



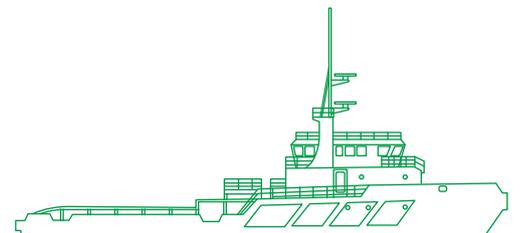
مبارك البحرية Mubarak Marine



Feras 1

Anchor handling offshore support vessel

At 42.5 m in length, this modern multipurpose offshore and firefighting tug is equipped with oil dispersant spray booms and can hold a crew of up to 25 people. With a maximum bollard pull of 51 tons it is ideal for offshore towage and general support duties.



Registration

Year of build	2007
Builder	Nam Cheong Dockyard Sdn Bhd
Port of registry	Moroni
Flag/Official number	Union of Comoros/13 00 304
Call sign	D6A2270
IMO number	9389631
Class	ABS
Operator	Mubarak Marine LLC

Dimensions

Length overall	42.5 m
Breadth moulded	11.6 m
Depth moulded	5 m
Summer draft	4.2 m

Machinery/propulsion

Main engine	2x YANMAR diesel engine
Horsepower/RPM	2x 1975 BHP @ 750 RPM c/w reduction gearbox
Main generators	2x 307 kW
Emergency generators	1x 50 kW
Propeller	2x CPP 2.5 m diameter @ 4-bladed
Steering gear	2x Independent electro hydraulic system
Bow thruster	1x 5 t, CPP (Engine driven)

Tonnage

GRT	663
NRT	199
Deadweight (Summer draft)	443 t

Performance

Maximum speed	14 knots @ 100% MCR
Bollard pull	Continuous 49.1 mt / maximum 51 mt

Accommodation

Single cabin	3 persons
2-men cabin	14 persons
4-men cabin	8 persons
Total accommodation	25 persons
Fully air-conditioned	

Deck equipment

Deck crane	1x 3 t Unic UBV500J series hydraulic crane
Tugger winch	2x 5 t @ electro hydraulic system
Towing pin	2x 200 t bollard pull
Shark jaw	2x 300 t MBL wire
Capstan	2x 5 t @ electro hydraulic system
Anchor windlass/mooring winch	Electro hydraulic system, windlass with 6 t duty pull @ 14 m/min, mooring drum with 10 t pull @ 14 m/min, 100 m L96 mm diameter rope
Anchor handling/towing winch	Double drum, waterfall type @ electro hydraulic system, drum capacity for wire of 1000 m L54 mm diameter, 180 t brake holding 100 t pull force @ 6m/min
Storage drum capacity	1x 1000 m x 54 mm diameter wire

Anchor mooring system

Anchor type	Stockless bower anchor
Anchor capacity	2x 900 kg
Anchor chains	2x 11 shackles L30 mm diameter U2 Gr

Navigation/communication equipment

GPS navigator	1 unit
Gyro compass	1 unit
Magnetic compass	1 unit
Radar (ARPA)	2 units
AIS	1 unit
Echo sounder	1 unit
Speed log	1 unit
Anemometer	2 units
BNWAS	1 set
Auto pilot	1 unit
Joy stick control	1 set
CCTV	1 set
Search light	2 units
GMDSS Radio A3	1 complete set
VHF radio telephone	2 units
MF/HF SSB radio telephone	1 unit
Portable VHF	3 units
Inmarsat C	1 set
EPIRB	1 unit
SART	2 units
Navtex receiver	1 unit
Fleet broadband	1 set
Interior com system	1 set
PA system	1 set
Sound power phone	1 set

Firefighting/safety equipment

Life rafts	2x 25 persons + 2x 20 persons
Rescue boat	1x 6 persons c/w pivoting davit
Scrambling net	2 sets

Vessel lifesaving equipments are in accordance with SOLAS/LSA code & flag state requirements

FiFi classification	FFV1
Fire pumps capacity	1x 1500 m ³ /hr @ 14 bar
Fire monitor capacity	2x water and foam monitor, 600 m ³ /h @ 12 bar
Oil dispersant system	2x 6 m spray boom

1 Fixed fire fighting system (CO₂) to machinery space of cat A, fire detection and alarm system and fire fighting equipments are in accordance with SOLAS/FFS code & flag state requirements

