

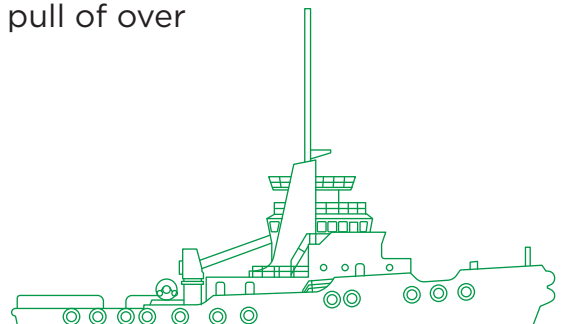


مبارك البحرية Mubarak Marine



Al Wahsh Offshore tug

This multipurpose anchor handling, firefighting and offshore towing tug is powered by two Fuji marine diesel engines, with a combined output of 5600 bhp. At over 43 m in length, the tug packs a bollard pull of over 73 tons and holds a crew of 19.



Registration

Year of build	1981
Rebuilt	2008
Builder	Hitachi Zosen Robin Dockyard PTE Ltd
Port of registry	Dubai
Flag	UAE
Official number	1200741
Call sign	D6EH7
IMO number	8017190
Class	American Bureau of Shipping
Operator	Mubarak Marine LLC

Dimensions

Length overall	43.5 m
Breadth moulded	13.7 m
Depth moulded	7 m
Draft designed	5.6 m

Machinery/propulsion

Main engines	2x Fuji diesel type 8L32X, FPP
Horsepower	2x 2800 bhp @ 600 rpm
Generator	2x Yanmar type 6Mal-HT
Harbour generator	1x Yanmar KDL rated 80Kw
Bow thruster	185Kw hydraulic operated, electrical driven

Tonnage

GRT	877 t
NRT	266 t
Deadweight	583 t

Performance

Maximum speed	12 knots
Bollard pull	73 t
Fuel consumption	Free running 10 m ³ , towing/10 knots 11 m ³

Capacities

Fuel oil	350 t
Fresh water	125 t
Chiller/freezer	3 m ³ each

Deck space

Clear deck space	50 m ²
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Navigation/communication equipment

Magnetic compass	Saura Keiki Co SR1650
Radar	2x ACR Pathfinder TM SART
GPS	KGP-920
Echo sounder	JMC F-3000
Gyro compass (aft/fwd)	Navitron NT920 DHR
Wind vane system	Young, USA 6206
Navtex receiver	Samyung SNX-300
SSB radio telephone	Sailor HC 4500B
VHF marine	2x Sailor
SATCOM phone	Thuraya
EPIRB	RLB- 32 CAT.1
GMDDSS	3x ACR (marker)

Firefighting/safety equipment

Life rafts	2x 20 persons - Shanghai Star Rubber Product
Life buoys	8 nos
Life jackets	23 nos
Fire extinguisher	11x foam 9 l, 6x CO ² 5 kg, 6x powder 4 kg
Fire pump FiFi	2x 600 m ³ /hr @ 10 bar
Fire monitor	Type counter fire 370 m ³ /hr, 140 m through with 6" main to diameter remote controlled +340° horizontal and ±30° vertical
Foam tank	58 m ³
Spray type	7 m boom each side
Rescue boat	6 persons/750 kg max with 25HP OBE

Deck equipment

Crane	1x Braden pedestal mounted boom @ 9.3 m, 6.5 t, hydraulic telescopic jib crane @ 16.8 m, 2.5 t
Towing winch	Ridderinkhof single drum with 650 m, towing wire of 2" diameter, spare towing wire of 600 m (2" diameter)
Windlass	2x 5.5 t with gypsy of 2.5 t (vertical type)
Fwd rope winch	Hydraulic/mooring rope winch with 200 m (4"diameter) wire of 1.6 t full and brake capacity 100 t
Tugger winch	1x hydraulic with 25 m wire (18 mm diameter)
Anchors	2x 900 kg stockless with chain of diameter 26 mm length 8 m shackles each (class approved)
Stern Roller	3.3 m x 1.5 m

Accommodation

Total	19 persons
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BUREAU VERITAS

Report No: DBA.4.23.923.300124.IR.001.DJ

INSPECTION REPORT

Reference :
Name of the Company : M/s. Mubarak Marine LLC, Dubai, UAE
Place of Inspection : M/v. AL WAHSH, Dubai Maritime City, Dubai
Date of Inspection : 30.01.2024
Date of next Inspection : Not Applicable
Item Description : Bollard Pull Test
ID No. : 8017190

At the request of M/s MUBARAK MARINE, DUBAI, UAE the undersigned surveyor to Bureau Veritas, acting within the general conditions of services of our society which governs such interventions, did attend at **ON BOARD: AL WAHSH, MUBARAK MARINE JETTY, DMC, DUBAI, U.A.E** to inspect the said item as per client request and reports as under:

