

MV ZAKHER AMAZON



58.70 M ANCHOR HANDLING TUG SUPPLY VESSEL DP1
FIFI 1

GENERAL

Year of Build / Place	: 2009 / China
Official No.	: 11230
IMO No.	: 958229
Call Sign	: J8B4757
Flag	: St. Vincent & the Grenadines
Port of Registry	: Kingstown
Class / Notation	: ABS +A1, Towing Vessel, FiFi Vessel Class 1, Offshore Support Vessel AH, E, + AMS + DPS-1
GRT/NRT	: 1458 / 437

DIMENSIONS

Length O.A.	: 58.70m
Length B.P.	: 53.2m
Breadth moulded	: 14.60m
Depth moulded	: 5.50m
Draft (max) moulded	: 4.762m
Lightship	: 1454.66 MT
Deadweight	: 1351 MT
Displacement (max)	: 2805 MT

MACHINERY

Main Engines	: 2 x 1,800 kW (4828 bhp Total) @ 1000 rpm Wartsila 9L20
Main Generators	: 3 x Volvo D16 MG HE @ 1500 rpm driving Stamford alternator HCM534F-12 rated at 428 kW/415V/3P/50Hz
Emergency Generator	: 1 x Volvo Penta D7A-1, 99 kW @ 1500 rpm
Bow Thruster	: 2 x 371 kW electronic-driven Kamone TCB-70DSMA tunnel type (CPP); 6T Thrust
Steering Gear	: 2 x 4.5 tm/35 deg rudder angle; Kobelt
Propulsion	: 2 x CPP type with Kort Nozzle; Lips (Wartsila)
Rudders	: 2 x high performance streamline type

CAPACITIES & DISCHARGE RATES

Deck Cargo	: 500 mt @ 7 tons / m2
Clear Deck Area	: 370 m2
Fuel Oil	: 482 m3, 150 m3/h @ 75m
Fresh Water	: 213 m3, 100 m3/h @ 75m
Ballast / Drill Water	: 463 m3, 100 m3/h @ 75m
Liquid Mud	: Total 259 m3, 70 m3/h @ 85m (2 tanks)
Cement Tank	: 187 m3 (4 x 1650 ft3)
Freezer / Chiller	: 10 m3 / 10m3
Foam / Detergent	: 13 m3 / 13 m3

PERFORMANCE

Maximum Speed	: 13.5 knots
Economical Speed	: 10 knots
Type of Fuel	: MGO
Fuel Consumption	: 19 m3/24h at max speed 12 m3/24h at economical speed
Bollard Pull	: 66.67 T

OTHERS

Sewage Treatment Plant	: 1 x 48 persons
Oily Water Separator	: 1 x 1 m3/hr, 15ppm
Fresh Water Maker	: 1 x 5 m3/day Reverse Osmosis
H2S Gas Detection	: Fixed System

ACCOMMODATION

Berths	: 2 x 1 berth cabins = 2 : 5 x 2 berth cabins = 10 : 9 x 4 berth cabins = 36 : Total = 48
Hospital	: 1 x 1 Cabin Birth = 1

DECK MACHINERY EQUIPMENT

Anchor Windlass	: 1 x electro-hydraulic HAW; Mentrade
Gypsies	: 40 mm (ø) chains rated pull 10 MT @ 9 m/min
Bow Anchors	: 2 x 1305 kg HHP Anchors
Anchor Chains	: 440 m(L) x 36 mm (dia) Grade U2 (each side)
Capstan	: 2 x 5 mt @ 15m/min electro hydraulic HVC; Mentrade head size 400 mm (dia)
Tugger Winch	: 2 x 10 mt @ 15m/min electro hydraulic HUW; Mentrade, Drum Capacity: 220 m (L) x 22 mm (dia) SWR
Towing / AH Winch	: 1 x electro-hydraulic double drum AHTW; Mentrade
Upper Drum Cap (tow)	: 1000m (L) x 56 mm (ø) SWR
Lower Drum Cap (AH)	: 1000m (L) x 56 mm (ø) SWR
Line Pull	: 150 mt @ 6.0 m/min at 1st layer 71 mt @ 12 m/min at 1st layer 50 mt @ 18 m/min at 1st layer 23.5 mt @ 36 m/min @ 1st layer
Brake Holding	: 200 mt static @ 1st layer
Storage Reel	: 1 x 5 mt @ 30 m/min electro hydraulic HSR; Mentrade suit for 1000 m (L) x 56 mm (dia) SWR
Stern Roller	: 5.0 m (L) x 1.50m (dia; SWL 200 mt
Shark Jaws	: 1 x electro-hydraulic Karmfork - SWL 300 mt
Tow Pins	: 2 x electro-hydraulic with turntable top flaps
Deck Crane	: Palfinger Systems, Type PK32080/M/D, Nr. 1540367, Mpa 30, SWL: 1.79T @ 14.2m, 4.38T @ 6.2m

FIRE-FIGHTING & SAFETY

Fire Pump	: 2 x 1642 m3/hr @ 12 bar
Fire Monitor Water	: 2 x 1200 m3/hr @ 120m throw
Fire Monitor Foam	: 1 x 300m3/hr @ 70m throw
Emergency Fire Pump	: 1 x 35 m3/hr @ 50 m
Rescue Boat	: 6 men semi-rigid with outboard motor
BA Compressor	: 1 x 260 ltrs / min @ 300 bar Coltri MCH16/E-TS
CO2 System	: Fixed in Engine Room

DYNAMIC POSITIONING SYSTEM

Marine Technologies Bridge Mate DP1
Positioning Reference - 1 x DGPS
Joystick - Bridge Mate JX

COMMUNICATION & NAVIGATION EQUIPMENT

GMDSS:	
VHF DSC 1	: FURUNO FM-8800S
VHF DSC 2	: FURUNO FM-8800S
MF/HF DSC	: FURUNO FS-1570
INM-C 1	: FURUNO FELCOM-15
INM-C 2 5	: FURUNO FELCOM-15
GMDSS SURVIVAL RADIO	: McMURDO R2 GMDSS
SART	: McMURDO S4 (2No.s)
EPIRB	: McMURDO SMARTFIND E5
NAVTEX	: FURUNO NX-700B

NAVIGATION:

GPS	: FURUNO GP-150
AIS	: FURUNO FA-150
GYRO COMPASS	: ANSCHUTZ STD22
RADAR 1	: FURUNO FAR-2117
RADAR 2	: FURUNO FR-1510 MK3
ECHO SOUNDER	: FURUNO FE-700
AUTOPILOT	: ANSCHUTZ NP-60
ECDIS	: TRANSAS NAVISAILOR 4000

SAFETY & SECURITY:

SSAS	: FURUNO FELCOM-15
LRIT	: FURUNO FELCOM-15
FIRE ALARM SYSTEM	: TYCO MARINE
BNWAS	: KEXUN KBJ3

SATELLITE COMMUNICATION:

VSAT	: KNS A9
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ENTERTAINMENT:

TVRO	: INTELLION i6
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