

# M.V. Mutawa -301

## Anchor Handling Tug / Supply Vessel



### Principal Particulars

Call Sign	A6E2650
Year Built	2012
Place Built	Lingshan Shipyard
Classification	Bureau Veritas
Flag	U.A.E.
Port of Registry	Abu Dhabi
GRT / NRT / DWT	1366 T / 409 T / 1300 T
Light Displacement	1355 T
Operational Displacement	1550 T
Max. Displacement	2451 T
Speed	12.0 knots
Bollard Pull	65 Ton @ 100% MCR

### Dimensions

Length	56.20 m
Breadth	14.20 m
Depth	5.50 m
Operational Draft	3.15 m
Max Draft	4.30/4.50 m

### Deck and Cargo Capacity

Clear Deck Space	300 m <sup>2</sup>
Deck Cargo (Max.)	600 T
Fuel Oil	590 m <sup>3</sup>
Potable Water	555 m <sup>3</sup>
Drill/ Sea water Ballast	150 m <sup>3</sup>
Mud	120 m <sup>3</sup>
Brine	60 m <sup>3</sup>
Dry Bulk Cement	150 m <sup>3</sup>
Foam	7.6 m <sup>3</sup>
Dispersant	7.6 m <sup>3</sup>

### Communication Equipment

GMDSS	A1+A2+A3 JRC
Inmarsat C	1 x Furuno
VHF Radios	2 x Furuno
SSB	1 x Furuno
EPIRB	1 x Furuno
SART	2 x Furuno
PA System	1 x Phontec
Intercom	1 x Phontec
Walkie Talkie	3 x Icom GM-1500GMDSS
Fax / Internet	1
Mobile Phone	1

### Nautical Equipment

Radars	2 x Furuno
Auto Pilot	1 X CAMNAV
Gyro Compass	1 x YOKOGAWA
Echo Sounder	1 x Furuno
Magnetic Compass	1 x Saura
Navtex Receiver	1 x Furuno
GPS	1 x Furuno
DGPS	1 x Furuno
AIS	1 x Furuno
SSAS	1 x Furuno

LRIT	1 x Furuno
Dopplar Speed Log	1 x EML – 500HV1
Anometer	1 x Navman w-3150
Search Light	2 x 1000W (Explosion Proof)

### Machinery

Main Engines	2 x 2775 BHP @1000 rpm
Make	Wartsila 6L26,
Auxiliary Engines	3 x Caterpillar 3408C, 350 kw, .
Propellers	2 x manganese bronze, CPP type 4 Blade
Bow thruster	7 T, Electrical, DP interface, tunnel type
Oil Water Separator	0.5m <sup>3</sup> / H Less 15 PPM
Oil Dispersant System	C/W 2 x fixed off center throw nozzle
	410L/min @4 bar
	1 x adjustable balance proportioner
	(ratio 1-6%)

### Pumps

Cargo Fuel Pump	100 m <sup>3</sup> / Hr. @ 75 M head,
Fresh Water Pump	100 m <sup>3</sup> / Hr. @ 75 M Head, 415/3/50
Fire Pump	60 m <sup>3</sup> / Hr. @ 50 M head, 415/3/50
Bilge Ballast Pump	60 m <sup>3</sup> / Hr. @ 50 M head, 415/3/50
Dispersant Pump	1.5 m <sup>3</sup> / Hr.

### Accommodation (Fully Air-conditioned)

2 x 1 Man	= 2
3 x 2 Man	= 6
8 x 4 Man	= 32

### (Total for 40 Persons)

### Sewage Treatment for 40 persons

### Safety & Fire fighting Equipment

(to Classification and SOLAS Standards)

Fi-Fi 1, Pump	2 x 1450 m <sup>3</sup> , 140 MLC/ hr @ 14 Bar
Emergency Fire Pump	25 m <sup>3</sup> / Hr. @30 M head
Fire Monitor	2 X 1200 m <sup>3</sup> / Hr. @ 11 bar
Fire Extinguishers as per Class Requirements	
Life Rafts	4 x 20 Man
Rescue Boat	1 x FRC. A-Frame launching, inboard diesel engine, IMO approved

### Fixed Fire / Detection System

Fixed H<sub>2</sub>S detection

### Deck Equipment

1 x Anchor Handling Winch, 150 Tons S.W.L. Double Drum
1 x 12 Ton Crane boom @ 8 m radius; 3.9 t @ 20 m.
2 x 10 Ton Hydraulic Tugger Winch @ 15m/min.
1 x 5 Ton Hydraulic Anchor Windlass @ 12m/min
2 x 5 Ton Capstans, Electrical-Hydraulic Motor type
1 x 200 Ton Strong Jaw & Towing Pin, ME 200TSJ/200TP
2 x 1080 kg. Anchors each, ABS certification with
275 m x 36 mm anchor chain
1 x Stern Roller 1.6 m dia. and 5 m long with 200 tons S.W.L

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