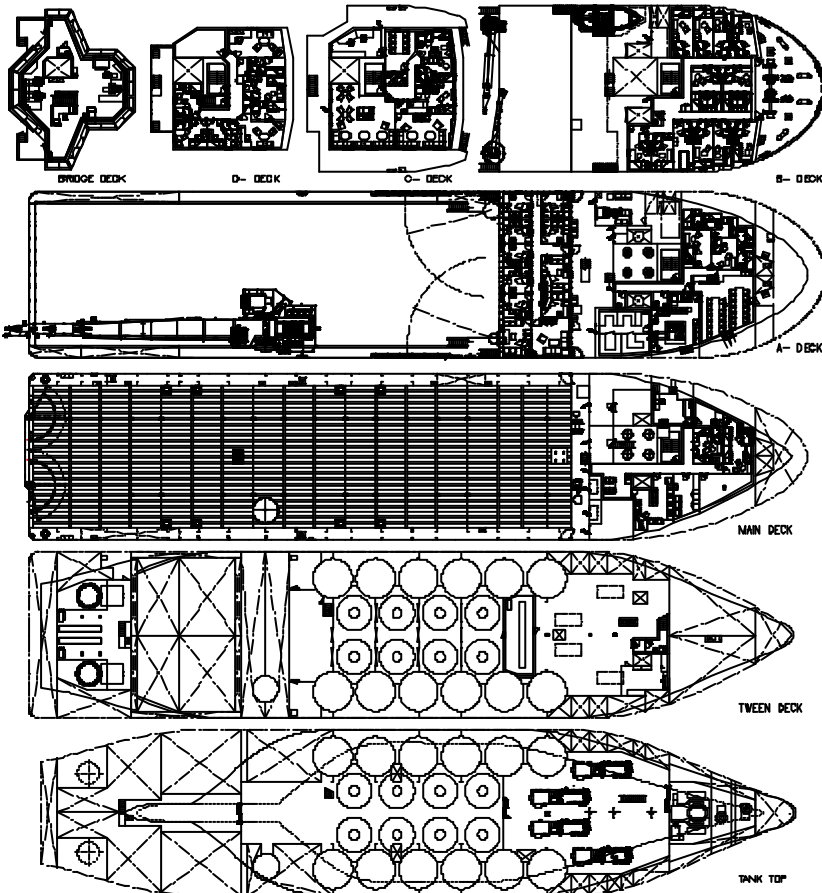




DP 2 maintenance supply vessel  
for deep water operations  
**BOURBON PERIDOT**  
4,900 t deadweight



This ULSTEINVERFT design is a P105 Diesel electric multifunctional subsea services and a large platform supply vessel.

It is designed for World Wide service, for the purpose of performing and fulfilling the following duties:

- Subsea Intervention services, ROV operations, deepwater precision lifting & installation
- Transportation of pipes, cement, equipment and liquid cargo to and from Pipelay Vessels, Drilling Platforms and ships.
- Arranged for oil recovery operations, Fi-Fi I class.

11-12-2006



# DP 2 maintenance supply vessel for deep water operations

## **BOURBON PERIDOT**

### 10,970 bhp

#### MAIN CHARACTERISTICS

Length overall: .....91.10 m.  
Length between p.p: .....80.30 m.  
Breadth: .....19.00 m.  
Depth main deck: .....8.00 m.  
Design draft/max draft: .....6.00 m/6.50 m.  
Free cargo deck area (53 x 16.20 m): .....860 m<sup>2</sup>  
Mezzanine deck area: .....156 m<sup>2</sup>  
Deck cargo : (10 t/m<sup>2</sup> and 23 t axle load).....3,000 t.

#### REGISTRATION

Type: .....DP2 MPSV, ULSTEINVERFT Design P105.  
Owner: .....Bourbon Offshore Norway.  
Delivery: .....2005.  
Builder:.....ULSTEINVERFT AS (Norway).  
Flag: .....Norwegian.  
Port of registry: Fosnavag  
Classification: ..DNV + 1A1, SF, Supply Vessel, EO, Fi-Fi I, DK (10), HL (2,8), DYNPOS AUTR, LFL\*, OILREC Clean, Comf. V(3),

#### PERFORMANCE-CONSUMPTION

Max speed : .....15 knots.  
Service speed : .....12 knots.

#### ACCOMMODATION

- Fully air-conditioned.
- Accommodation for 74 persons composed of:
  - 14 single cabins, 12 x 2 men cabins, 3 x (2+2) men cabins,
  - 3 x 4 men cabins, 1 x 6 men cabins, 1 x (2+2+2) men cabins.
  - 1 Messroom, 3 dayrooms, cool store/freezer, galley, laundry, hospital, offices, conference room, gymnasium, Stores, incinerator room, change room.

#### PROPULSION - MACHINERY

##### MACHINERY

- **Main engine set:** 4x Caterpillar, 1,825 kW at 1,800 rpm Type: 3516 TA (Total: 7,300 kW) 9,789 BHP.
- **Propulsion Aft:** 2x Rolls Royce Azipull thrusters, type: AZP 120.
- **Main generators:** 4x Siemens 2,028 kVA, 440 V/60 Hz each, type: 1 FJ 3564-4.
- **Emergency generator:** 1x Caterpillar C9, 200 kW, 3x 440 V/60 Hz.
- **Shore connection:** 3x 440 V, 350 A (50 m).

