



# BOURBON CLEAR

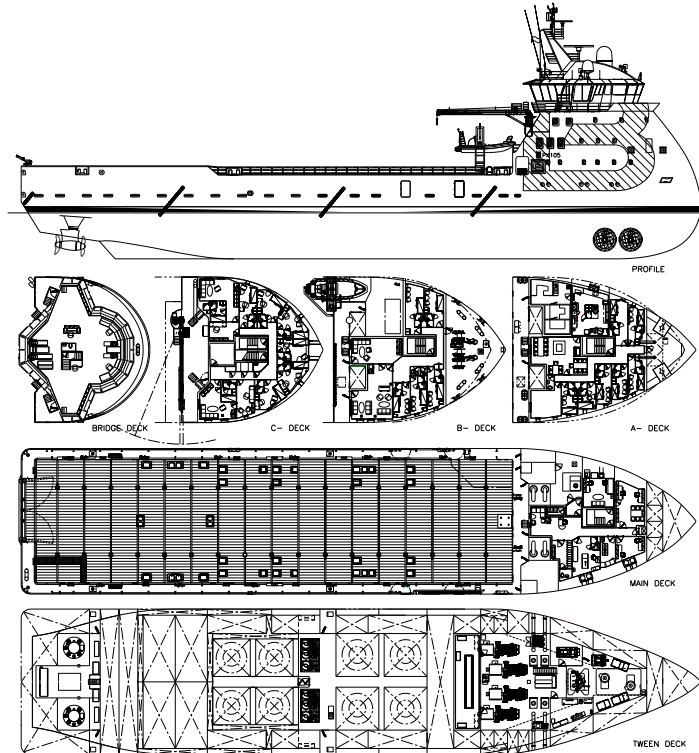
DP2 Diesel Electric Platform Support Vessel  
4,075 t deadweight



The BOURBON CLEAR is a large platform supply vessel designed to meet the future demands of the offshore industry. The hull with ULSTEIN X BOW combined with diesel-electric propulsion systems ensure outstanding performances with regards to fuel consumption, sea-keeping, station-keeping, speed and cargo capacity.

The cargo systems ensure safe and efficient loading and discharging of the vessel. The Multi Application Cargo Solution (MACS) and product tank configurations give a major increase and flexibility in cargo capacity versus conventional offshore vessel design solutions.

She is arranged for oil recovery operations and designed to minimize the environmental impact according to DNV "CLEAN DESIGN" class notation. The fully capable dynamic positioning class II gives her an exceptional maneuverability.



PLATFORM SUPPLY VESSEL

## REGISTRATION

Vessel Name: **BOURBON CLEAR**

Type: **PSV, Ulstein Design PX 105 MACS**

Year: **2011** — Flag: **NOR.**

Owner: **Bourbon Offshore Norway**

Builder: **Sinopacific Shipbuilding Group Co. Ltd (China)**

Class: **DNV + 1A1, SF, EO, DYNPOS-AUTR, CLEAN DESIGN, COMF-V(3), LFL\*, DK(+), HL(+), ICE C, BIS, OILREC, NAUT-OSV (A), Fire Fighter I**

Updated: 20-07-2015



# TECHNICAL SPECIFICATIONS

## PSV – BOURBON CLEAR.



### • MAIN PARTICULARS

#### **DIMENSIONS**

Length overall:.....88.80 m  
Breadth moulded:.....19.00 m  
Depth:.....8.00 m  
Max Draft:.....6.60 m  
Deadweight:.....4,075 mt  
Gross / Net tonnage: .....4,058 / 1,329

#### **CAPACITIES**

Free cargo deck area:.....(64 m x15,9 m ) 1,017 m<sup>2</sup>  
Deck load: (10 mt/m<sup>2</sup> - VCG 1 meter above main deck).....2,820 mt  
ORO:.....1,598 m<sup>3</sup>  
Fresh water cargo: (6 tanks).....544 m<sup>3</sup>  
Ballast/Drill water (WB tank).....4,491 m<sup>3</sup>

**MACS TANKS: (8 tks/ total: 925 m<sup>3</sup>).**

- 4 tks: (dry bulk/mud (LFL\*)/brine/FOC/GLY/base oil/ORO/slop/DW).....392 m<sup>3</sup>
- 4 tks: (mud/brine/FOC/GLY/base oil/ORO/slop/DW).....533 m<sup>3</sup>

**PRODUCT TANKS: ( 6 tks/ total: 538 m<sup>3</sup>).**

- 2 tks: (mud/brine/FOC/GLY/base oil/slop/ORO/DW).....184 m<sup>3</sup>
- 4 tks: (brine/FOC/GLY/base oil/Slop/ORO/DW).....354 m<sup>3</sup>

(The vessel can take a range of NLS products allowed for IMO Type 3 vessels, in total max: 800 m<sup>3</sup>).

