

MV ZAKHER FALCON



47M ANCHOR HANDLING TUG (1/2 FIFI)

GENERAL

Year of Build / Place	: 2009/China
Official No.	: 10643/N
IMO No.	: 9545895
Flag	: St. Vincent & the Grenadines
Port of Registry	: Kingstown
Call Sign	: J8B4170
Classification	: B.V. I + Hull * Mach (Tug) for Unrestricted Navigation
GRT/NRT	: 828/248

DIMENSIONS

Length O.A.	: 47.00 m
Length B.P.P	: 41.40 m
Beam Moulded	: 12.80 m
Depth Moulded	: 4.85 m
Draft (max)	: 4.2 m
Lightship	: 750 MT
Displacement (max)	: 1689.28 MT
Deadweight	: 939.28 MT

MACHINERY

Main Engine	: 2 x Mitsubishi S8U-MPTK
Horse Power	: 4000 BHP @ 1100 rpm
Propellers	: 2 x FPP with nozzle
Generators	: 3 x CAT 3406, 245 KW, 415/3/50 Hz.
Emergency Generator	: 1 x Cummins 49 kw, 415/3/50 Hz.
Bow Thruster	: 1 Schottel STT170LK, 5 tonnes thrust, 350 kW driven Caterpillar 3406 TA, 480 HP @ 2100 rpm.

CAPACITIES & DISCHARGE RATES

Clear Deck Area	: 180 m ²
Deck Strength	: 5 tons/m ²
Fuel Oil	: 575.00 m ³ / 70 m ³ /hr @ 50m
Potable Water	: 185.00 m ³ / 50 m ³ /hr @ 50 m
Drill Water/Ballast	: 135 m ³ / 50 m ³ /hr @ 50 m
Foam	: 9.60 m ³
Dispersant	: 9.60 m ³
Freezer / Chiller	: 2.68 m ³ x 2.55 m ³

OTHERS

Sewage Treatment Plant	: 26 men capacity
Rescue Boat	: Rigid Inflatable, 6 Persons

PERFORMANCE

Speed	: 12.0 knots
Type of Fuel Used	: Marine Gas Oil

ACCOMMODATION

Total Accommodation	: 26 men incl. crew
Cabins	: Main Deck - 1 x 2p, 4 x 4p Forecastle Deck - 4 x 1p, 2x 2p

DECK MACHINERY

Windlass	: 1 x electro hydraulic anchor windlass 4.0 tonnes at 12m/min
Anchor Chain	: 2 x stockless anchro, each 1020 kg 440 m x 28 mm Grade 2 steel stud link chain
Capstans	: 2 x 5 tonnes @ 15 m/min
Tugger Winch	: 2 x 5 tonnes @ 15 m/min
Crane	: 1 x electro hydraulic marine type telescopic pedestal mounted crane, 2 tonnes @ 10 m

TOWING & ANCHOR HANDLING EQUIPMENT

Bollard Pull	: 54.80 tonnes
AH/Towing Winch	: 1 Hydraulic Waterfall type DD, 150 tonnes line pull, 200 tonnes break holding power
Stern Roller	: 5.0 x 1.5 , (SWL 180 mt)
Shark Jaws	: 1 Hydraulic operated Anchor Handling fork (Hydraulically retractable shark jaws) SWL 200 tonnes
Towing Pins	: 2 Vertical Hydraulic, SWL-200 tonnes

EXTERNAL FIRE-FIGHTING

Fire Pump	: 1 x 1200 m ³ /hr driven by Caterpillar engine
Fire Monitor	: 2 x 600 m ³ /hr, electric joystick remote controlled from wheelhouse
Emergency Fire Pumps	: 1 x 25 m ³ /hr @ 30 m, Desmi S70-50-175/A09
Spray Booms	: 2 x 6 m marine grade alumium spray booms each 6 x 1/2"

COMMUNICATION & NAVIGATION EQUIPMENT

GMDSS:	
VHF DSC 1	: JRC – NCM 1770
VHF DSC 2	: JRC-NCM 1770
MF/HF DSC	: JRC-JSB196GM
INM-C	: JRC-JUE 85
GMDSS SURVIVAL RADIO	: ACR SR103 (3No.s)
SART	: ACR PATHFINDER3 (2No.s)
EPIRB	: GME 403FF
NAVTEX	: JRC NCR333

NAVIGATION:

GPS	: JRC-NWZ 4570 & FURUNO GP32
AIS	: JRC-JHS 182
GYRO COMPASS 1	: YOKOGAWA CMZ 700B
RADAR 1	: JRC-JMA 5312-6
RADAR 2	: JRC-JMA 2300
ECHO SOUNDER	: JRC-JFE 380
AUTOPILOT	: NAVITRON NT888G

SATELLITE COMMUNICATION:

FBB	: SAILOR FB 150
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SAFETY & SECURITY:

SSAS	: SKYWAVE – DMR 800
LRIT	: JRC-JUE 85
FIRE ALARM SYSTEM	: FUCHENG JBS
BNWAS	: NAVGARD

ENTERTAINMENT:

TVRO	: KNS
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