

2008 | 40 M | 1/2 FIFO | Utility Support Vessel



Vessel Specifications

Year Build: 2008
Shipyard : Caterpillar INC USA
Next dry Dock : 18.12.2027

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 (Summer)	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-Hydr
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 m ² (15.2m x 6.8m)
Deck Strength	5.00 MT/ m ²
Deck Cargo Capacity	100 MT
Fresh Water	94.0 m ³
Fuel Oil	230.0 m ³
Sea Water Ballast Tank	80.0 m ³
Foam Tank	2.7 m ³
Dispersant Tank	6.1 m ³
Lub Oil Tank	2.2 m ³
Hydraulic Oil Tank	1.7 m ³
Bilge Holding Tank	2.6 m ³

CARGO SYSTEM

F.O Cargo Pump	1 x 50m ³ /hr @ 50m Head
F.W Cargo Pump	1 x 50m ³ /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
Bridge 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

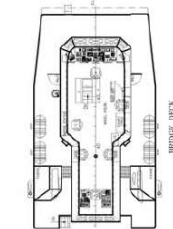
LIFE SAVING APPARATUS

EPIRB	1 unit
Transponder (SART)	1 unit
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

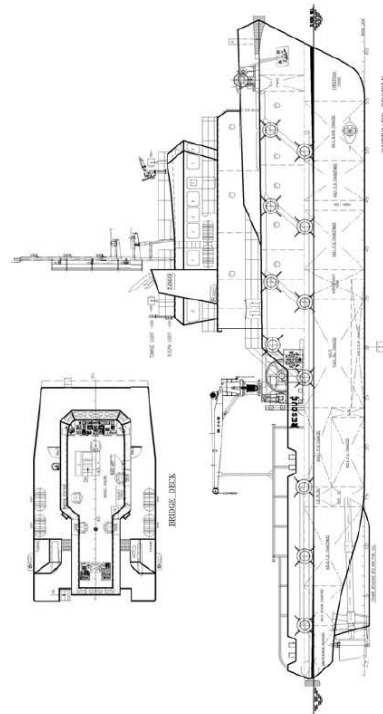
FIRE FIGHTING APPARATUS

1/2 Fire Pump (PTO)	1 x 1200 m ³ /hr
Fire Monitor	2 x 600 m ³ /hr
Fire GS Pump	1 x 50 m ³ /hr
Emergency Fire Pump (portable)	1 x 25 m ³ /hr
Fixed Flooding System	CO2 system

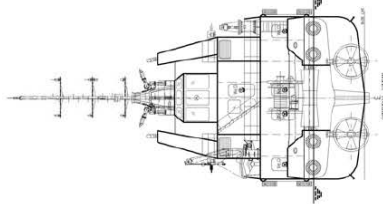
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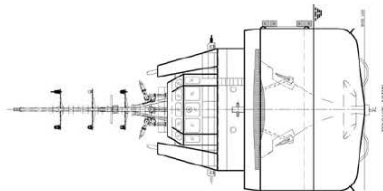
BRIDGE DECK



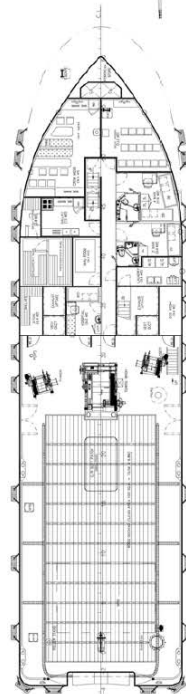
OUTBOARD PROFILE



STARBOARD VIEW

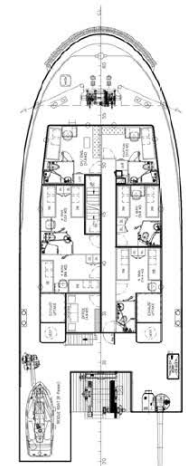


FORECASTLE VIEW



MAIN DECK

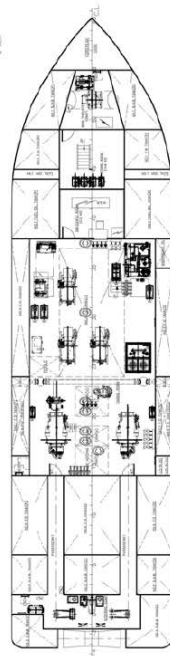
1 x 2 MAX CRANE - 2 MTN
1 x 4 GRT CRANE
18 GRT



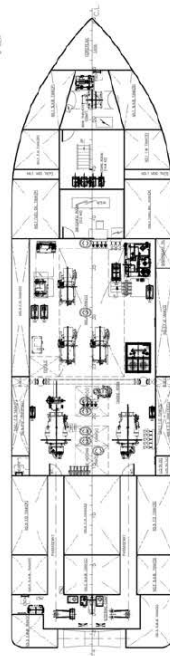
FORECASTLE DECK

2 x 1.5 MTN CRANE - 12 GRT
18 GRT

PRINCIPAL PARTICULARS
LENGTH OVERALL 120.00 M
LENGTH BETWEEN PERPENDICULARES 110.00 M
BREADTH MAXIMUM 27.00 M
DEPTH MOLDED 10.00 M
ACCOMMODATION 25 MEN
DECK AREA 18 PAU
NET TONNAGE 1800 TON
GROSS TONNAGE 2500 TON
REGISTERED TONNAGE 2500 TON
MAXIMUM SPEED 18 KNOTS
MAXIMUM RANGE 10000 NM
MAXIMUM FUEL 40000 L



UPPER DECK



LOWER DECK

NAME	GUANGZHOU SHUNHAI SHIPYARDS LTD
TYPE	40M UTILITY VESSEL
GENERAL ARRANGEMENT	
DESIGNED BY	1100 SHB119-01
DATE	11/14
SCALE	1:100
REVISION	

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