



Vessel Specifications

Year Built: 2013
 Shipyard: Caterpillar USA
 Next Dry Dock: 25.05.2029

PRINCIPAL PARTICULAR

Length overall: 40.60 m
 Length BP: 37.34 m
 Breadth Molded: 10.00 m
 Depth Molded: 3.70 m
 Design Draft: 3.10 m
 Freeboard: 0.60 m
 Height Keel to Mast head: 20.50 m
 Displacement: 864.39 Tons
 Deadweight: 357.10 Tons
 Gross Tonnage (GRT): 488 tons
 Net Tonnage (NRT): 146 tons

MACHINERY

Main Engines: 2 x Caterpillar C32 Acert
 1200 bhp @ 1800 rpm, Total: 2400 BHP
 Generators: 3 x Caterpillar C9, 200kW/415V/3P/50Hz
 Propellers: 2 x 4 FPP
 Bow Thruster: 1 x 2.5 Ton Tunnel Thruster
 (motor driven)

PERFORMANCE

Speed Cruising Maximum: 12.0 knots
 Speed Cruising Econ: 10.0 knots
 Endurance: 21 days

ACCOMMODATION

Crew Berths: 2 x 1 Berth Cabin = 2
 1 x 2 Berth Cabin = 2
 1 x 6 Berth Cabin = 6
 5 x 4 Berth Cabin = 20
 Total = 30 Berths
 Sick Bay: 1
 Smoking Cabin: 1
 Prayer Room: 1
 Mess Room: 12 men capacity

DECK EQUIPMENT

Anchor: 2 x 660 kg Stockless Anchor
 Wire Length & Size: 2 x 6 Shackles, 32 mm
 Tugger Winch: 2 x 10 Ton @ 15m/min,
 Elec-Hyd
 Deck Crane: 1 x 2 Ton SWL @ 6.5m reach

RESCUE EQUIPMENT

Scrambling nets: 2 x 2 m length x 5 m
 Rigid type Rescue: 1 x 6 men, 25 hp

TANK CAPACITIES

Cargo Deck Area: 100.00 m² (15.2m x 6.8m)
 Deck Strength: 5.0 MT/ m²
 Deck Cargo Capacity: 100 MT
 Fresh Water: 85.0 m³
 Fuel Oil: 230.0 m³
 Sea Water Ballast Tank: 80.0 m³
 Foam Tank: 2.7 m³
 Dispersant Tank: 6.1 m³
 Lub Oil Tank: 2.2 m³
 Hydraulic Oil Tank: 1.7 m³
 Bilge Holding Tank: 2.6 m³

CARGO SYSTEM

F.O Cargo Pump: 1 x 50m³/hr @ 50m Head
 F.W Cargo Pump: 1 x 50m³/hr @ 50m Head

NAVIGATION / COMMUNICATION EQUIPMENT

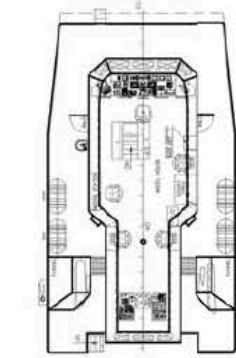
MF/HF Radio: 1 x JRC JSS-196GM
 VHF Radio: 2 x JRC NCM-1770
 GMDSS Walkie Talkie: 2 units
 Radar: 2 x JRC
 Echo Sounder: 1 x JRC JFE-380
 GPS: 1 x JRC JLR-7500
 AIS: 1 x JRC JHS-182
 Navtex: 1 x JRC NCR-333
 Satellite Compass: 1 x SAMYUNG
 Brige Watchkeeping Alarm: 1 x BNWAS HA
 PA Systems: 1 x Phonotech CIS3000
 Aldis Lamp c/w Battery: 1 unit
 Wind Speed Indicator: 1 unit
 Magnetic Compass: 1 unit
 Search Light (1000w): 2 unit

LIFE SAVING APPARATUS

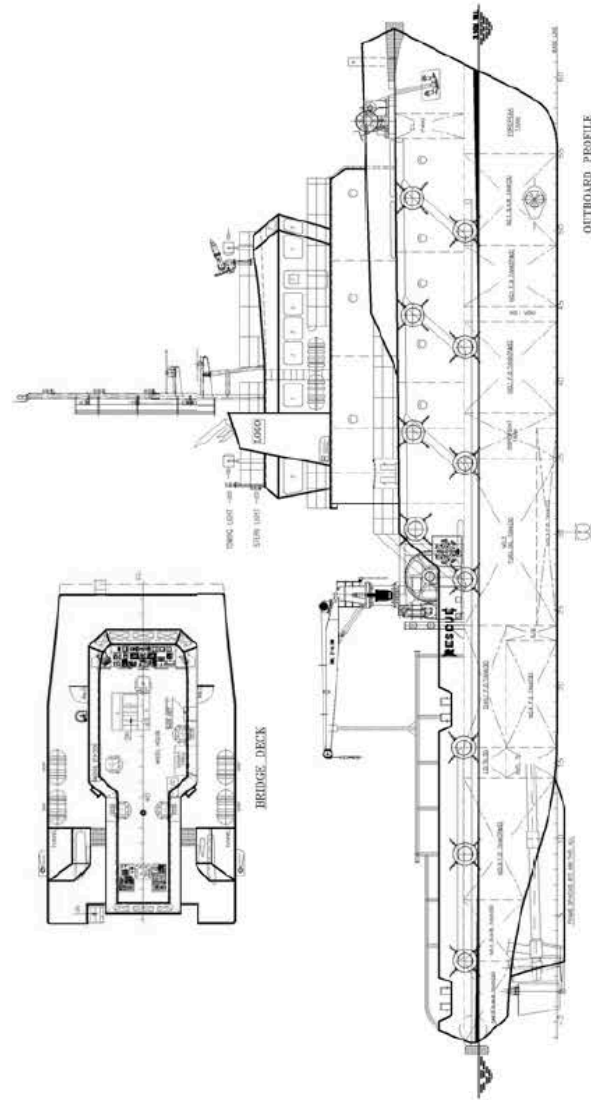
EPIRB: 1 unit
 Transponder (SART): 1unit
 Life Buoys: 4 ring buoy
 2 c/w self igniting light
 2 c/w man overboard signal
 Life Jackets: 78 pieces
 Life Rafts: 6 x 20 men
 Pyrotechnics: 6 pieces red flare
 12 parachute distress rockets
 Line throwing apparatus: 4 pcs
 First Aid Box: 2 pcs

