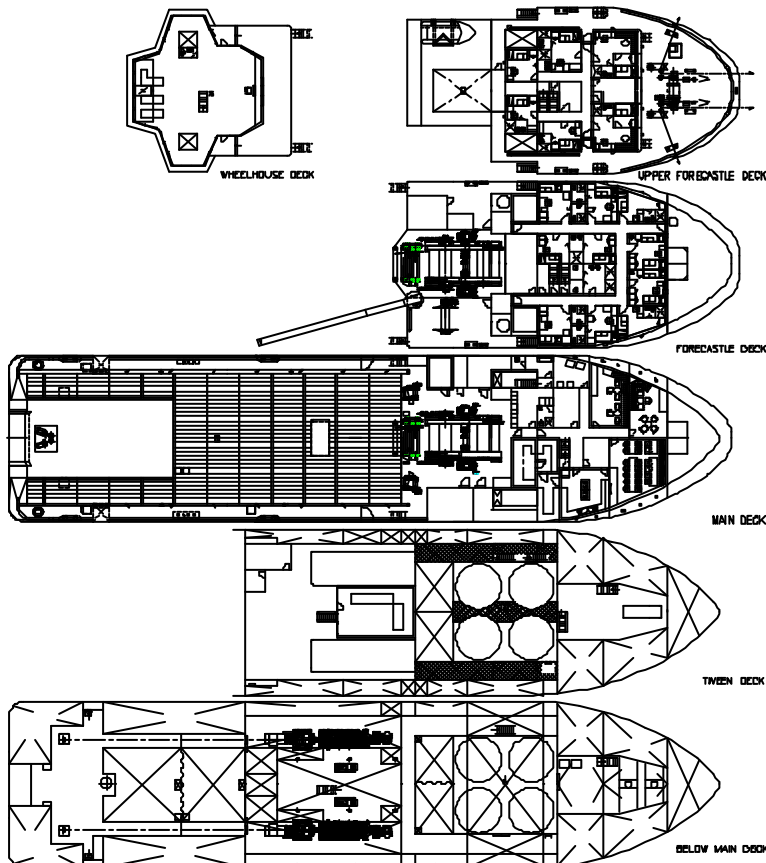




DP I anchor handling tug supply vessel

BOURBON APSARA

124.2 Metric ton bollard pull
250 Metric ton line pull winch



These medium size Anchor Handling Tug Supply Vessels were designed by CONAN WU to carry out general services for the offshore industry.

They were fitted with a class I DP system, Fi-Fi I system, and easy to upgrade for standby/service duties and DP class II. They are equipped with a waterfall double drum winch with large capacity suitable for towing, anchor handling and offshore terminal operations.

16-04-2006



DP I anchor handling tug supply vessel

BOURBON ALADIN & BOURBON APSARA

10,890 bhp

MAIN CHARACTERISTICS

Length overall:	67.00 m.
Breadth moulded:	15.40 m.
Depth main deck:	7.00 m.
Max draft:	5.95 m
Deadweight at max draft:	2,100 t.
Bollard pull:	124.2 t.
Gross tonnage:	2,310

REGISTRATION

Type:AHTS. DP1 supply vessel CONAN WU Design.
Owner:Bourbon Offshore.
Delivery:2005.
Builder:Keppel Singmarine - Singapore.
Flag:French.
Classification: BUREAU VERITAS. Class 1 + Hull, + Mach, Tug, Supply-Vessel, Unrestricted navigation, Fire Fighting Ship I, Water spray, + DYNAPOS AM/AT (Class 1), + AUT-UMS.
(Optional: Special Service/Stand-by Rescue Vessel).

PERFORMANCE

Consumption:38t - 40t /day at 14 knots.
25t - 28t /day at 12 knots.

ACCOMMODATION

- Fully air-conditioned.
- Accommodation for 30 persons composed of:
 - 6x single cabins, 8x 2 men cabins, 2x 4 men cabins.
- 1 office, 1 hospital, 2 mess rooms, 1 day rooms, laundry, galley, provision rooms, stores.

PROPULSION - MACHINERY

- **Main engines:** 2x 4,060 kW (total: 8,120 kW/10,890 hp).
- **Propellers:** 2 Type CP, dia: 3,400 mm in nozzles.
- **Rudders:** 2 High lift flap type.
- **Shaft generators:** 2x 1,600 kW at 1,800 rpm, 3x 450V 60 Hz.
- **Auxiliary generators:** 2x 350 kW at 1,800 rpm, 3x 450V 60 Hz.
- **Emergency generator:** 1x 60 kW at 1,800 rpm, 3x 450V 60 Hz.

