

# MV ZAKHER SPIRIT



50.00 M 5150 BHP ANCHOR HANDLING VESSEL  
(1/2 FIFI)

## GENERAL

Year of Build / Place	: 2010/ China
Official No.	: 10867/N
IMO No.	: 9549877
Flag	: St. Vincent & the Grenadines
Port of Registry	: Kingstown
Call Sign	: J8B4394
Classification	: B.V. I + Hull * Mach Supply Vessel Special Service - Anchor Handling
GRT/NRT	: Unrestricted Navigation 1092 / 327

## DIMENSIONS

Length O.A.	: 50.00 m
Length W.L.	: 47.36 m
Beam Moulded	: 13.20 m
Depth Moulded	: 5.20 m
Draft Designed	: 4.50 m
Lightship	: 1110.93 MT
Deadweight	: 816.06 MT
Displacement (max)	: 1926.99 MT

## MACHINERY

Main Engine	: 2 x CAT 3516
Horse Power	: 5150 BHP @ 1600 rpm
Propellers	: 2 x FPP, 4 bladed
Generators	: 3 x CAT 3406 C 260 kW, 415/3/50 Hz.
Emergency Generator	: 1 x Cummins 50 kW 415/3/50 Hz.
Bow Thruster	: 1 x fixed pitch, Schottel 6T thrust, 448 kW, mechanically driven by Cummins

## CAPACITIES & DISCHARGE RATES

Deck Strength	: 7T/m2
Clear Deck Space	: 265 m2
Fuel Oil	: 532.00 m3 / 70 m3 / hr @ 70 m
Potable Water	: 214.90 m3 / 100 m3/hr @ 60 m
Foam	: 14.30 m3
Freezer / Chiller	: 12.00 m3 each
Ballast Water	: 92.60 m3

## OTHERS

Sewage Treatment Plant	: 38 men capacity
Rescue Boat	: 1 rigid inflatable type, 6 persons

## PERFORMANCE

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

## ACCOMMODATION

Total Accommodation	: 38 men including crew
Cabins	: Main Deck - 2x4p Forecastle Deck -4x1p, 1x4p Raised Deck - 1x2p, 5x4p

## DECK MACHINERY

Anchor Windlass	: 1 x electro-hydraulic 5T @ 12m/min
Anchor Chain	: 2 x bow anchor, each 1080 kg
Anchor Chain	: 2 x 330 m x 36 mm Grade 2 steel stud link chain
Capstans	: 2 x 5T @ 15m/min
Tugger Winch	: 2 x 10T @ 15 m/min
Provisional Crane	: Telescopic SWL 2T @ 10 m

## TOWING & ANCHOR HANDLING EQUIPMENT

Bollard Pull	: 68.80T
AH/Towing Winch	: 1 x electro hydraulic, waterfall type Tow Drum : 150T break holding 220T AH Drum : 150T break holding 220T
Stern Roller	: 4.0 m x 1.6 m, 200T SWL
Shark Jaws	: 1 x SWL 200T
Towing Pins	: 2 x hydraulic 200T SWL

## EXTERNAL FIRE-FIGHTING

Fire Pump	: 1 x 1700 m3/hr seawater pump
Emergency Fire Pumps	: Desmi 80-70-200 25m3/hr @ 30 m
Fire Monitors	: 2 x 600 m3/hr
Spray Booms	: 1x 4 m3/hr @ 40 MLC

## COMMUNICATION & NAVIGATION EQUIPMENT

<b>GMDSS:</b>	
VHF DSC 1	: FURUNO FM-8800S
VHF DSC 2	: FURUNO FM-8800S
MF/HF DSC	: FURUNO FS-2570
INM-C 1	: FURUNO FELCOM-15
GMDSS SURVIVAL RADIO	: 3 X SAMYUNG STV-160
SART	: 2 x SAMYUNG SAR-9
EPIRB	: SAMYUNG SEP-406
NAVTEX	: FURUNO NX-700B

<b>NAVIGATION :</b>	
GPS	: FURUNO GP-150
AIS	: FURUNO FA-150
GYRO COMPASS	: ANSCHUTZ STD22
RADAR 1	: JRC JMA5110-4
RADAR 2	: JRC JMA 2344
ECHO SOUNDER	: FURUNO FE-700
AUTOPILOT	: UNIKAS CD-50

<b>SATELLITE COMMUNICATION:</b>	
VSAT	: KNS A9
FBB	: THRANE&THRANE FB-150

<b>SAFETY &amp; SECURITY:</b>	
SSAS	: FURUNO FELCOM-15
LRIT	: FURUNO FELCOM-15
FIRE ALARM SYSTEM	: FUCHENG JBS
BNWAS	: NAVGARD

<b>ENTERTAINMENT:</b>	
TVRO	: INTELLION i6