oil Purifiers
Mitsubishi self cleaning fuel oil
purifier SJ-20G

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

Fire Monitors
2 fixed fire monitors of 1,200 m³/hr
each at 123m head capacity.
2 x fire pump of 1717 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
2 Bow thrusters, Brunvoll 10T thrust
FU-63-LTC-1550, 750kW,
1 Stern thruster, Brunvoll 10T thrust
FU-63-LTC-1550, 750kW

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

Anchor Windlass
1 x Brattvaag Hydraulic,
14.6T at 0-23m/min,

Anchors
2 x 2,280kg stockless anchors

Anchor Chain
2 x 412.5m x 38mm diameter U3
steel stud link chain

Towing/Anchor Winch
Brattvaag double drum waterfall type
SL300W/BSL300 hydraulic winch with
remote controls in wheelhouse &
Brattvaag spooling device
300.8T pull at 0-12.8m/min
177.7T pull at 0-21.7m/min
119.2T pull at 0-32.4m/min
Wire Capacity:-
2000m x 76 mm diameter
Brake holding: 400T

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, 10T line pull at
0-33 m/min, storage reels will contain
1500m x 76mm diameter
1 x Brattvaag, 21T line pull at
0-32 m/min, storage reels will contain
1500m x 76mm diameter

Stern Roller
Size: 6.4M, Ø-2.4M
S.W.L.: 400T

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 Model FAR 2117

DP System
Converteam DP 2 equipment, c/w:
2xDP control stations, 2x UPS, 2x
DGPS, 1x CYSCAN Laser
Reference System, 3x Gill
Anemometer, 3x TSS Gyro, 2x 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 model FELCOM-15

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

Automatic Pilot
1 x Autopilot, Anschuetz NP 60 for
double rudders.

**Other Navigation and
Communication Equipment**
EPIRB, Radar Transponders, Navtex
Receiver, Weather Facsimile, GPS
Navigator, 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, ICOM VHF Radio-
telephones, VHF Walkie-Talkie, etc.

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