THRUSTERS

- **Bow thrusters:** 2x 600 kW tunnel, electrically driven.
- **Stern thruster:** 1x 600 kW tunnel, electrically driven.

TOWING/ANCHOR HANDLING WINCH

- **Main winch:** 1 electro-hydraulic low pressure winch composed of 2 declutchable drums in waterfall arrangement each equipped with:
 - Drum size: Dia. 900/2,500 mm x 2,500 mm length.
 - Drum capacity: 2,000 m of 3" steel wire rope.
 - Brake holding load: 300 t on 1 st layer.
 - Rated Pull: 250 t on 1st layer at 0-7.3 m/min.
 - Spooling device for both drums.
 - 2 cable lifters.
- **Windlass:** 1 combined mooring and windlass winch.
- **Storage reel:** 1 electro-hydraulic unit with 1 drum.
 - Pull at 1st layer: 12 t at 0-12 m/min.
 - Drum capacity: 1,200 m of 3" dia. wire.
 - Drum size: 800/2,200 mm dia x 2,500 mm length.
- **Stern roller:** 1x 300 mt SWL,
Dia: 2,000 mm, Length: 4,000 mm.
- **Towing pins:** 1 pair of vertical/retractable type, 300 t SWL.
- **Shark jaws:** 2 of 300 t SWL.
- **Tuggers:** 2x 11 t at 18m/min, with 100 m of 3/4" dia. wire.
- **Capstans:** 2x 10 t at 14m/min..
- **Deck provisions crane:** 2 t/15 m.

CAPACITIES & PUMPS

Cargo deck area:420 m² (35 x 12.00 m) @ 5.0t/m²
Deck cargo :1,200 tons
DW/BW:500 m³ ..Pump 1x150m³/h at 9 bars.
Fuel oil:1,230 m³ ..Pump 1x 150 m³/h at 9 bars.
Bulk Cement: (4 tanks).....250 m³ ..Comp. 2x 1,800m³/h at 5,6 bars.
Fresh water:270 m³..Pump 1x 150 m³/h at 9 bars.
DW/Liquid mud:400 m³ ..Pump 1x 75 m³/h at 15 bars.
DW/Brine/Rig chain locker:200 m³..Pump 1x 75 m³/h at 15 bars.
Dispersant:15 m³.
Foam:24 m³.

ELECTRONICS

- **NAVIGATION**
 - 2 radars, 2 gyrocompasses, 1 magnetic compass, 1 digital echo-sounder, 1 speed log.
 - 1 autopilot system.
 - 1 GPS.
- **COMMUNICATION**
 - 1 radio system compliant with GMDSS A3 rules including:
 - 1 SSB duplex (DSC), 2 INMARSAT C, 2 VHF, EPIRB, SART, NAVTEX,
 - 1 Iridium system,
 - 1 INMARSAT F,
 - E-mail and on-board computer network system,
 - Automatic exchange telephone system with facilities in each room.

DYNAMIC POSITIONING SYSTEM (DP I)

Comply with class notation DYNAPOS AM/AT (class I).
- System allowing: Automatic tracking, dynamic positioning, automatic speed control.
- Reference system: 1 DGPS, 1 FANBEAM.
- Sensors: 2 gyrocompasses, 2 wind sensors, vertical reference unit, UPS.
• (The vessel is designed for easy upgrade to DP class II).

SPECIAL EQUIPMENT

- **Standby Rescue Equipment for 150 survivors:** (optional).
- **Life saving arrangement:** 1 MOB (Rescue boat) with davit,
 - Life rafts with equipment,
 - Lifebuoys, life Jackets.
- **FIFI I:** 2,400 m³/h, (Remote controlled from wheelhouse).
 - 1 water monitor 1,200 m³/h at 12 bar.
 - 1 water/foam monitor 1,200 m³/h at 12 bar, (Foam capacity 300 m³/h).
 - Pumps: 2x 1,500 m³/h at 14 bar each.
 - Deluge system.
- **Pushing rubber bow fender:** (BOURBON APSARA is equipped).

All particulars believed to be correct but not guaranteed.

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