



NAVIERA BOURBON TAMAULIPAS, S.A. DE C.V

Empresa certificada en:

ISO 9001:2008 / NMX-CC-9001-IMNC-2008

Roble 209, Col. Aguila, Tampico, Tam. MEXICO C.P. 89230 Tel: +52 833 217-00-60 Fax +52 833 213-87-70



BOURBON



SÁBALO
EXPLORER 500 CLASS-L
DP2 Diesel Electric Plataform Support Vessel
9,605 barrels liquid mud
Special product transport capacity-Oil Recovery
Low emissions



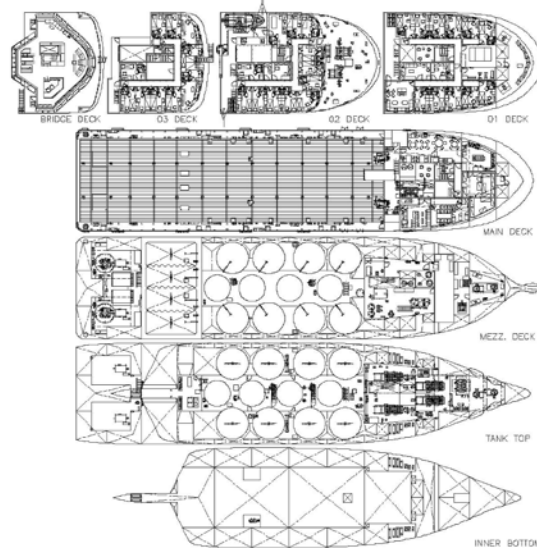
EXPLORER TYPE—PSV has been designed by Shangai Design Associate. This extremely maneuverable vessel is equipped with Diesel Electric propulsion, four main engines configuration, 2 azimuth Z-drive at stern, two bow thrusters, and Dynamic Positioning Class II. It is capable of safe, reliable operations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

This 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 sub-sea intervention work.

The vessel is able to transport mud with high pollution, flammable products and safety hazards in its special product tanks.

With oil recovery capacity suitable for Hydrocarbons with Flash Point < 60°C, equivalent to Oil Rec Type 1.



PLATAFORM SUPPLY VESSEL

REGISTRATION:

Vessel Name: **SÁBALO**

Type: **PSV- DEEPWATER**

Year: **2014** Flag: **Mexican**

Owner: **Naviera Bourbon Tamaulipas, SA de CV**

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



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SÁBALO
EXPLORER 500 CLASS-L
DP2 Diesel Electric Platform Support Vessel
9,605 barrels liquid mud
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Low emissions

MAIN PARTICULARS

DIMENSIONS

Length overall:.....	80.85 m
Breadth moulded:.....	17.20 m
Depth:	7.8 m
Max Draft:.....	6.3 m
Deadweight: (Approx):.....	3,650 mt
Gross / Net tonnage: (Approx):.....	3,147 / 1,126

CAPACITIES

Deck area: (5 mt/m2).....(52.5 x14.20 m)	8019ft2
Max Deck cargo: (Approx) @ 1.00m	1,750 mt
Cargo Fuel Oil	252,020 gal
Service Daily Fuel Oil(DT / OFT /Em.Gen):.....	67.95 m3
Drill Water/Ballast Water/Fresh Water	427,696 gal
Liquid mud: (8 tanks):.....	305,911 gal
Total liquid mud (Inc.SPT Tanks).....	402,598 gal
Dry Bulk/Cement: (4 tanks).....	10,241 ft3
Special Product @100 %	96,687 gal
Recovered Oil Capacity	327,838 gal
Foam:.....	4,755 gal

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:	2x22 m3/min at 60
Liquid mud:.....	2 x 100m3/h at 160 m + 1 x 100 m3/h at 150 m
Special Product :.....	4 x 75 m3/h at 90 m
Liquid mud tanks fitted with 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 MCL 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:	2 x 1,000 kW controllable pitch thrusters
Emergency / Harbour generator	1x 250 Kw / 440 V-60 H

SPEED / CONSUMPTION (Design draft)

Maximum speed (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

Windlass: 8.6 mt each, 2 electric comb. Windlass/Mooring
Chain 42 mm Grade 3
Tugger winch: 2 electric winches, 10 mt pull each
Capstan: 2 x 8 mt each
Deck provisions crane: 1 x 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: 1 x 800 kW

SAFETY EQUIPMENT

Fire Fighting (Fifi 1) - 2 pumps x1,600 m3/h, 2 monitors x1,200 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.MASTERClass DP2
- 3 DGPS, 1 CYSCAN, 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: 0-3.0 kts