Deck space

Clear deck space	128 m ²
Deck strength	5 t/m ²

Capacities

Bilge/ballast/fire pump	1x 50 m ³ /h
Bilge/GS/fire pump	1x 50 m ³ /h
E fire pump	1x 30 m ³ /h
Oily water separator	1x 1 m ³ /h
Sewage treatment	1 unit, suitable for 25 persons

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 m ³

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 m ³
No. 3 FW(S)	41 m ³
Total	179 m ³

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 m ³

Discharge pump capacities

Fuel oil (Cargo)	1x 75 m ³ /hr @ 75 m head
Fresh water (Cargo)	1x 75 m ³ /hr @ 75m head





BOLLARD PULL ATTESTATION

Date: 25-August-2022

To whom it may concern

Hereby, we Bureau Veritas Solutions Marine & Offshore, confirm that Tug 'FERAS 1' (IMO No. 9389631) under the conditions described overleaf, exerted a five (5) Minute average Bollard Pull of 49.1 Tonnes force.

It is also witnessed that the 30 Second average Bollard Pull during the same five minute interval was 51 Tonnes force.

SUSTAINED BOLLARD PULL; TON (KN)	49.1 T
MAXIMUM BOLLARD PULL; TON (KN)	51 T

These results were recorded, without the main engine being overloaded.

Shaft driven auxiliaries were not fitted.

Signed by:

For Bureau Veritas Solutions M & O



Ms. Thelma Williams

Attending Surveyor (Bureau Veritas Marine & Offshore)

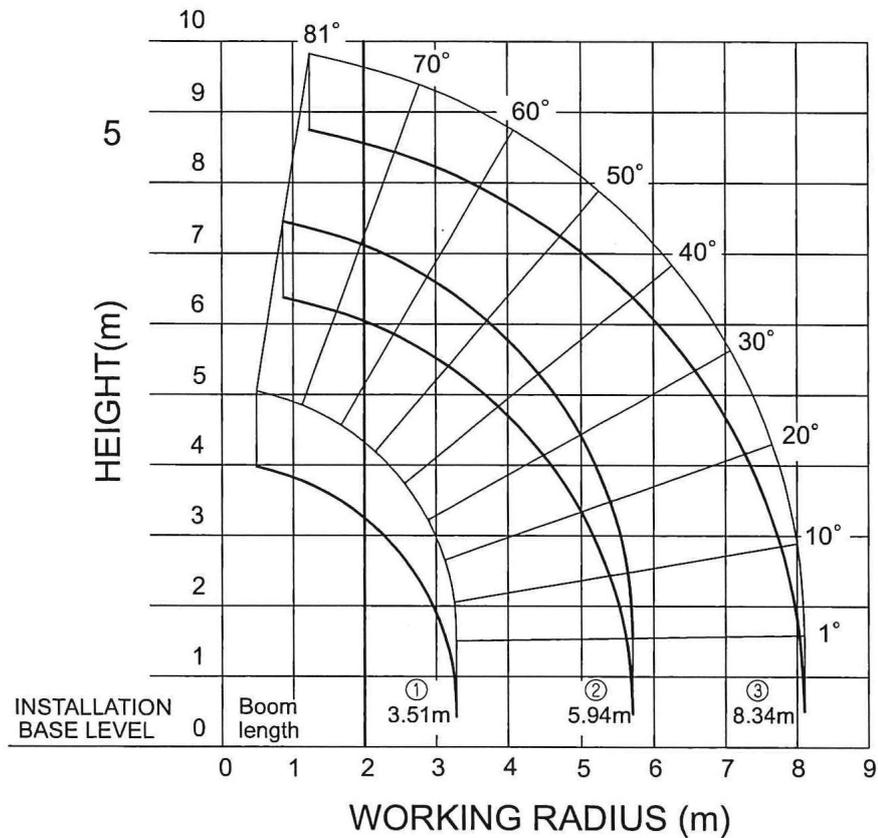
This attestation is prepared and submitted without any prejudice.

Ref - Attachment #1



This Attestation is granted subject to the condition that it is understood and agreed that nothing herein contained shall be deemed to relieve any designer, manufacturer, seller, supplier, repairer or operator of any warranty, express or implied and the liability of Bureau Veritas Solutions Marine & Offshore SAS shall be limited to the acts or omissions of its employees, agents or subcontractors. Under no circumstances whatsoever shall Bureau Veritas Solutions Marine & Offshore SAS be liable for any injury or damage to any person or property occurring by reason of negligent operation or any defect in materials, machinery, equipment or other items other than such defects ascertainable by normal accepted testing standards and only upon those items actually inspected by Bureau Veritas Solutions Marine & Offshore SAS and which are covered by this Report.

