

MV ZAKHER HOPE



37 M 3150 BHP TOWING VESSEL (FIFI 1)

ACCOMMODATION

Total Accommodation	: 18 men incl. crew
Cabins	: Main Deck - 2x2p Below M/Deck - 2x6p Forecastle Deck - 2x1p

DECK MACHINERY

Windlass	: 1 x electro hydraulic anchor windlass of 4 tonnes @ 12 m/min double gypsies
Anchors	: 2 x Stockless anchors each 660 kg
Anchor Chain	: 357.5 m x 22 mm dia, Grade 2 Steel Stud Link chain.
Tugger Winch	: ME 5 THT UW, 5 tonnes @ 15 m/min
Capstan	: 2 x 5 tonnes
Crane	: 1 x electro hydraulic marine telescopic boom pedestal base deck crane, 1 tonne @ 15 m, 3 tonne @ 5 m, Make: Marine Equipment

GENERAL

Year of Build / Place	: 2006/ Malaysia
Official No.	: 10018
IMO No.	: 9398852
Flag	: St. Vincent & the Grenadines
Port of Registry	: Kingstown
Call Sign	: J8B3545
Classification	: ABS A1 Towing and Firefighting Vessel Class 1 AMS
GRT/NRT	: 433/130

DIMENSIONS

Length O.A.	: 37.00 m
Length B.P.	: 32.92 m
Beam Moulded	: 10.60 m
Depth Moulded	: 4.95 m
Summer Draft	: 4.00 m
Lightship	: 537.582 MT
Deadweight	: 280.98 MT
Displacement (max)	: 818.562 MT

MACHINERY

Main Engine	: 2 x CAT 3512 B
Horse Power	: 3150 BHP @ 1600 rpm
Propellers	: 2 x 4 bladed manganese bronze, FPP in kort nozzle
Generators	: 2 x CAT 3406, 245 kW @ 1500 rpm, 415/3/50 Hz.
Bow Thruster	: 1 x STT 170 LK Schottel 300 kW, 4 ton thrust

CAPACITIES & DISCHARGE RATES

Fuel Oil	: 340.90 m ³ / 20 m ³ /hr @ 30 m
Potable Water	: 74.40 m ³ / 10 m ³ /hr @ 30 m
Drill Water / Ballast	: 40.00 m ³
Foam	: 7.60 m ³
Freezer / Chiller	: 1 x 3 m ³ Freezer, 2 x 3m ³ Chiller

OTHERS

Sewage Treatment Plant	: 18 men capacity
Rescue Boat	: 6 persons capacity
Deck Space	: 105 m ²

PERFORMANCE

Speed	: 12.0 knots approx
Bollard Pull	: 48.5 tonnes max
Type of Fuel	: MGO

TOWING & ANCHOR HANDLING EQUIPMENT

Towing Winch	: 1 x hydraulic waterfall type - ME 75 TWF 75 tonnes line pull, 150 tonnes brake holding power
Stern Roller	: 3.5 m x 1.1 m
Towing Pins	: 2 x vertical hydraulic, 200 tonnes and extendable to 400 mm above main deck
Shark Jaws	: 2 x hydraulic SWL 200 tonnes

EXTERNAL FIRE-FIGHTING

Fire Pump	: 1 x 1200 m ³ /hr independently driven by Diesel Engine 580 kW @ 1800 rpm
Emergency Fire Pump	: 1 x 35 m ³ /hr @ 35 m
Fire Monitor	: 2 x 1200 m ³ /hr, electric remote

COMMUNICATION & NAVIGATION EQUIPMENT

GMDSS:	
VHF DSC 1	: JRC – JHS 32B
VHF DSC 2	: JRC- JHS 32B
MF/HF DSC	: JRC-JSB196GM
INM-C	: JRC-JUE 75C
GMDSS SURVIVAL RADIO	: 2 x ACR SR103
SART	: ACR PATHFINDER3 & SEVEN STAR S701
EPIRB	: SRC CEP-100
NAVTEX	: JRC NCR333
NAVIGATION:	
GPS	: JRC-NWZ 4570
AIS	: JRC-JHS 182
GYRO COMPASS 1	: GPS COMPASS JRC JLR-10
RADAR 1	: JRC-JMA 5310-6
RADAR 2	: ICOM MR1000 T2
ECHO SOUNDER	: JRC-JFE 582
SPEED LOG	: JRC JLN 205
AUTOPILOT	: NAVITRON NT888G
ECDIS	: TRANSAS NAVISAILOR 4000
SAFETY & SECURITY:	
SSAS	: SKYWAVE – DMR 800
LRIT	: SAILOR TT-3026M
FIRE ALARM SYSTEM	: MINERVA MARINE
BNWAS	: NAVGARD
ENTERTAINMENT:	
TVRO	: INTELLION i6