



# BRITOIL 70 - 71

7,268 BHP | 100 TBP | AHTS

## Name of Vessel

BRITOIL 70 / BRITOIL 71

## Registry / Year of Delivery

Singapore / Mid 2011

## Type

Ocean Going / Anchor Handling /  
Towing Tug

## Classification

ABS + A1, (E), + AMS + AH,  
Towing Vessel

## Dimensions

47.0m x 13.6m x 5.6m

## Draft

4.5m (Designed)

## GRT / NRT / DWT

1032 / 309 / ~585 (EST.)

## Clear Deck Space

18.0m x 10.0m (Main Deck)

## Deck Strength

Main Deck-5T/m2

## Speed

14 knots

## Bollard Pull

100T

## Endurance

8,000 nautical miles at 13 knots

## Accommodation

Fully air conditioned for 22 men

## Lifesaving

To meet SOLAS requirement

## Firefighting

To meet SOLAS requirement

## Fuel

450 mt approx

## Fresh Water

100 mt approx

## Freshwater Maker

12 mt/day

## Main Engines & Gearboxes

2 x Caterpillar 3608 diesel engines  
producing 3634 bhp each at 1000  
rpm c/w 2 x Reinjets LAF 4555  
gearboxes, ratio 5.773:1

## Main Generators

3 x 500kW, 380v/3/50Hz, Caterpillar  
Model 3412C diesel driven

## Emergency Generator

1 x 82kW, 380v/3/50Hz, Caterpillar  
Model C4.4 diesel driven

## Main Engine Consumption

20,000 litres MGO and 72 litres lube  
oil per 24 hours at full power.  
12,500 litres MGO and 54 litres lube  
oil per 24 hours at economic cruising  
speed of 10 knots

## Generator Consumption

700 litres MGO and 28 litres lube oil  
per 24 hours

## Propulsion

2 x 3250mm diameter, 4-bladed  
CPP propeller Cu-Ni-Al bronze in kort  
nozzles

## Steering Gear

Electro hydraulic, 9T torque

## Fuel Oil Purifier

Mitsubishi self cleaning fuel oil  
purifier SJ-10G

## Fire Monitors

2 fixed fire monitors of 222 m<sup>3</sup>/hr  
each at 100m head capacity.  
1 x fire pump of 360 m<sup>3</sup>/hr at 130M  
head capacity

## Bow Thruster / Stern Thruster

Brunvoll FU-45-LTC-1375, 380kW,  
6.2T thrust

## Crane

North Pacific Crane MCT2-2568  
MOD - 2.6T at 20.7m

## Anchor Windlass

1 x Sea Reef Hydraulic type  
SRC36/66-120, 15T at 0-21m/min

## Anchor

2 x 2,100kg stockless anchors

## Anchor Chain

2 x 385m x 36mm diameter U3 steel  
stud link chain

## Towing/Anchor Winch

Sea Reef double drum waterfall type  
SRA-2360 hydraulic winch with remote  
controls in wheelhouse  
165T pull at 0-13 m/min  
Maximum Deployment Speed:-  
150 m/min  
Wire Capacity:-  
1200m x 60 mm diameter  
Brake holding: 300T

## Tugger Winches

2 x Sea Reef type SRT20-500,  
11T line pull at 0-50 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 Sea Reef type SRS60-1200,  
12T line pull at 0-30 m/min, storage  
reels will contain 1200m x 60mm  
diameter

## Stern Roller

Size: L-4.7M,  $\phi$ -1.97M  
S.W.L: 300T

## Fendering

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

## Liferafts

2 x 25 men

## Rescue Boat

1 x 6 men

## Radar

2 x X-band Radar.  
Furuno Model FAR 2117

## 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-8800S (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, 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

Taiko Kikai SBT-25 for 25 men