



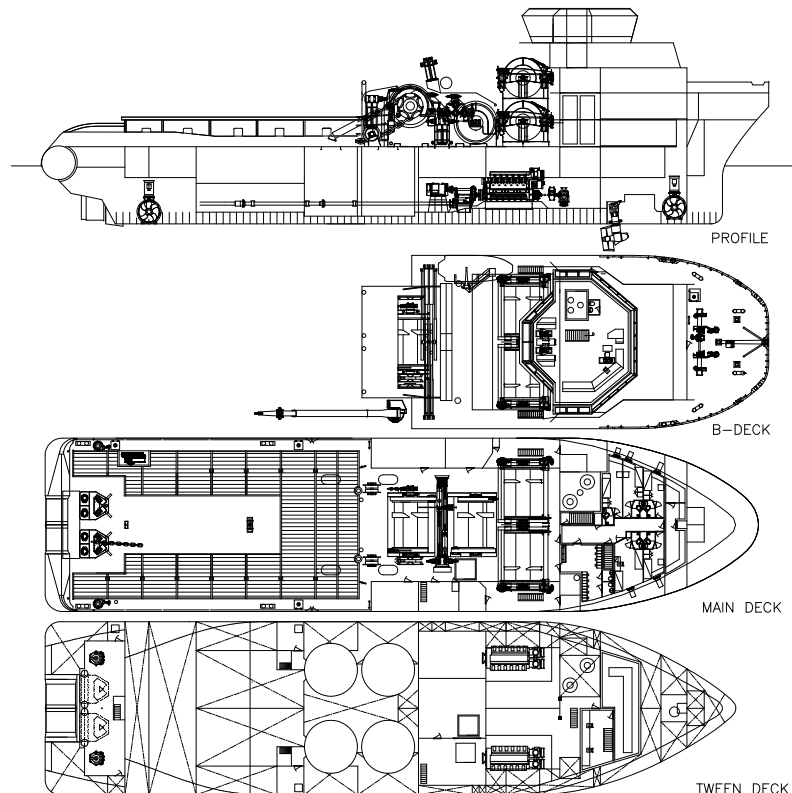
# YVAN BARRETTO

DP 1 Anchor handling tug supply vessel  
144.7 Metric ton bollard pull  
350 Metric ton line pull winch



This UT 722 Anchor handling tug supply vessel has been designed by Rolls Royce Marine.

The vessel is fitted with a class DP1 system and storage capacities for recovered oil. She is equipped for deep-water anchor-handling and towing with 6 working drums, consisting of 2 drums on the main winch and 4 drums on the secondary winch.



ANCHOR HANDLING TUG SUPPLY VESSEL

## REGISTRATION

Vessel Name: **YVAN BARRETTO**  
Type: **DP1, UT 722 - (Petrobras AHTS 10000 DMA).**  
Year: **2004 / Flag: Brazilian**  
Owner: **Bourbon Offshore Maritima**

Builder: **FELS SETAL (BRAZIL).**  
Class: **BV. Class 1, ☒ Hull, ☒ Mach, Supply Vessel Anchor Handling Tug-Oil product, Unrestricted navigation, ☒ AUT-CCS, ☒ MON-SHAFT, ☒ DYNAPOS-AM/AT.**

Updated: 10-12-2013



### MAIN PARTICULARS

#### DIMENSIONS

Length overall: .....	75.60 m
Breadth moulded: .....	18.00 m
Depth: .....	8.00 m
Draft: .....	6.60 m
Deadweight: .....	2,230 t
Bollard pull: (continuous).....	144.7 t
Gross tonnage: .....	3,360

#### CAPACITIES

Deck area: (5.0 t/m2).....	( 15.20 x 30.20 m ) 459 m2
Deck cargo: .....	800 t
Cargo chain lockers: (comprising 4 of circular lockers).....	560 m3
Fuel oil cargo: .....	830 m3
Fuel oil domestic: .....	137 m3
Oil recovery: .....	1,150 m3
Fresh water: .....	870 m3

