



FOG 10

Dynamic Positioning II

Anchor Handling Tug

80 ton bollard pull

Supply Vessel

BUILT BY: PACIFIC OCEAN ENGINEERING & TRADING PTE LTD/ JINGJIANG NAN-YANG SHIPYARD ,CHINA (2014)

BUILT BY: PACIFIC OCEAN ENGINEERING & TRADING PTE LTD/JINGJIANG NANYANG SHIPYARD, CHINA

Year built - 2014
 Port of registry - LIBERIA
 Flag - LIBERIA
 Class - ABS
 IMO - 9742948

DIMENSIONS

Lenth overall	65 m
Length BP	59.83m
Beam Moulded	16.50m
Depth Moulded	6.80m
Draft Designed	5.00m
Max Draft	5.4m
Deadweight	2200MT
GRT	2568
NRT	770
Endurance	7200 miles
Autonomy	30 Days



TYPE

ABS+A1, Offshore Support Vessel (AH, Tow, Supply, OSR-C SPS) (E) + AMS, Fire Fighting Vessel Class 1, DPS-2, Safety Standby Service GR C (19) MLC 2006.

Cargo capacities

Cargo Rails	10" NB, Sch 80 Pipes longitudinally along the main deck Stanchions at 1800 mm apart.
Clear Deck Space	465 M2
Deck Load	7 Tons/M2
Deck Sheathing	75mm thick hardwood Sheathing fitted
Drill Water	530 M3
Potable Water	470 M3
Drill Water	530 M3
Fuel Oil	576 M3
Recovered Oil	465 M3
MEG/ORO	335 M3
Mud/ Brine/MEG/ORO	465 M3
Dry Bulk	220 M3 in 4 Tanks- Two Separate Systems for Loading and Discharge
Deck Cargo	650 MT
Foam Tank	21 M3
Dispersant Tank	21 M3
Shark Jaw and Towing Pins	One x Hydraulic SWL 225 tonnes
Retractable type.	
Stern Roller	Length 5 M x 1.5 M Dia
Tugger Winch	Two x 10 Tons each@15m/min
Shark Jaw and Towing Pins	One x Hydraul ic SWL 225
Tonnes	Retractable type.
Stern Roller	Length 5 M x 1.5 M Dia
Tugger Winch	Two x 10 Tons each@15m/ min

Propulsion system

Main Engines	2 x Nigata 6L28 AHX 2205Kw each (3000 HP Each Diesel Engines – Total 4410 Kw (6000 HP).
Bollard Pull	80 Tonnes at 100%MCR
Bow thruster	2 x Transverse Tunnel CPP Bow Thrusters each 12 Tonnes thrust driven by Electrical Motors - 800 KW each..
Propellers	Two x Azimuth Z Pellers with Kort Nozzle-2700 mm dia Driven by Main Engines.
Max Speed	13 Knots
Economical Speed	10 Knots
Consumption	Abt 186 g/KW-Hr.
Generators	4 x Caterpillar710 KW each Diesel Engine Driven Alternators 440 V/3/60 Hz 1 x 230 KW – 440 V/3/60 Hz.

Cargo Discharge Rates

Cargo Fuel Oil	1x Electric Driven Pump 100 M3/Hr @ 80 Mtrs Head
Fresh & Drill Water	2 x Electric Driven Pump, EACH – 100M3./Hr @ 80 Mtrs Head
Liquid Mud	1x Electric Driven Pump 100M3/Hr @ 80 Mtrs Head, Agitators Fitted
Brine	1 Pump 50M3/Hr @ 80Mtrs Head
Recovered Oil	1 Pump x35 M3/Hr @ 45 M Head
Dry Bulk	2 x 5.6 Bar Working Pressure - Screw Type
Handrails & stanchions	75 x 9.5FB x 1000 high
Connections	FO, BO, DW,FW, MUD/BRINE-4" DN 100 KAMLOCK
Dry Bulk	5"DN125 KAMLOCK

Accommodation

6 x 1 Berth Cabins	4 x 2 Berth Cabins
9 x 4 Berth Cabins	Total 50 Bunks
Flow Meters	Fitted for Fuel, Water and MEG
Reefer Plugs	2 x 440 V and 2 x 220 V Fitted
Ship's Office	Fitted with Table, Chair, Filing cabinets, power plug etc.
Changing Room	Laundry and Changing Room at main deck level.
Water Maker	One x Remorse Osmosis Type 15 MT/Day.
Mortuary/ Store	One with Shelves
Paint Store	With CO2 Gas flooding System, per SOLAS requirement.
Mess Rooms	Two- 33 persons in one seating.