SHIP PARTICULARS	
Name of Vessel	Tug 'FERAS 1'
IMO Number	9389631
Date of Test	August 23 rd 2022
Draft During Test (Fwd)	3.2 m
Draft During Test (Aft)	4.0m
Trim (m)	0.80 Aft
ENGINE PARTICULARS	
Engine Builders	YANMAR
Engine Type	2 x YANMAR, Diesel engine
Maximum Rated Engine Power & RPM	1950 KW ; 1000 RPM
Gear Ratio	4.454
Number of Propeller Fitted	2 @ 4-bladed
Type of Propeller	CPP
Propeller Diameter	2.5 m
Propeller RPM	250
Other Shaft driven Auxiliary Machineries	NA
TEST PARTICULARS	
Type of Load Cell	Scotload - Load cell with Digital Indicator - 150 Tonne
Date of Calibration	04 th August 2022
% Engine Loading	100 %
Water Depth at test site (m)	18
Wind Speed at test site (m/s)	3 m / s
Current Speed at test site (m/s)	0.3 m / s
Observed Wave Height at test site (m)	Calm seas - 0.2 m
Height of Towing hook on tug above sea level (m)	3.25 m
Height of Bollard ashore above sea level (m)	3.25 m
Length of Tow Line between tow pin on tug and Pier (m)	200



Note: The working range charts refer to the cranes in no-load condition, not including the deflection of the boom.