**LOW FLASH POINT LIQUID TANKS (LFL\*): (6 tks/ total: 450 m<sup>3</sup>).**

- 6 tk: (meth/XYL/GLY/base oil/FOC/slop/ORO/DW/FW cargo in 2 tks).....450 m<sup>3</sup>

#### **DELIVERY RATES**

Fresh water pumps:.....2x 250 m<sup>3</sup>/h at 9 bar  
Ballast pumps:.....2x 250 m<sup>3</sup>/h at 9 bar  
MACS cargo: (x8) 30 m<sup>3</sup>/h, 75 m<sup>3</sup>/h at 18 bar, 100 m<sup>3</sup>/h at 8 bar  
Chemicals (LFL\*) pumps: .....6x 75 m<sup>3</sup>/h at 9 bar  
Product pumps:.....6x 75 m<sup>3</sup>/h at 9 bar  
Product tanks: x2 agitators for each of the two aft tanks.  
MACS tanks system: x1 agitator for each tank.

#### **ACCOMMODATIONS**

Accommodations for:.....25 pers.  
Single officer cabins:.....2  
Single cabins:.....13  
2 man cabins:.....5  
Mess room:.....1  
Day rooms:.....2  
Galley, dry provisions, cooler & freezer room, stores, laundry.  
Offices, conference room, hospital, gymnasium.  
Separate engine control / instrument rooms on main deck.  
Incinerator room.  
Fully air-conditioned.

### • MACHINERY / PERFORMANCE

#### **PROPULSION - MACHINERY**

Main Diesel generators engines: .....4 x 1,700 kW  
Main propulsion: Twin propeller azimuth thrusters .....2 x 2,500 kW  
Bow tunnel thrusters:.....2 x 1,200 kW  
Bow retractable azimuth thruster:.....1 x 850 kW  
Auxiliary generator:.....531 kVA, 3x 440V, 60 Hz  
Emergency generator:.....200 kVA, 3x 440V, 60 Hz

#### **SPEED / CONSUMPTION**

Maximum speed sea trial (100%): .....27.8 t/day @ 15.5 knots  
Max speed: .....21.3 t/day @ 14 knots  
Service speed: .....11.1 t/day @ 11.5 knots  
Economic speed: .....8.5 t/day @ 10 knots  
Consumption harbor: .....3.5 t/day

### • EQUIPMENT & ELECTRONICS

#### **DECK EQUIPMENT**

Tuggers:.....2x 15 mt pull  
One double hydraulic combined windlass / mooring winch.  
Deck cargo lashing winches: .....12x 10 mt securing winch (x6 each side)  
Three passive roll reduction tanks.  
One telescopic boom crane:.....2 mt @17 m

#### **SAFETY EQUIPMENT**

Fire Fighting (Fifi 1): ...1 pump 3,400 m<sup>3</sup>/h, 2 monitors 1,200 m<sup>3</sup> each  
Foam. Water spray protection.  
Alarm, monitoring and control system for periodically unattended machinery space.  
Life saving arrangement: life rafts, life jackets, life buoys, immersion suits  
1 fast rescue boat (for 10 pers) with davit.  
Medical package for 250 survivors.

#### **ELECTRONICS**

##### **- NAVIGATION**

2 radars with ARPA, 2 radars transponders, 2 GPS,  
3 gyrocompasses, 1 magnetic compass, 1 echo sounder,  
1 speed log, 1 autopilot, Navtex, VDR, AIS, SSAS,  
Search lights x3, night search system x3.

##### **- COMMUNICATION**

1 radio system compliant with GMDSS A3 rules.  
MF/HF radio, DSC receiver, VHF/UHF/Portable,  
Satcom C x2, Fleet 77, SevSat, Intercom system.

Loading computer: Autoload.

#### **DYNAMIC POSITIONING SYSTEM**

Type: KONGSBERG SDP 21.....Class DP2  
2 operating consoles, 4 references system, VRU/VMU x2.  
Sensors and monitoring as per class II requirements.

*All particulars believed to be correct but not guaranteed*

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