

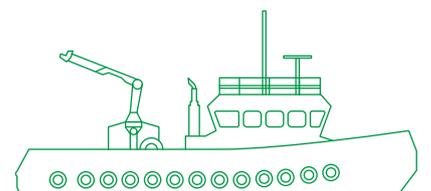


مبارك البحرية
Mubarak Marine



Obaid Harbour tug

An 18-metre harbour tug with two 500-horsepower main engines and an 8.1-ton bollard pull. Ideal for push-pull, harbour assisting, and escort towing operations, as well as firefighting, salvage, oil pollution, hose handling, and anchor handling.



Registration

Year of build	2006
Builder	Dubai Shipbuilding & Engineering LLC
Port/number of registry	Dubai/07177D
Call sign	A6E2742
Official number	5351
Class	Bureau Veritas
Owner	Mubarak Marine LLC

Dimensions

Length overall	18 m
Breadth moulded	6.5 m
Depth moulded	2.8 m
Draft designed	2.2 m

Machinery/propulsion

Main engine	2x cummins NTA 14M
Horsepower/RPM	2x 500 HP @ 1800 RPM
Generator	1x caterpillar 3054NA, 34 kW, 3ph, 50hz
Steering	Kobelt
Gearbox/ratio	2x ZF W350/4.962:1
Propellers	2x fixed pitch @ 5 blades

Tonnage

GRT	66 t
NRT	19 t
Deadweight	38 t

Performance

Speed	10 knots
Bollard pull	8.1 mt
Fuel consumption	2.9 mt @ max speed

Navigation/communication equipment

Magnetic compass	
Auto pilot	1x Comnav Marine-Canada
Radar	1x JMA - 2343 Japan range 48 nm
Echo sounder	V -6201-Japan-150 m
GPS	GP 100-Japan
VHF	Sailor RT 5022-Denmark

Accommodation

Berths	1x 4 berths, 1x 2 berths
Total	6 berths

Capacities

Fuel oil	28 mt
Fresh water	9.3 mt
Sewage tank	1x 1 M3

Deck equipment

Towing winch	1x 10 to pull capacity
Towing hook	1x 10 t capacity
Deck crane	1x Knuckle boom/retractable type with lift cap. of 3.5 t @ 4.8 m radius
Windlass	1x electric driven
Chain	1x 14 mm diameter @ 110 m

Firefighting/safety equipment

Life rafts	1x 6 persons
Life buoys/life jackets	3 nos/10 nos
Fire extinguisher	3 foam/3 dry powder/1 CO ₂
Fire main pump	1x 20 m ³ /hr @ 3.5 bar
External fire pump	1x 5000 l/min @ 10 bar
Fire monitor (water)	1x remote operated 5000 l/min @ 80 m throw length

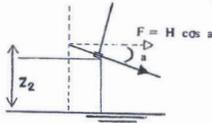


ANNEX: BOLLARD PULL TEST RESULTS (AHEAD)

TUG: **OBAID** REG. N°: **07177D** OWNER: **MUBARAK MARINE (L.L.C.)**
 Length = 17.5 m Breadth = 6.5 m Depth = 4.3 m Draft = 2.2 m
 TEST LOCATION: Dubai Maritime City, United Arab Emirates, WATER DEPTH = 12.0 m
 DATE: **04 Aug 2022** METEOROLOGICAL CONDITIONS: Good
 DRAUGHT FWD: 2.0 m DRAUGHT AFT: 2.4 m FUEL: 18 m3 F.W: 8.0 m3
 TRIM: 0.4 m

Test	Duration	RPM		RPM & PITCH		TENSION (Tons)				An g l e D E G a	Towing Line Length		Sustained Bollard Pull		Maximum Static Bollard Pull		% of Max. Adm. RPM	Fuel Rack Setti ng
		ENG.1 (PS)	ENG.2 (STBD)	PROP.1 (PS)	PROP.2 (STBD)	H Max.	H Min.	H Ave 5 min	H Ave 30 Sec.		M	M	KN	TONS	KN	TONS		
		Z2	Z1	F Average 5 Minutes		F Average 30 Sec.												
1	5 min	1700	1700	-	-	8.2	7.8	8.0	8.1	0	1.5	200	78.4	8.0	79.4	8.1	100/100	-