Scope : Witnessing Bollard Pull Test as per client request.
Vessel Name : AL WAHSH
IMO No. : 8017190
Port of Registry : Dubai
Draft (FWD/MID/AFT) : 3.6m/ 4.6m / 5.5m
Depth : 13m
Tug stern to shore : 260mm
Diameter of wire rope : 52mm
Max. Wind Speed : 6-8 knots
Machinery : 2 x Fuji Diesel Engine
BHP : 5600 bhp x 600 rpm

Maximum Bollard pulls: 73.2 t
Sustained Bollard pulls: 72.6 t

Conclusion:
The bollard pull test was witnessed as per the client request. This report is made without prejudice for the ends and purposes for which it was designed.

Issued at Dubai on 30.01.2024

For Bureau Veritas:

Inspected By

Dipu Jacob
Inspector to Bureau Veritas



Reviewed by

Bibin Lal
Inspector to Bureau Veritas

Form No.: DXB-IVS-015-R1

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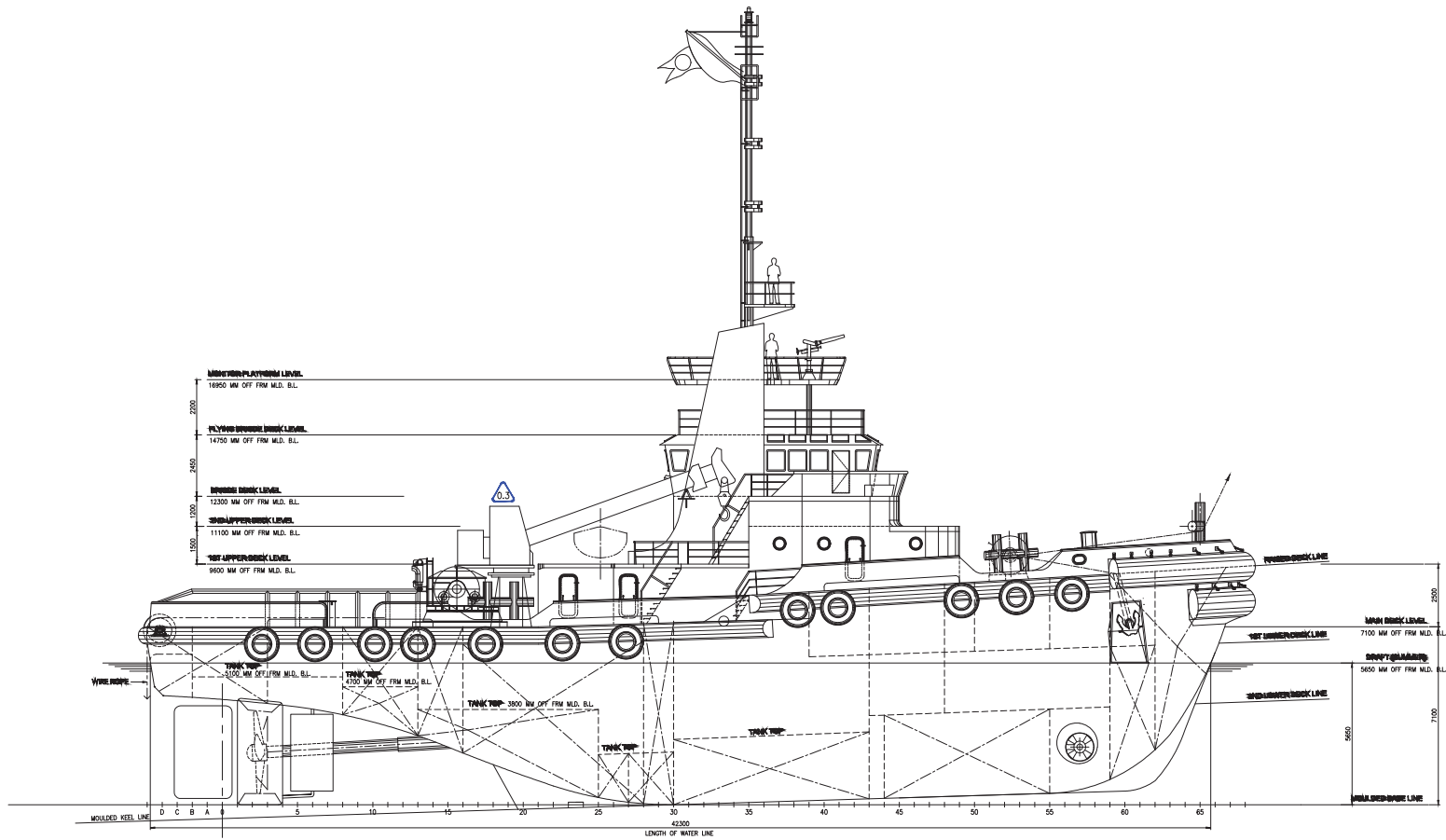
Report No: DBA.4.23.923.300124.IR.001.DJ

