

Tug "FERAS 1"
42M ANCHOR HANDLING/ TOWING/OFFSHORE SUPPORT VESSEL



Dimension

Length Overall : 42.50 meters
 Breadth Moulded : 11.60 meters
 Depth Moulded : 5.00 meters
 Summer Draft : 4.25 meters

Tonnage

GRT : 663.00
 NRT : 199.00
 DWT(Summer draft) : 442.75 tons

Machinery/Propulsion/Maneuvering

Main Engine : 2 x YANMAR, Diesel engine
 Horsepower/RPM : **2 x 1975 BHP @750 RPM**
 c/w Reduction gearbox
 Main Generators : 2 x 307 kw
 Emergency Gen. : 1 x 50 kw
 Propeller : 2 x CPP, 2.5m Dia. @4-bladed
 Steering Gear : 2 x Independent Electro. Hyd. Sys.
 Bow Thruster : 1 x 5tons, CPP (Engine Driven)

Performance

Bollard Pull : **51.6 mt max.**
 Maxi mum Speed : 14 knots (approx.)@ 100% MCR

Safety Equipment

Life rafts : 2 x 25persons + 2 x 20persons
 Rescue Boat : 1 x 6 persons c/w pivoting davit
 Scrambling Net : 2 sets
Vessel Lifesaving Equipment are in accordance with SOLAS/LSA Code & Flag State requirements.

Registration

Year Built/Place : 2007/Malaysia
 Builder : Nam Cheong Dockyard Sdn Bhd, Miri, Sarawak
 Port of Registry : Moroni
 Flag/ Official No. : Union of Comoros / 13 00 304
 Class : American Bureau of Shipping (ABS)
 IMO no./Call Sign : 9389631/D6A2270
 Operator/Manager : **Mubarak Marine LLC**
 Notation : +A1, Towing Vessel, (Fire Fighting Capability)
 Offshore Support Vessel AH, (E), + AMS

Deck Equipment

Tugger winch : 2 x 5 tons @ Electro Hyd. Sys.
 Towing Pin / : 2 x 200 tons Bollard Pull
 Shark Jaw : 2 x 300 tons MBL wire
 Capstan : 2 x 5 tons @ Electro Hyd. Sys.
 Anchor Windlass and : Electro Hydraulic System, Windlass
 Mooring winch : with 6tons duty pull @14m/min,
 Mooring Drum with 10tons pull @
 14m/min, 100m L96mm Dia. rope
 Anchor Handling and : Double drum, Waterfall type @
 Towing winch : Electro Hydraulic system,
 Drum Capacity for Wire of 1000m
 Lx 54mm Dia., 180tons brake holding
 100tons pull force @6m/min
 Storage Drum Capacity : 1 x 1000m x 54mm Dia. wire

Anchor Mooring System

Anchor Type : Stockless Bower Anchor
 Anchor Capacity : 2 x 900 kg
 Anchor Chains : 2 x 11 Shackles L.30mm Dia. U2 Gr.

Fire Fighting & Anti-Pollution Equipment

FiFi Classification	: FFV1
Fire Pumps Capacity	: 1 x 1500m ³ /hr @14 bar
Fire Monitor Capacity	: 2 x water & foam monitor, 600 m ³ /h @ 12 bar
Oil Dispersant System	: 2 x 6m Spray Boom
<i>1 Fixed Fire Fighting System (CO2) to Machinery Space of Cat A, Fire Detection and Alarm system and Fire Fighting Equipment are in accordance with SOLAS/FFS Code & Flag State Requirements</i>	

Capacities

Bilge/Ballast/Fire Pump	: 1 x 50 m ³ /h
Bilge/GS/Fire Pump	: 1 x 50 m ³ /h
E Fire Pump	: 1 x 30 m ³ /h
Oily Water Separator	: 1 x 1 m ³ /h
Sewage Treatment	: 1 unit, suitable for 25men

Fresh Water/Water Ballast Tanks

No.1 FW/WB (C)	: 13.3 m ³
No.2 FW/WB (P)	: 16.8 m ³
No.2 FW/WB (S)	: 16.8 m ³
Total	: 46.9 m³

Fresh Water Tanks

No.1 FW(P)	: 14.2 m ³
No.1 FW(S)	: 14.2 m ³
No.2 FW(P)	: 34.3 m ³
No.2 FW(S)	: 34.3 m ³
No.3 FW(P)	: 41.0 m ³
No.3 FW(S)	: 41.0 m ³
Total	: 179 m³

Fuel Oil Tanks

No.1 FO (P)	: 23.0 m ³
No.1 FO (S)	: 23.0 m ³
No.2 FO (C)	: 22.2 m ³
No.2 FO (P)	: 11.7 m ³
No.2 FO (S)	: 11.7 m ³
No.3 FO (P)	: 27.0 m ³
No.3 FO (S)	: 27.0 m ³
No.4 FO (P)	: 79.5 m ³
No.4 FO (S)	: 78.3 m ³
FO DAY (P)	: 4.8 m ³
FO DAY (S)	: 4.8 m ³
Total	: 313 m³

Miscellaneous Tanks

Lube Oil (P)	: 3.2 m ³
Lube Oil (S)	: 3.6 m ³
Lube Oil Circ (P)	: 4.8 m ³
Lube Oil Circ (S)	: 4.8 m ³
Upper Hyd Oil (S)	: 1.6 m ³
Lower Hyd Oil (S)	: 1.6 m ³
Bilge Holding (P)	: 11.5 m ³
Dirty Oil (S)	: 11.5 m ³
Sewage (C)	: 5.4 m ³
Dispersant (P)	: 10.9 m ³
Foam (S)	: 10.9 m ³
Total	: 48 m³

Deck Space

Clear Deck Space	: 128 m ² (approx.)
Deck Strength	: 5tons/ m ²

Accommodation

Fully Air-Conditioned	
Single Cabin	: 3 nos. x 1 =3
2-men Cabin	: 7 nos. x 2 = 14
4-men Cabin	: 2 nos. x 4 = 8
Total	: 25 nos.

Discharge Pump Capacities

Fuel Oil (Cargo)	: 1 x 75 m ³ /hr @ 75m head
Fresh Water (Cargo)	: 1 x 75 m ³ /hr @ 75m head

Navigation & Communication Equipment

GPS Navigator	: 1 unit	GMDSS Radio A3	: 1 complete set
Gyro Compass	: 1 unit	VHF Radio Telephone	: 2 units
Magnetic Compass	: 1 unit	MF/HF SSB Radio Telephone	: 1 unit
Radar (ARPA)	: 2 units	Portable VHF	: 3 units
AIS	: 1 unit	Inmarsat C	: 1 set
Echo Sounder	: 1 unit	EPIRB	: 1 unit
Speed Log	: 1 unit	SART	: 2 units
Anemometer	: 2 units	Navtex Receiver	: 1 unit
BNWAS	: 1 set	Fleet Broadband	: 1 set
Auto Pilot	: 1 unit	Interior Com System	: 1 set
Joy Stick Control	: 1 set	PA System	: 1 set
CCTV	: 1 set	Sound Power Phone	: 1 set
Search Light	: 2 units		

Note: All details given in good faith without guarantee subject to change without prior notice.