(1 kN=0.102 T)



Strain cell type: Load Cell Scotload 50 tons, S/N 2050-748T24, with digital remote read out
 Z2 = about 3.0 m
 Z1 = about 1.5 m

Engaged auxiliaries: -
 Towing line type: **3" Dia. synthetic rope**

Comments about rudder(s) or nozzle(s) orientations during tests:
 Rudder angle (degree): 0

BUREAU VERITAS



STATIC BOLLARD PULL CERTIFICATE (AHEAD)

NAME: **OBAID** REG NO.: **07177D**
 BUILDER: **DUBAI SHIPBUILDING & ENGINEERING LLC** YEAR BUILD: **2007**
 OWNER: **MUBARAK MARINE (L.L.C.)**

CLASSIFICATION SOCIETY: **BUREAU VERITAS**

LOA: 17.5 m Breadth: 6.5 m
 LPP: 16.92 m Depth: 4.3 m Draught: 2.2 m

PROPULSION
 NB: **Two (2)** TYPE: **Diesel Engine**

TOTAL POWER: 706 kW (960 HP)
 PROPELLER(S): Two (2) Solid Screw Propellers

FREE RUN SPEED: 9.0 Knots BUNKERS: see Annex
 ESTIMATED RANGE (ECONOMICAL): -

SUSTAINED BOLLARD PULL	8.0 TONS
MAXIMUM STATIC BOLLARD PULL	8.1 TONS

(FROM TESTS RESULTS. SEE ATTACHED ANNEX)

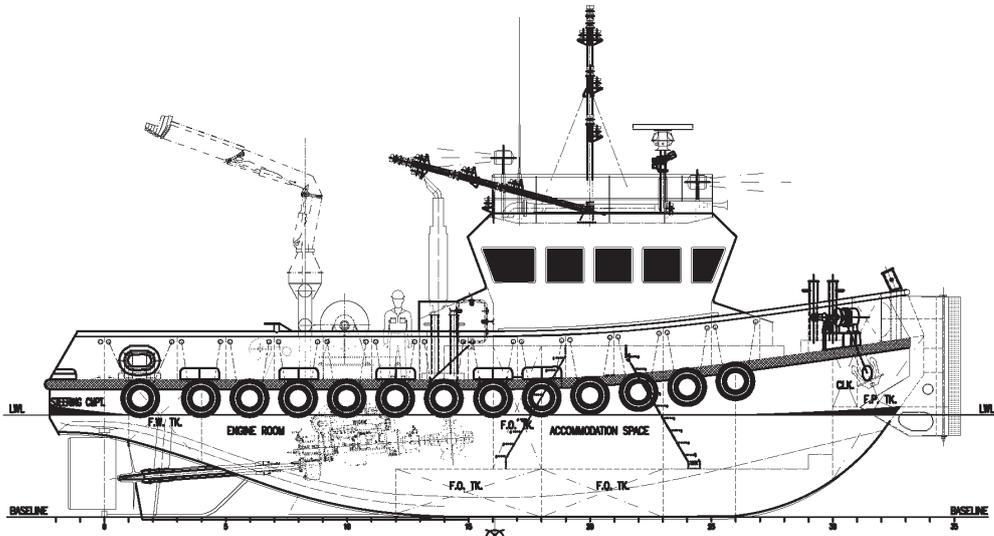
TOWING EQUIPMENT

- MAIN TOW LINE: L = 200 m BREAKING LOAD: -
 CHARACTERISTICS (COMPOSITION, DIAMETER): Synthetic rope, diameter 3 inches
- SPARE TOW LINE L = -, BREAKING LOAD: -, CHARACTERISTICS (COMPOSITION, DIAMETER): -
- WINCH(ES): towing hook only
- TOWING PENNANTS
 L = - BL = - CHARACTERISTICS: -
 L = - BL = - CHARACTERISTICS: -
- SHACKLES: -