AIR CONDITIONING- (Fully Air Conditioned)

Outside Temperature	45°C @ 95 RH
Inside Temperature	25°C @ 65RH
Chiller/ Freezer Room	One each – Walk-in Type 28 Cu Mtrs Each
Ship Office	With Desk, Filing Cabinets, Telephones/Fax/ email etc.
Hospital	1 x Treatment Table, 1x Hospital Type Bed, wash room etc.
Wheelhouse	Consoles fitted forward and aft end of the Wheelhouse With all Navigation, Communication and Control Eqt.

Fire fighting

FIFI CLASS 1

Monitors	Two x Remote Controlled Monitors 1200 M3/Each Pumps Two x Seawater Pumps 1600M3/ Hr @ 125 M Head
Water Spraying System	Fitted on all deck levels Foam System Fitted with 1 Set of Foa Mixer with Ratio 1-5%



Towing and anchor handling

Winch	1 x Double Drum Waterfall
Drum Capacity Rope	1200m x 60mm dia SWR Steel Wire Rope
Rated Pull	150 Tonnes@6m/min
Brake Holding	225 Tones (1st layer)

Life saving equipment

Life Rafts etc	4 x 25 Men, 8 x Life Buoys, 50 Life Jack ets, Pyrotechnics
Rope Ladders	2 x Embarkation Rope Ladders
Rescue Boat	Two x Fast Rescue Crafts with inboard diesel engines on either sides, Minimum 20 Knots speed- One 15 Persons and another 9 Persons Capacity
With Launching	Davits.
Rescue Basket	One
Rescue Zones	Marked on either side, 5 Mtrs long, fitted with removable stanchions, Scrambling nets etc.

Dynamic positioning System

- ◆ DPS 2 Notation System Fitted,
Independent Joystick System Fitted
- ◆ DP System Consists of the Following
- ◆ Duplex DP Workstation with two control and field cabinet
- ◆ VRU or MRU to DP2 Requirement
- ◆ Two x UPS
- ◆ One x Printer
- ◆ One x Laptop PC
- ◆ One Changeover Switch (DP/IJS/ Manual Control)
- ◆ The System shall have interface with DGPS, Gyrocompass,
Wind Tracker, VRU, UPS Printer etc.

Anchors 2 x AC 14 HHP Stockless

Anchors	Each of 1710 KG
Anchor Cables	Two Chain cables 467.5 M x 36mm Grade U3 Stud link Chain Cables at Port and Starboard Sides
Chain Stoppers	Two
Mooring Lines	4 x 170 M long mooring ropes 50 mm Dia

Anchor Windlass

Two x Electro Hydraulic Anchor Windlass Complete with one Hawser drum and one Warring Head, Capacity 10 Tonnes @ 9 m/min for Chain Cables and 6 Tonnes at 15m/min and at light loads 30 M/Min for mooring lines

Capstans	Two x 10 T each.
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Environment

Dispersant System	Spray Nozzle system, complete with proportionating metering value 0-10%
Spill Control	Heavy Duty Oil Spill Control Barrier of 200 m length stored on Forecastle deck, Oil skimmer capacity 8m3/hr.
Dispersant Booms	Two x 6 m each , Dispersant Pump – 25 m3/Hr @ 30 M head and Proportionating Meter 0-10%
Sewage Treatment	Fitted for 50 persons
Oily Water Separator	Fitted . Capacity 1 M3/ Hr with oil content less than 15 ppm