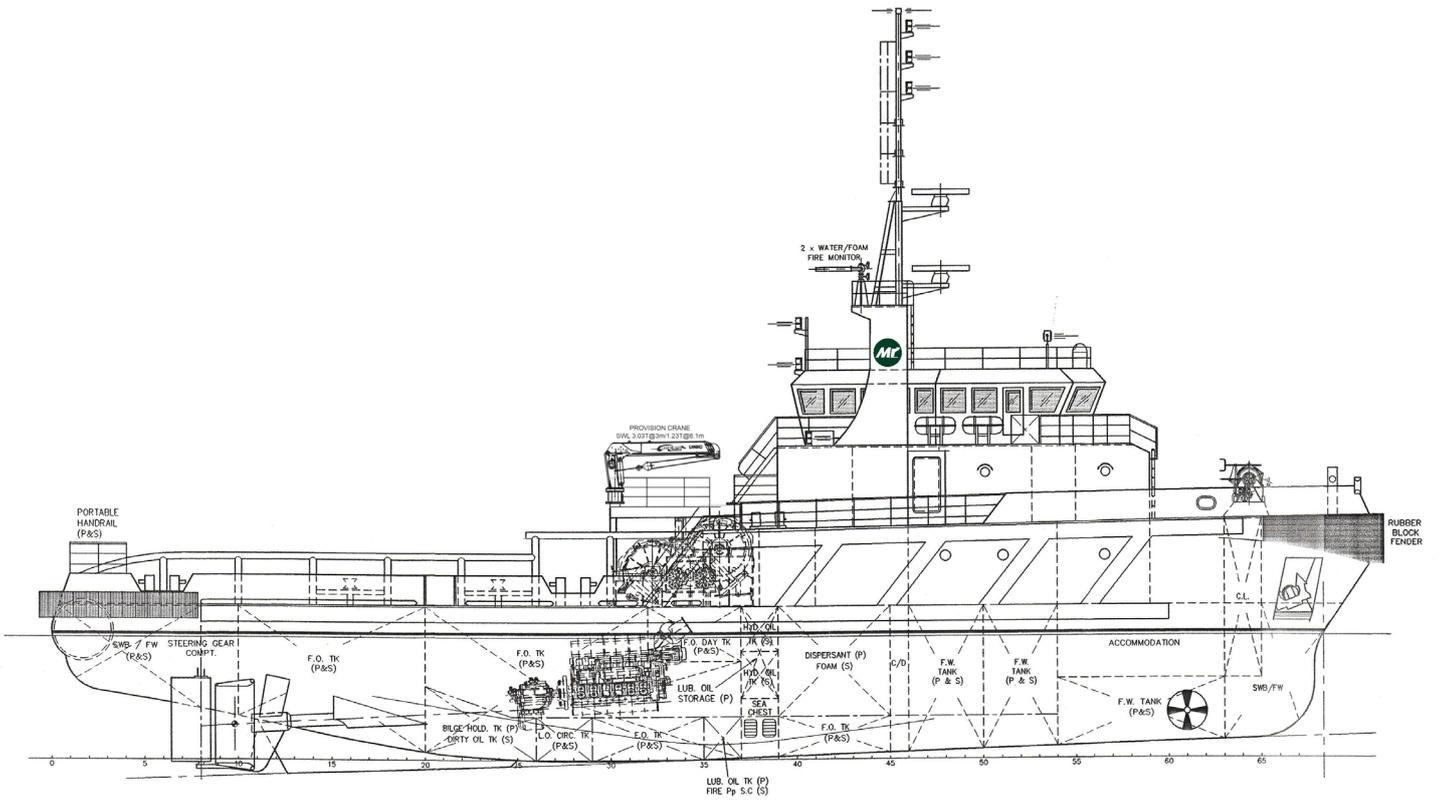
RATED LOADS

Operating condition of boom: ①,①+②,①+②+③

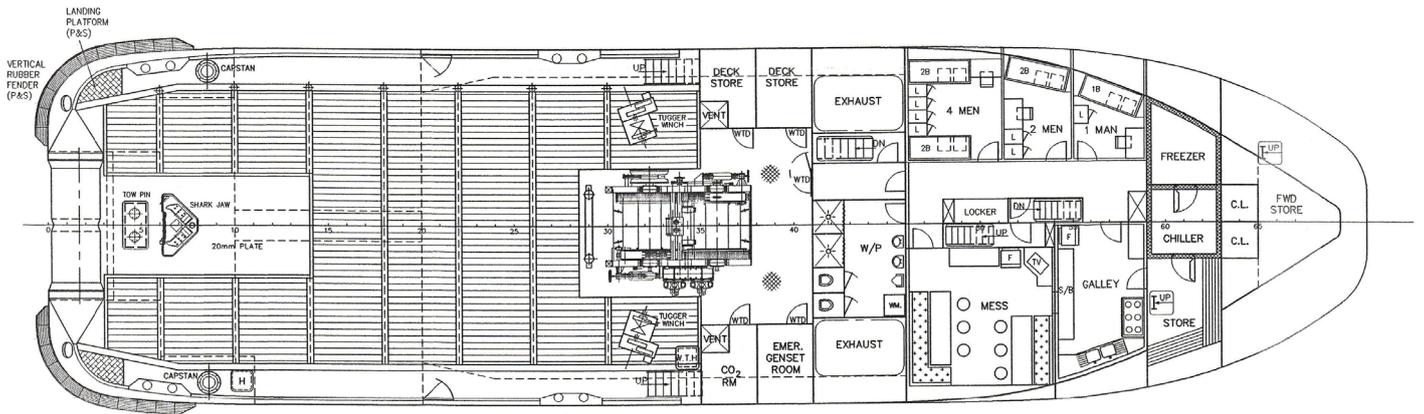
Working radius(m)	3.0	3.5	4.1	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.1
Rated load(t)	3.03	3.03	3.03	2.58	2.28	2.00	1.73	1.58	1.43	1.33	1.23

- Note: 1. The table shows actual working radius including a possible boom deflection with a load applied when the crane has been installed horizontally.
2. Rated load is based only on the suspending strength of the crane and stability of the crane mounted ship is not considered. Therefore, operate the crane while paying utmost attention to the stability of the ship.
3. The weights of hook (30kg), slings, and any accessories attached to the boom or loadline must be deducted from the above rated loads in the chart.