Start Time	15:00 Hrs
RPM / FIXED (PORT)	600 rpm
RPM / FIXED (STBD)	600 rpm
Exhaust Temp. (PORT)	410°C
Exhaust Temp. (STBD)	410°C
Test Data Pull (MT) @ 100% (5 min)	
0:00	72.1
0:30	72.6
1:00	72.3
1:30	72.4
2:00	72.8
2:30	73.2
3:00	72.8
3:30	72.6
4:00	72.4
4:30	72.8
5:00	72.6

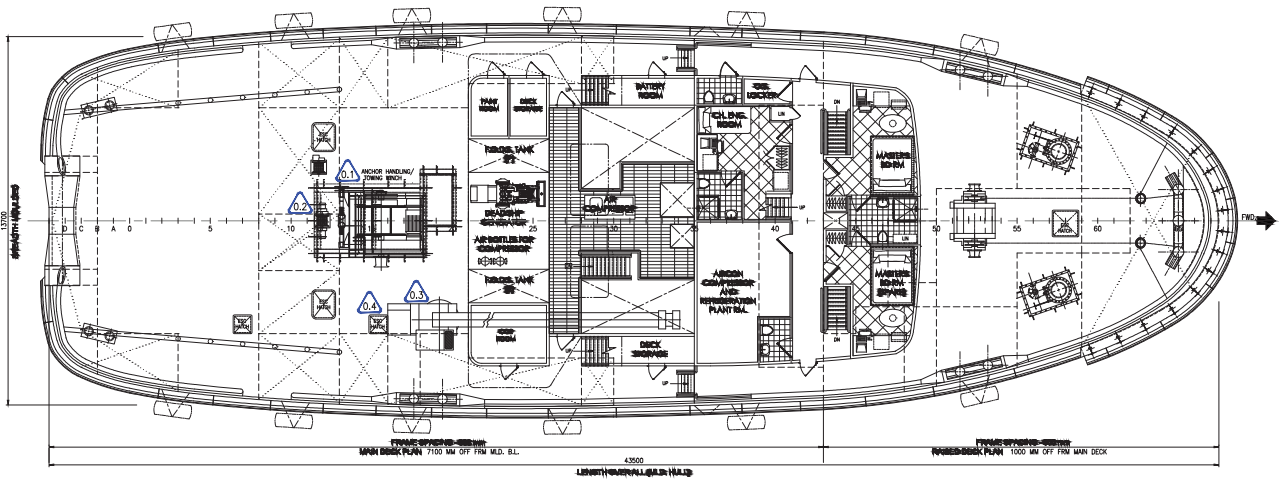
Equipment Details :-
1. 100 Tonne Tensile Load Cell- Sr No.: 44039
Calibration Report No.: 19671-2 Dated 27.04.2023 by AMOS.

Form No.: DXB-IVS-015-R1

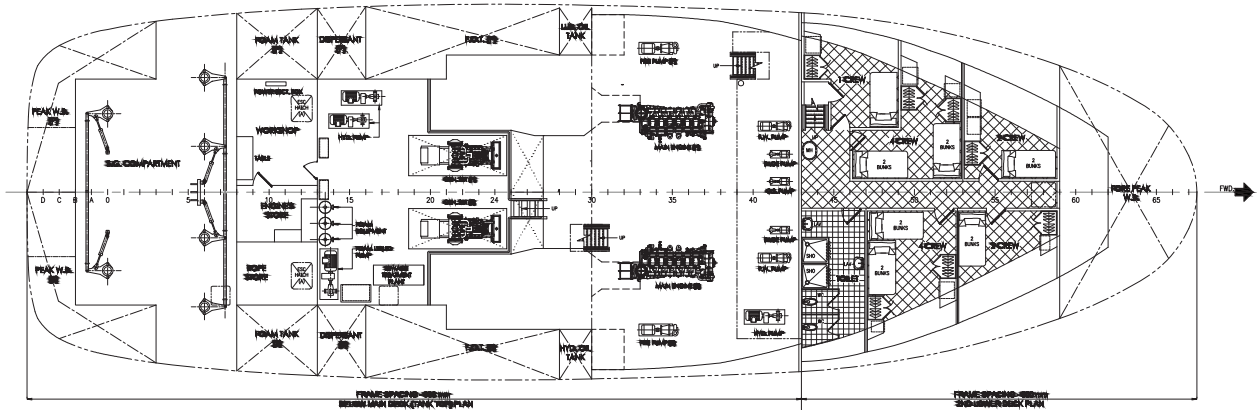
Bureau Veritas S.A. Dubai Branch, P.O. Box: 9110, Dubai, UAE. Tel No: +971 4 3074400 Fax No: +971 4 3452393/3459023 Email: buvertas@emirates.net.ae www.bureauveritas.com.