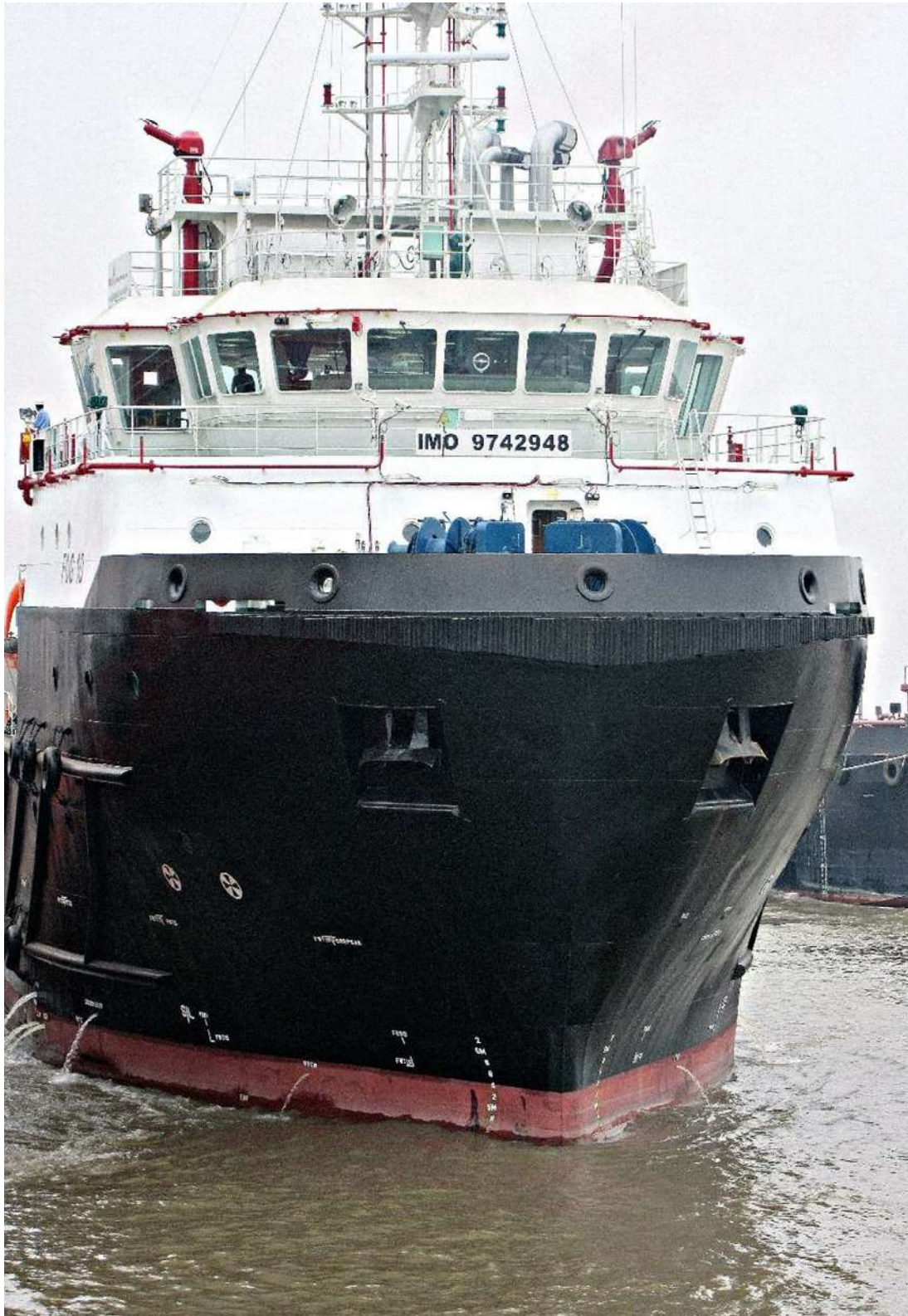
Navigation and communication equipment

Magnetic Compass	One x Reflector Type
Autopilot	1 x Simrad Robertson AP 9 MK 3
Gyro Compass	3 x Simrad RGC 80 with Forward and Aft Repeaters
Radar	Two x Furuno. One X band, One SB and with Day Light Display Colour, one of which Gyro stabilized and fitted with Automatic Electronic Plotting facility, Both ARPA
Echo Sounder	One x Furuno FE 700
Speed Log	One x Furuno Doppler Range 10 – 45 Knots
DGPS	One x Furuno GP 90 D + Two for DP System
AIS	One x Mc Murdoc Model M 2- Gyro and GPS interfaced.
Weather Fax	One x Furuno FAX 207
GMDSS	Fitted for Area 3
Doppler Speed Log	One @ Forward Console
Horn	One
Helicopter Communication Eqp-	One x Airband VHF Transceiver.
BNWAS	Fitted
Navtex Receiver	Fitted
SART	Two
EPIRB	One x EPIRB 406 MHz
Chart Table	Fitted
Electronic Chart Display System -	fitted for Chart display and information systems.
Watch Keeping Receiver	1 x MF/HF Radio 250 W, Voice DCS&NBDP 1x MF/HF DSC
VHF	1 x 220/1/60& 24 V DC with DSC and ITU Channels 2 remote
VHF Watch Receiver with DSC Decoder	One
VHF Hand held Transceivers waterproof –	Three x Two Way.
1 x Navtex Receiver	
1 x Inmarsat C SES Satellite System	EPIRB,
Integrated Telephone/Command System	1 Exchange, 36 Lines, 1 x Inmarsat Min V Sat.



Miscellaneous

Provision Crane	One x Electro Hydraulic Single arm crane 3 Tons SWL @14 m Radius.
Flood Lights	Six x 500 W, 2 Forward and 4 aft
Search Lights	Three x 2000 W, C/W under deck controls
Fenders	25 MM Thick x 20-24 " Side Fenders and 300 mm M Type Rubber Fenders at Bow and Stern & all around the Vessel
Rescue Zones	5 Mtrs @both sides of the Vessel, Clearly marked
Scrambling Nets	One each on both sides
Gas Detectors	Two x LEL,CO,O ₂ Stations on deck for Fixed Gas Detection System with 5 Monitors Audio and Visible.
BA Sets	15 min x 65 positive pressure.
Toilets	21 Enclosed Toilets with 21 showers and 22 wash basins.



MV FOG 10

DP II AHT

80 ton bollard
pull

Supply vessel



Contact Us

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