FIRE FIGHTING APPARATUS

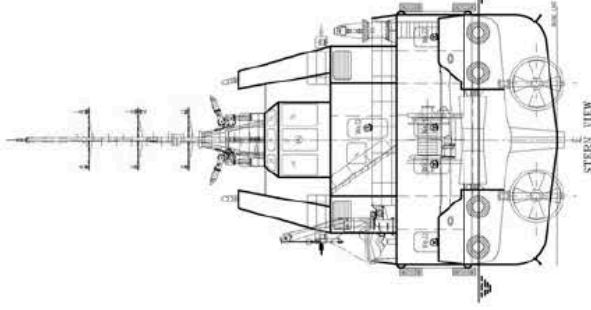
FiFi Fire Pump (PTO): 1 x 1200 m³/hr
 Fire Monitor: 2 x 600 m³/hr
 Fire GS Pump: 1 x 50 m³/hr
 Emergency Fire Pump (portable): 1 x 25 m³/hr
 Fixed Flooding System: CO2 system



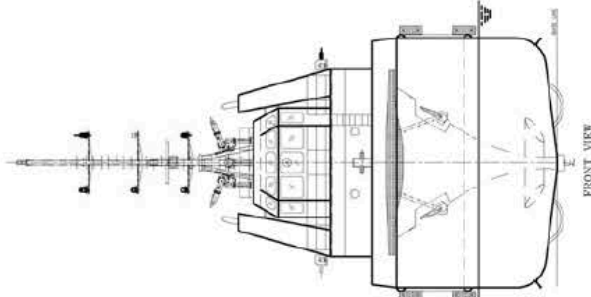
BRIDGE DECK



OUTBOARD PROFILE



STEER VIEW



FRONT VIEW



MAIN DECK

1 x 1 MAIN CABIN = 2 MEN
1 x 1 NEW CABIN = 4 MEN
0 MEN

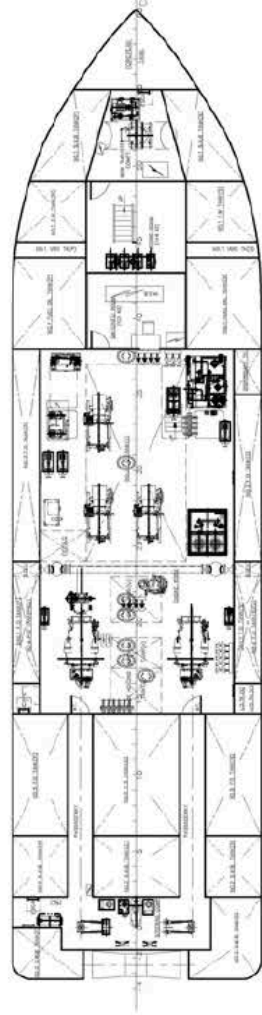


FORECASTLE DECK

2 x 1 MAIN CABIN = 2 MEN
4 x 2 NEW CABIN = 8 MEN
10 MEN

PRINCIPAL DIMENSIONS

- LENGTH OVERALL 46.81 M
- LENGTH BETWEEN PERPENDICULARS 38.80 M
- BREADTH 16.00 M
- DEPTH 3.70 M
- DESIGN DRIFT 2.10 M
- ACCOMMODATION 24 MEN
- SEATING CAPACITY 18 PAS
- FUEL OIL (JURR) 220 CU M
- FRESH WATER (APPR.) 60 CU M
- BALLAST WATER (APPR.) 95 CU M
- WOOD DECK AREA 100 SQ M
- DECK LOADING FROM FE.24-AFT) 37/M²
- TOTAL POWER 3x1000HP@800 RPM
- SPEED (TALS, APPROX) ~11.5 KNOTS
- BOLLARD PULL ~30 T



UNDER MAIN DECK

DATE	MODIFICATION	REV.	BY
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40M UTILITY VESSEL			
GENERAL ARRANGEMENT			
OWNER	CLASS	YARD NO.	08119/14
DESIGNED	CHECKED	VERIFIED	APPROVED
SCALE	1:100	DRAWING NO.	SH0.119-C1
TITLE			3

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