

# M/V Mutawa-312

## Anchor Handling Tug Supply Vessel



### Principal Particulars:

Call Sign	A6E2239
Year Built	2010
Place Built	Guangzhou Panyu Lingshan Shipyard, Guangzhou, China.
Classification	ABS *A1, Towing Vessel, Offshore Support Vessel, FiFi1
Flag	U.A.E.
Port of Registry	Abu Dhabi
Speed	12.0 knots

### Dimensions:

Length, overall	55.00 metres
Breadth, moulded:	13.80 metres
Depth,	5.50 metres
Draft (max.)	4.7 metres
Deadweight (maximum):	1,132 tonnes
GRT:	1,124 Tonnes
NRT:	337 Tonnes

### Deck and Cargo Capacity:

Clear Deck Area:	30 m x 11 m = 330 m <sup>2</sup>
Deck Strength:	5 t/m <sup>2</sup>
Deck Cargo:	500 tonnes
Fuel:	427.8 m <sup>3</sup>
Potable Water:	504.2 m <sup>3</sup>
Drill Water:	180.6 m <sup>3</sup>
Liquid Mud/Base Oil/Brine	142.4 m <sup>3</sup> (2 tanks )
Dry Bulk:	113.0 m <sup>3</sup> (4 tanks x 1,000 ft <sup>3</sup> )

### Machinery:

Main Engines:	2 x 2575 = 5150 BHP CAT 3516
Propeller	2 x CPP Berg
Bow Thruster:	1 x 315 kW, 5 T Thrust
Bollard Pull	67 Tons @ 100 % MCR
Main Generator	3 x 245 kW Caterpillar 3406 415 V/ 50 Hz/ 3Ph.
Emergency Generators:	1 x 80 kW (Leroy Somer ) 415 V/ 50 Hz/ 3Ph
Oily Water Separator.....	1 x Oily Water Separator, 1.0 m <sup>3</sup> /hr
Sewage Treatment.....	1 x 24 persons, Chongqing Taiko Kangda,

### Discharge Pumps:

Fuel Oil:	1 x 70 m <sup>3</sup> /hr 75 m head
Potable Water:	1 x 70 m <sup>3</sup> /hr 75 m head
Drill Water:	1 x 70 m <sup>3</sup> /hr 75 m head
Liquid Mud/Base Oil/Brine	2 x 45 m <sup>3</sup> /hr 50 m head
Dry Bulk:	2 x 13 m <sup>3</sup> /hr - 5.6 bar,

### Accommodation:

Berths/Cabin:	2 cabins x 1 man = 2
	3 cabins x 2 men = 6
	4 cabins x 4 men = 16
	<b>Total 24 persons</b>

### Towing and Anchor Handling:

AH Main Winch:	Double drum Hyd. Driven, Waterfall Type, 150 T Brake, 100 tonnes pull
Drum Capacity	1,000 m x 52 mm (Ø)
Towing Winch	150 T Brake, 100 tonnes pull
Drum Capacity	1,000 m x 52 mm
Karm Fork.....	1 x Karm Fork, SWL: 200 T
Tow Pin.....	2 x Tow Pin, SWL: 200 T
Stern Roller.....	5.0 m x 1.6 m (Ø), SWL: 200 T

### Navigation and Communication Equipment:

GMDSS (Area 3)	JRC JS B-196GM
VHF DSC.....	2 x JRC NCM-1770
MF/HF SSB.....	1 x JRC JSB-196GM
MF/HF DSC.....	1 x JRC NCT-196N
EPIRB.....	1 x McMurdo E5
SART.....	2 x McMurdo S4
Navtex Receiver.....	1 x JRC NCR-333
Portable GMDSS VHF...	3 x McMurdo R1
Inmarsat.....	1 x JRC JUE-85
Radar.....	1 x JRC JMA-5312-6 1 x JRC JMA-2343
Gyro compass.....	1 x Yokogawa
Magnetic Compass.....	1 x Saura MR-150
Auto Pilot.....	1 x ComNav 2001
DGPS.....	1 x JRC JLR-7700 MKII
Echo Sounder.....	1 x JRC JFE-380
Speed Log.....	1 x JRC JLN-205
AIS.....	1 x JRC JHS-182

### Deck Machinery:

Crane Capacity:	1 x High Pedestal Crane 14.4 tons @ 10.8 m radius 4.25 tons @ 24 m radius
Anchor Windlass.....	1 x 5 T, Marine Equipments
Anchor Chain.....	2 x 440 m x 34 mm (Ø)
Anchor (Bow).....	2 x 1,590 kg High Holding Power Anchors
Tugger Winch.....	2 x 10 T @ 15 m/min, Marine Equipments
Capstan.....	2x5 T @ 15 m/min, Marine Equip.

### Safety & Fire fighting & Anti-Pollution Equipment

FIFI Class (1) with Water Spray	
Pump.....	2 x 1,500 m <sup>3</sup> /hr @ 14 bar
Monitor (water / foam)	2x1,200 m <sup>3</sup> /hr/300 m <sup>3</sup> /hr @ 12 bar
Oil Dispersant System...	2 x 6 m Spray Boom
Life Raft.....	6 x 15 persons, SOLAS Approved
Rescue Boat.....	1 x 6 persons, Rigid Rescue Boat
Davit.....	West Marine Engine ring WME-SAD14, SWL: 1.35 T

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