



BOURBON EXPLORER 500 Series

DP2 Diesel Electric Platform Support Vessel
7,105 barrels liquid mud
Special product transport capacity
Low emissions



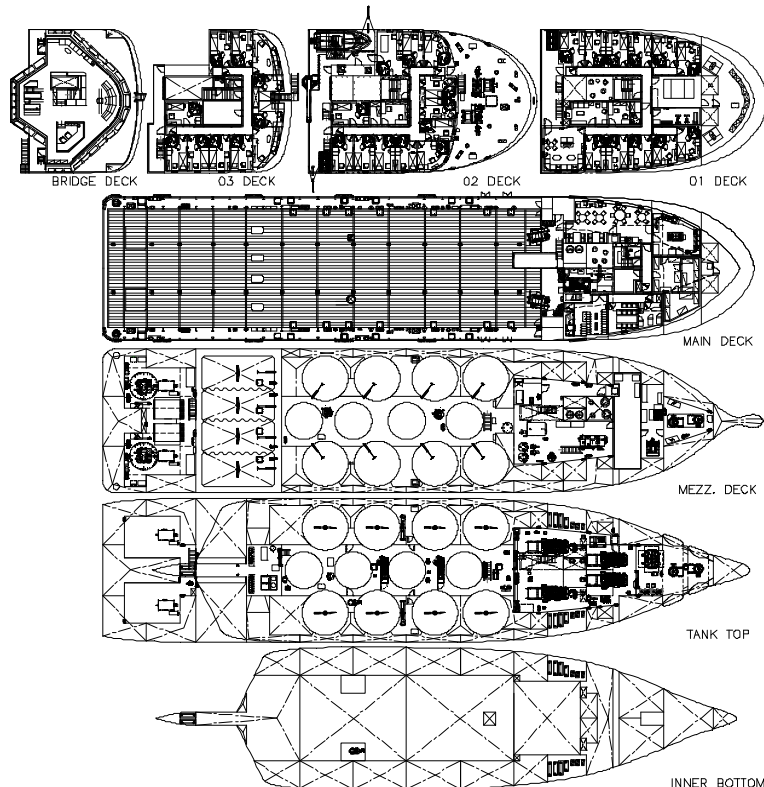
BOURBON EXPLORER 500 Series - PSV has been designed by Shanghai Design Associate. This extremely maneuverable vessel is equipped with Diesel Electric propulsion, four main engines configuration, 2 azimuth Z-drive at stern, two bow thrusters, and Dynamic Positioning Class II. It is capable of safe, reliable operations as well as precise station-keeping in DP mode.

The supply vessel is well adapted to support drilling activities and is able to carry the similar quantity of liquid products as larger vessels.

It is designed to meet requirement of well stimulation operations and is easily upgradable for ROV support and light subsea intervention work.

The vessel is equipped with special products tanks which can be used to transport safely, hazardous and noxious bulk liquids for the service and resupply of offshore installations.

It has accommodations for 50 persons with comfort class 3 standard.



PLATFORM SUPPLY VESSEL

REGISTRATION

Vessel Name: **BOURBON EXPLORER 500 Series.**

Type: **PSV.**

Year: **2014.** Flag: **Luxembourg**

Owner: **BOURBON.**

Builder: **SINOPACIFIC - China.**

Class: **BV I + HULL, + MACH, Unrestricted navigation, Supply Vessel, LHNS, WS, Oil product, Fire-fighting Ship 1, Water prying. + AUT-UMS, + DYNAPOS-AM/AT R, CLEANSHIP (7+), Protected FO tank, COMF-NOISE 3, COMF-VIB 3, Oil Recovery Ship, Special Service Standby Rescue Vessel (200 Survivors, Tropical Area).**



TECHNICAL SPECIFICATIONS

PSV - BOURBON EXPLORER 500 Series.



