

Tug Boat
M/V "Shark - 20"

PRINCIPAL PARTICULARS

Length Overall (Moulded) : 39.00 mtrs.
Length W.L : 37.40 mtrs.
Length B.P : 34.00 mtrs.
Beam Moulded : 10.40 mtrs.
Depth Moulded : 5.00 mtrs.
Draft (Designed) : 3.50 mtrs.
Breadth Moulded : 10.40 mtrs.
Net Tonnage : 149
GRT : 499
Class : BV
Notation / Classification : Anchor Handling Tug Boat
Class + 13/3 (E)
Date and Place Built : 03 Aug 2001 , China

PERFORMANCE

Speed : 12.5 Knots at trail condition
Bollard Pull Ahead : 45 tonnes @ 100% MCR
Type of Fuel : MOD

PROPULSION SYSTEM

Main Engines : CAT 3516BTA X 2 Sets
2000 B.H.P@ 1800rpm
Caterpillar 3306TA X 2 Sets
Main Generators : Pwr Rated: 125kw, 415/3/50, 3 wire
Propulsion : 2 X Fixed Pitch Propellers
Bow Thruster : (1) CAT 3126 B / Sr. # 3GS0083

PUMPS

Fuel Oil Transfer Pump : One
Bilge & Ballast Pump : One
Oil Dispersant Pump : One
General Service & Fire Pump : One
Fresh Water Cargo Pump : One

DECK EQUIPMENT

Anchor (Stockless Bower) : 2 x 550 kg
Towing Winch : 1 x 45 Tonnes
Anchor windlass : 1 X 3 Tonnes pull at 10m/min
Capstans/ Tugger Winches : Two

Crane Details

1 No. Palfinger Marine Crane
Electro-hydraulic telescopic, Outreach
of 7.5M, Lifting capacity 3.0T
& 24m long boom

ACCOMMODATION

Berth : 14
All cabins are fully airconditioned

RADIO & NAVIGATION EQUIPMENT

Daylight Bright Radar : Furuno 1932 48nm range.
Color Video Sounder : Furuno FCV-668
Gyro- Compass : One Unit - RGC50
Magnetic Compass (Overhead) : Lilley & Gillie
DGPS : One - Furuno GP-36
Day Light Signal Lamp : Aldis
Intercom & Public Address system : Yes
Clear View Screen : One - 310mm Diameter
Wipers : 2
Echo Sounder (Color Video Sounder) : One Unit Furuno FCV-668
Radio Equipment (For GMDSS Area A2)
VHF Radio : 1 Set - Sailor RT- 2048 25W.
VHF radiotelephones Two-Way (GMDSS Portable) : 2 Sets - Jotron Tron
SSB Transceiver : 1 Set - Sailor RE2100 250W.
EPIRB : 1 Set Jotron Tron 40S

FIRE FIGHTING EQUIPMENT & LIFE SAVING EQUIPMENT

EXTERNAL

Centrifugal Fire Pump (Capacity 25,000 gal/hr) : 1
Fire Monitors : 1
Oil Dispersant System (Detergent tank 2 m³) : Yes
Emergency Fire Pump (Portable) : 1 - 25,000 gal /hr @ 300 ft head
Water Monitor (Single Barrel 25,000 gal/hr) : 1
General Alarm for Fire : Yes
Life Raft : 2 x 15 Men Capacity
Portable Fire Extinguishers : 10 Nos.
CO2 system in the engine room : Yes

CARGO CAPACITIES / TANK CAPACITIES

Fuel Oil : 250 Tonnes
Fresh Water : 60 Tonnes
Lube Oil : 1 Tonne

MISCELLANEOUS

Flood Lights : 4x 500WHP Sodium
Search Lights : 2 x 1000W HP Sodium
Engineer call alarm : Yes
Steering Compass : Yes
Oily Bilge Water Separator : One Unit
Bilge & Ballast System : Yes
Fuel Oil System : Yes
Hydraulic Systems : Yes
Sewage Treatment Plant : Yes
Oil Dispersant System : Yes
Electric Air Horn : One - Range 3N. Miles
Fixed Fog Horn : One

propeller details : (2) solid propellers, 4 bladed
stern roller : 2.0M Total Length & 1.0M dia