##### THRUSTERS

- **Azimuth thruster forward:** 1x Ulstein 880 kW.
- **Bow tunnel thruster:** 2 x Ulstein, 880 kW,

##### DECK EQUIPMENT

- **Tugger winch:** 1 Hydrakraft 15 t pull,  
1 Hydrakraft 20 t pull.
- **Windlass:** 1 Rauma Brattvag LBFMG6-304-4-C.
- **Stockless anchors:** 2x 3,060 kg.
- **Chain cables:** 495 m of 44 mm dia. NV K3.
- **Capstans:** 2 Hydrakraft 200252, capacity 10 t pull each.
- **Deck cranes:** 1x 100 t/70 t Offshore crane.
  - Double fall: 100 t/800 m (active heave compensated).
  - Single fall: 70 t/1,600 m (active heave compensated).
  - Working radius: 7 m/30 m: 40 t. SWL.
  - Working radius: 7 m/15 m: 100 t. SWL.
  - Hook height above deck: 34 m.
  - Auxiliary fast winch (active heave compensated): 10 t/2,000 m (100 m/min).
- - Work/Provision cranes: 1x 10 t/10 m + 1x 3 t/10 m.
- **Fire-fighting system, Fi-Fi I:**
  - 2 pumps 1,600 m<sup>3</sup>/h each, 2 monitors 1,200 m<sup>3</sup>/h each.

#### SPECIAL EQUIPMENT

- 1 MOB boat (Mare Safety GRP 700) with davit (Servi Technics HRT 3200).
- 4 Life rafts (Viking 25 DK) with equipment, 25 survival suits, 4 working suits, 29 Sea Master life jackets.
- 2 Radars (Jotron Tron Sart), 1 emergency beacon (Jotron 40 S, FB 4), 3 GMDSS VHF's (Jotron Tron TR 20).

#### CAPACITIES & PUMPS

Fuel oil: .....1,375 m<sup>3</sup>..Pumps 2x 250 m<sup>3</sup>/h at 9 bar.  
Drill water Ballast: ...580/1,520 m<sup>3</sup>..Pumps 2x 250 m<sup>3</sup>/h at 9 bar.  
Fresh water: .....1,009 m<sup>3</sup>..Pumps 2x250 m<sup>3</sup>/h at 9 bar.  
Liquid mud tanks: .....837 m<sup>3</sup>..Pumps 4x100 m<sup>3</sup>/h at 18 bar.  
Base oil: .....355 m<sup>3</sup>..Pump 150 m<sup>3</sup>/h at 9 bar.  
Brine: .....634 m<sup>3</sup>..Pumps 2x150 m<sup>3</sup>/h at 18 bar.  
Methanol: .....163 m<sup>3</sup>..Pumps 2x100 m<sup>3</sup>/h at 9 bar.  
Dry bulk (6x 48 m<sup>3</sup> tanks): .288 m<sup>3</sup>..Comp. 2x30 m<sup>3</sup>/mn at 6 bar.  
Slop: .....313 m<sup>3</sup>..Pump 150 m<sup>3</sup>/h at 18 bar.  
Oil recovery (min.): .....1,095 m<sup>3</sup>.  
Glycol (MEG, TEG): .....202 m<sup>3</sup>..Pumps 2x100 m<sup>3</sup>/h at 9 bar.  
Loading/Discharg station: 2 each side, 4"/5" Weco/ToDo conect.

#### NAVIGATION EQUIPMENT

- 1 radar S-band (Furuno FCR 2837 S), Arpa/AIS/Interswitch,
- 1 radar X-band (Furuno FAR 2827), Arpa/AIS/Interswitch,
- 1 radar slave, 17" monitor aft. w/control,
- 1 GPS (Furuno GP 90), GPS/WAAS/EGNOS, 12 channels,
- 2 Chart plotter (Furuno TECDIS/CONNING),
- 1 Autopilot (Anchut pilotstar D),
- 3 gyrocompasses (Anchut standard 22),
- 1 Navtex (SRH NAV 5),
- 1 Echo sounder (Furuno FE 700),
- 1 speed log (Furuno DS 80 Doppler log).
- 1 joystick (Kongsberg Simrad),
- 1 VDR (Furuno voyage data recorder VR 5010),
- 1 AIS (Furuno FA 100).

#### COMMUNICATION EQUIPMENT GMDSS A3

- 1 MF/HF (Skanti TRP 1250),
- 4 VHF (Skanti 1000 DSC),
- 3 UHF (Motorola GM 360) + 3 portable UHF (Motorola GP 900),
- 2 Mobile telephones (Nokia 22) interfaced to PABX,
- 1 Mobile telephone (Nokia 30) interfaced to Raydex,
- 2 Sat. C (Thrane & Thrane TT 3020C),
- 1 Fleet 77 (Thrane & Thrane TT 3038C),
- 1 Intercom system (Ulstein) com data/phone/TV.

#### DP 2 SYSTEM

- (Comply with DNV notation, DYNPOS AUTR).
- Kongsberg DPS 2 with 2 references (Kongsberg Sea Tex 20),
  - 1 Fanbeam Mk4, 1 MRU 2, 1 MRU 5, 2 wind sensors, 1 HiPaP 450,
  - DGPS receiver DPS 700, DPS 102.

(All particulars believed to be correct but not guaranteed).

### **Bourbon Offshore**

148, rue Sainte - 13007 Marseille - France

Phone +33 (0)4 91 13 08 00 - Fax +33 (0)4 91 13 08 61

[www.bourbon-online.com](http://www.bourbon-online.com) - E-mail: [bourbon-offshore@bourbon-online.com](mailto:bourbon-offshore@bourbon-online.com)