MAIN PARTICULARS

DIMENSIONS

Length overall:.....78.25 m
 Breadth moulded:.....17.20 m
 Depth:.....7.80 m
 Max Draft:.....6.30 m
 Deadweight:.....3,703 mt
 Gross / Net tonnage:3,147 / 1,126

CAPACITIES

Deck area: (5 mt/m2).....(51,00x14,20 m) 716 m2
 Max Deck cargo: @ 1.00m.....1,850 mt
 Fuel oil:1,110 m3
 Drill water / Ballast water.....1,500 m3
 Fresh water:.....640 m3
 Liquid mud: (8 tanks dedicated)total: 1,133 m3
 Dry Bulk/Cement: (4 tanks dedicated)total: 300 m3
 Special product: @100%.....368 m3
 Foam:.....18 m3

DELIVERY RATES

Fuel oil:.....2x 150 m3/h at 90 m
 Fresh water:.....150 m3/h at 90 m
 Drill water/ballast:.....200 m3/h at 90 m
 Bulk material: :.....2x 22 m3/min at 90 m
 Liquid mud:.....2x 100 m3/h at 160m + 1x 100 m3/h at 150m
 Special product:.....4 x 75 m3/h at 90 m
 Liquid mud tanks fitted with hydraulic agitators and fixed hot water washing system. Mud tanks with self cleaning system.

ACCOMMODATIONS

Accommodations for:.....50 pers.
 Single cabins:.....12
 2 man cabins:.....19
 1 sickbay cabin:.....1
 Mess room, 2 day rooms, meeting room, 2 offices, laundry, galley, stores, change room, gymnasium.
 Fully air-conditioned, compliant MLC 2006.

MACHINERY / PERFORMANCE

PROPULSION - MACHINERY

Main generators:4 x 1,360 kW / 440 V-60 Hz
 Main propulsion:2 x 2,000 kW Z-drive FPP, azimuth thrusters
 Bow thrusters:2x 1,000 kW controllable pitch thrusters
 Emergency / Harbour generator:1x 250 kW / 440 V-60 Hz

SPEED / CONSUMPTION

Maximum (100 % rpm):23.8 t/day @ 14.2 knots
 Service 1 (3 DG @ 80 %):18.8 t/day @ 13.3 knots
 Service 2 (2 DG @ 80 %):12.5 t/day @ 11.8 knots
 (Speed & consumption at 4.50 m design draft, clean hull, calm sea)

EQUIPMENT & ELECTRONICS

DECK EQUIPMENT

Windlasses: 8.6 mt each, 2 electric comb. Windlass/Mooring winches
 Chain 42 mm Grade 3.
 Tugger winches:.....2 electric winches, 10 mt pull each
 Capstan:2x 8 mt each
 Deck provisions crane:.....1x 2.5 mt @ 14 m

- OTHER EQUIPMENT

Fuel oil purifier:1x 1,950 l/h, self cleaning type
 Oily water separator:1x 1m3/h, IMO approved type
 Sewage treatment plant:1 IMO/MARPOL approved type
 Inert gas generator:1 x 27 Nm3/h
 Boiler:1x 800 kW

SAFETY EQUIPMENT

Fire Fighting (Fifi 1): ... 2 pumps 1,600 m3/h, 2 monitors 1,200 m3/h
 Water spray protection. Foam.
 Life saving arrangement, 6 liferafts with capacity 25 pers.
 1 Fast rescue boat with davit: 6 pers. (Cum-workboat 15 pers.).
 Stand-by rescue equipment for 200 survivors (tropical area)

DYNAMIC POSITIONING SYSTEM

Type: KONGSBERG K.MASTER.....Class DP2
 - 3 DGPS, 1 Radius, HIPAP ready.
 - Sensors and monitoring as per class II requirements.

ELECTRONICS

- NAVIGATION

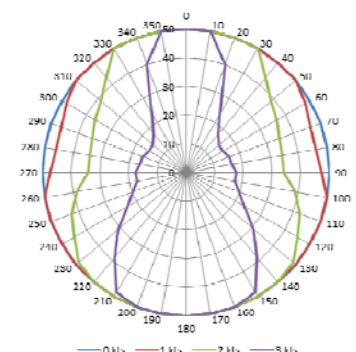
2 radars with ARPA, 2 radars transponders
 3 gyrocompasses, 1 echo sounder, 1 speed log, 1 autopilot

- COMMUNICATION

1 radio system compliant with GMDSS A3 rules
 Vsat, Fleet Broad Band 500, Inmarsat C
 E-mail/IP voice facilities

DP CAPABILITY PLOT

- Tremendous station keeping capability.
- Exceptional maneuverability.
- Safer operations alongside rigs and platform.
- Increased operational time in adverse conditions.



(All thrusters 100%).
 Max wind speed: 50 kts.
 Constant Current: 0.0 to 3.0 kts

All particulars believed to be correct but not guaranteed