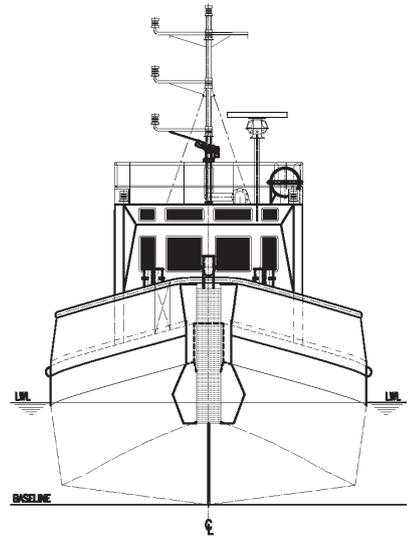
IN WITNESS WHEREOF THE PRESENT CERTIFICATE HAS BEEN ISSUED AND SIGNED TO SERVE AS IT MIGHT BE REQUIRED

The latest published Rules of the Bureau Veritas Marine Branch and the General Conditions therein are applicable.
 La dernière édition des Règlements de la Branche Marine du Bureau Veritas ainsi que les Conditions Générales qui y figurent sont applicables.

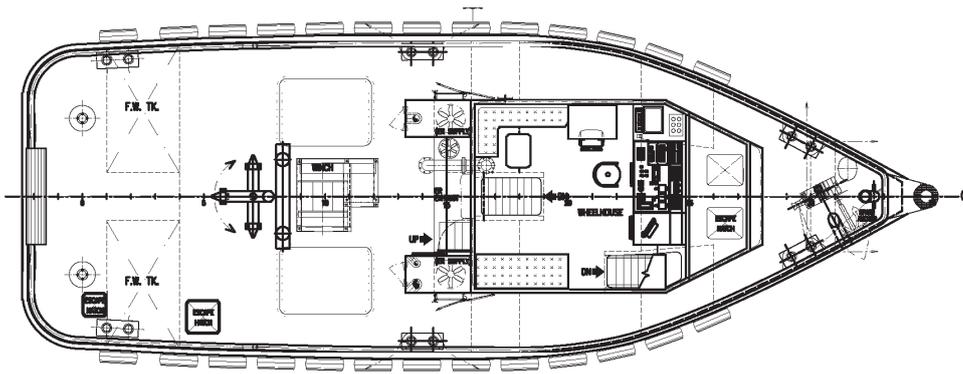




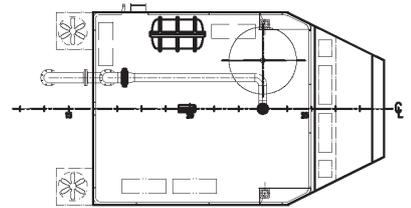
Outboard profile



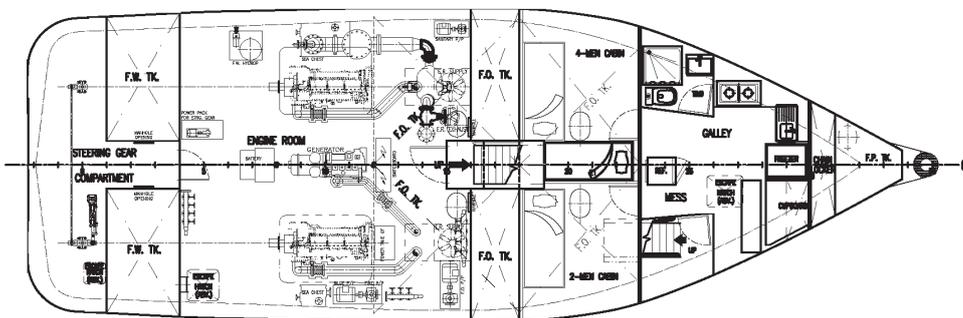
Front view



Main deck plan



Wheelhouse top



Below main deck

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Revision August 2022 | All technical details are provided as a guide only and are subject to owner's changes without notice