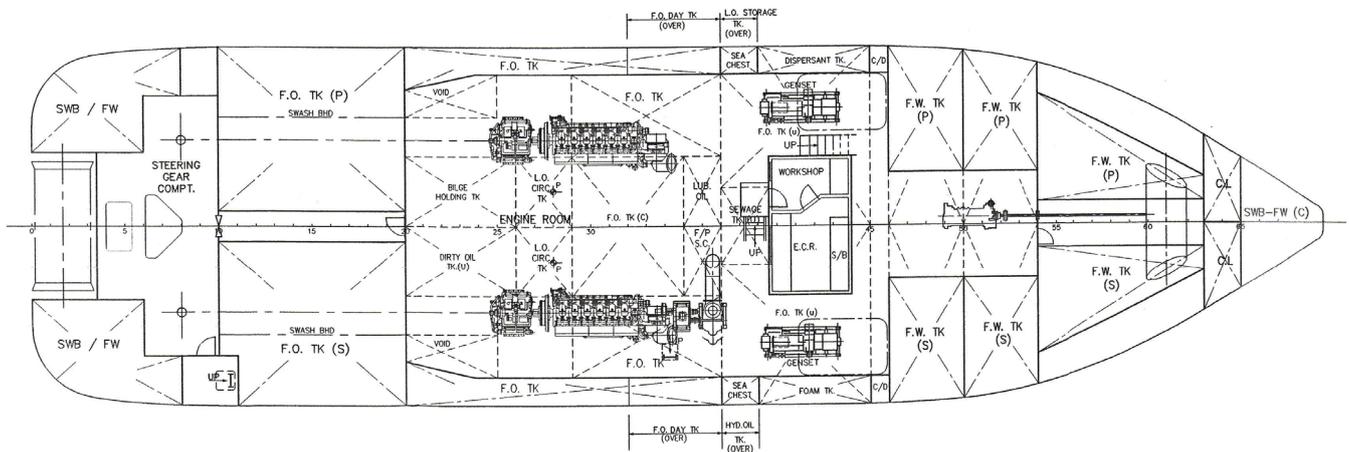
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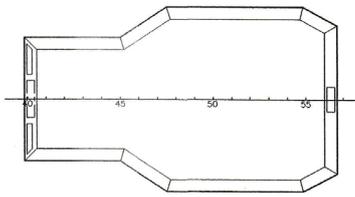
Outboard profile



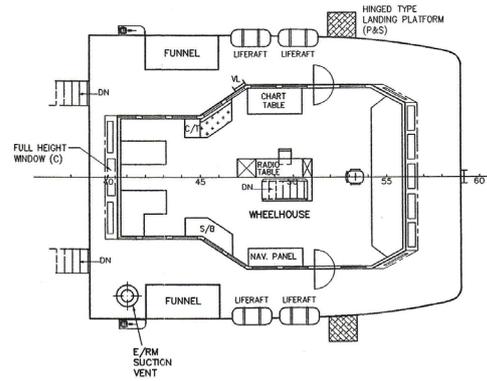
Main deck



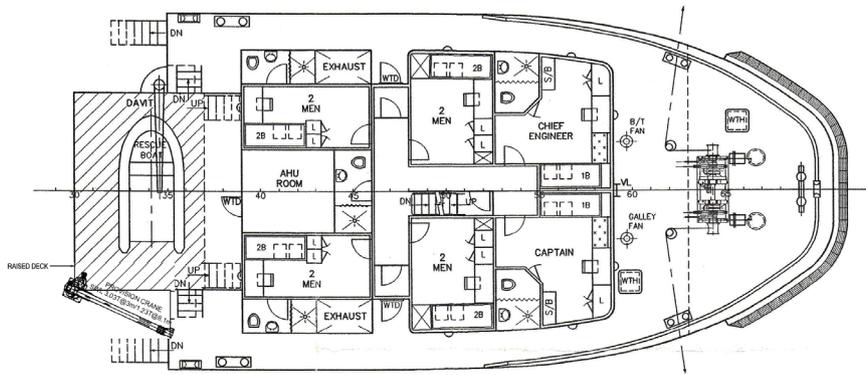
Below main deck



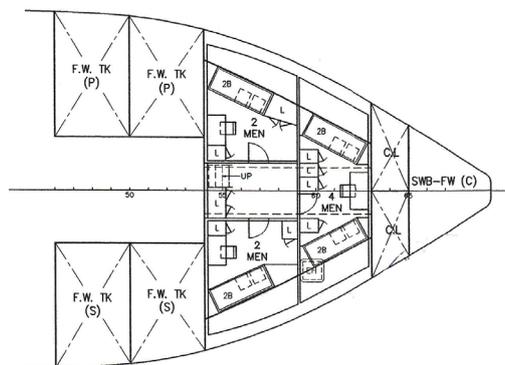
Wheelhouse top



Wheelhouse deck



Forecastle deck



Tank top

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Revision March 2026 | All technical details are provided as a guide only and are subject to owner's changes without notice