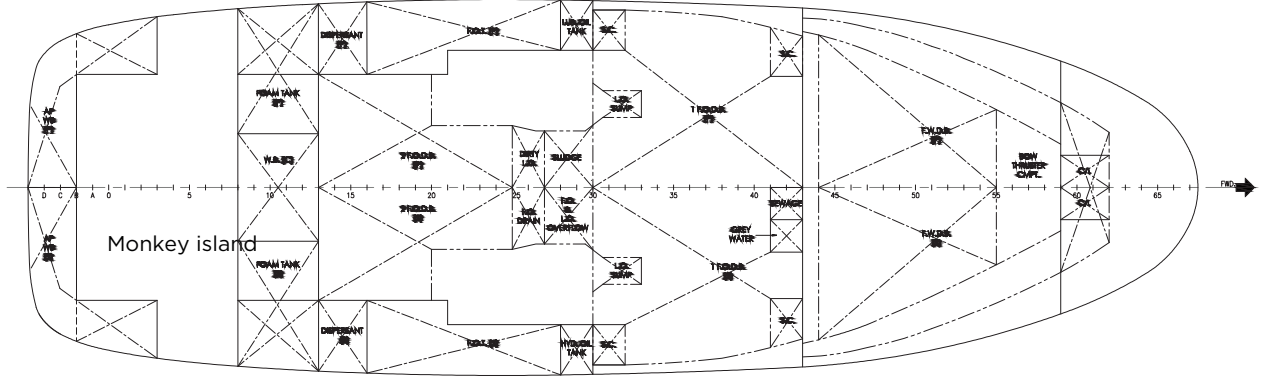
Outboard profile



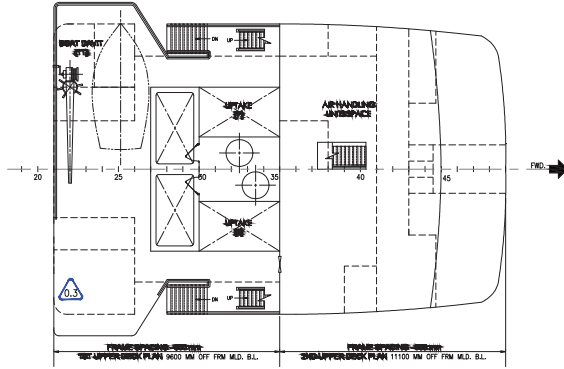
Main deck plan



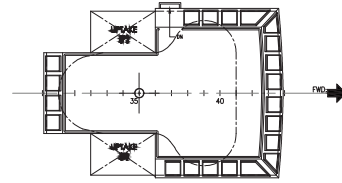
Below main deck plan



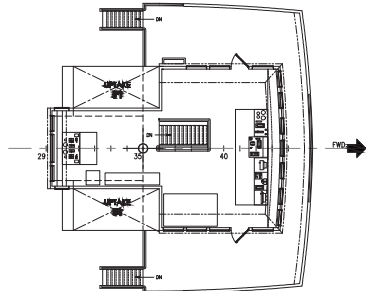
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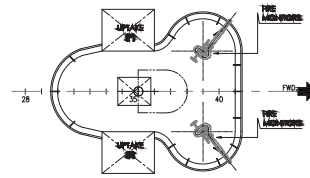
Main deck plan



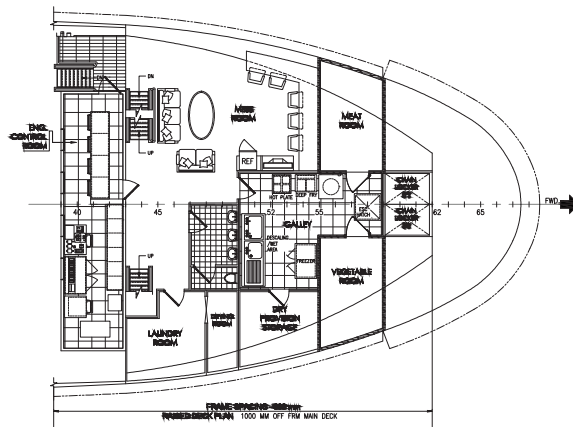
Main deck plan



Main deck plan



Main deck plan



Below main deck plan

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Revision March 2024 | All technical details are provided as a guide only and are subject to owner's changes without notice