#### DELIVERY RATES

Fuel oil: .....	250 m3/h at 9.3 bars
Ballast/ Drill water: .....	250 m3/h at 9.3 bars
Fresh water: .....	100 m3/h at 9 bars
Oil recovery : .....	250 m3/h at 9.3 bars

#### ACCOMMODATIONS

Accommodations for: .....	30 pers
Single cabins: .....	6
2 man cabins: .....	12
Hospital: .....	1
1 mess room, 2 day rooms, laundry, galley, provision room, stores, 2 offices, change room.	

### MACHINERY / PERFORMANCE

#### PROPULSION - MACHINERY

Main engines: .....	2 x 4,500 kW
Reduction: .....	2 gear boxes, 750/160 rpm, 2 PTO
Main propellers: .....	2 CCP type
Bow tunnel thruster: .....	1 x 883 KW
Bow azimuth thruster: .....	1 x 883 KW
Stern tunnel thruster: .....	1 x 883 KW
Rudders: .....	2 independent flap rudders
Shaft generators: .....	2 x 2,800 kVA
Auxiliary generators: .....	2 x 390 kVA
Emergency generator: .....	1x 106 kVA

#### PERFORMANCE

Trial speed at 4.25m draft (100% MCR): .....	15 knots
Economic speed: .....	10 to 13 knots

### EQUIPMENT & ELECTRONICS

#### DECK EQUIPMENT

Main winch: 1 waterfall type Brattvaag BSL 350W/SL 350W, low pressure hydraulic with 2 drums each specified as follows:

- Drums: 1.50 m diam. x 3.10 m length +1.10 m socket compartment
- Wire capacity: .....5,072 m of 3"
- Gypsies: .....2x 3" and 2x 3<sup>3/4</sup>"
- Dynamic braking on first layer: .....400 t SWL
- Hoisting on first layer: .....350 t at 0-10,5 m/min.  
64 t at 0-24 m/min.

Secondary winch: 1 Brattvaag ALM 63125U with 4 drums, each specified as follows:

- Drums: 1.50 m diam. x 3.50 m length + 1.10 m socket compartment
- Wire capacity: .....800 m of 8"
- Dynamic braking on first layer: .....155 t SWL
- Hoisting on first layer: .....125 t at 0-14 m/min.

Windlass: .....x1

Tugger winches: .....2x 15 t at 0-21m/min.

Capstans: .....2x 11 t at 0-17 m/min.

Twin stern rollers: .....3.50 diam. x (3.00+3.00 m) length 500 t SWL

Deck/chain handling support crane: .....3.3 t at 8 m

Deck-provision hydraulic crane: .....5 t at 16 m

Stabilizing equipment: .....Passive Roll Reduction System

#### SAFETY EQUIPMENT

Life boat: .....1 MOB boat with davit, life rafts with equipment

#### ELECTRONICS

##### NAVIGATION

2 radars,  
1 gyrocompass system with repeaters,  
1 echo sounder,  
1 speed log,  
1 autopilot,  
1 GPS,  
1 DGPS (to DP application),  
1 GLONASS (to DP application),

##### COMMUNICATION

1 radio system compliant with GMDSS A3 rules + VHF,  
1 Inmarsat C, 1 mini M, 1 Vsat,  
Telex over SSB,  
Globalstar communication system (data/e-mail/voice),  
1 weather fax.

##### DYNAMIC POSITIONING SYSTEM

1 DP system (class I) comprising the following position reference systems:

- 1 DGNSS (combined GLONASS and DGPS),
- 1 FANBEAM.

1 Joystick system with control panel and portable control panel.

##### ALARM & MONITORING SYSTEM

1 UMAS V system control: Main engines, propellers system,  
- bilge system, cooling system, fuel system.

*All particulars believed to be correct but not guaranteed*