

# M/V Mutawa -101

## Anchor Handling Tug with Hammerhead Crane



### Principal Particulars

Call Sign	A6E 3110
Year Built	2007
Place Built	Lingshan Shipyard
Classification	Germanischer Lloyd
Flag	U.A.E.
Port of Registry	Abu Dhabi
GRT / NRT / DWT	735 T / 220 T / 609 T
Light Displacement	836.96 T
Operational Displacement	1100 T
Max. Displacement	1529.4 T
Speed	12.5 knots
Bollard Pull	55 Ton @ 100% MCR

### Dimensions

Length	48.00 m
Breadth	12.80 m
Depth	4.60 m
Operational Draft	3.00 m
Max. Draft	3.80 m
Operational Draft	3.00 m

### Deck and Cargo Capacity

Clear Deck Space	250 m <sup>2</sup>
Deck Cargo (Max.)	260 T
Fuel Oil	497 m <sup>3</sup>
Potable Water	320 m <sup>3</sup>
Foam	20 m <sup>3</sup>
Dispersant	10 m <sup>3</sup>

### Communication Equipment

GMDSS	A1+A2+A3 JRC
Inmarsat C	1 x JRC
VHF	2 x JRC
SSB	1 x JRC
EPIRB	1 x JRC
SART	2 x JRC
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 JRC
Auto Pilot	1 X TMQ
Gyro Compass	1 x JRC
Echo Sounder	1 x JRC
Magnetic Compass	1 x Saura
Navtex Receiver	1 x JRC
GPS	1 x JRC
DGPS	1 x JRC
AIS	1 x JRC
SSAS	1 x JRC
LRIT	1 x Polestar
Dupplar Speed Log	1 x EML – 500HV1

Anometer	1 x Navman w-3150
Search Light	2 x 1000W (Explosion Proof)

### Machinery

Main Engines	2 x 2100 BHP @1600 rpm
Make	Caterpillar, Model: 3516B-HP B rating
Auxiliary Engines	3 x Caterpillar 3406C, 245 kw, .
	415V, 3 Ph, 50 Hz, 24VDC Elec. start
Propellers	2 x manganese bronze, FPP type 4 Blade
Bow thruster	5 T, Electrical, HRP tunnel type
Oil Water Separator	1 m <sup>3</sup> /hr x 2 kg/cm <sup>2</sup> head
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	80 m <sup>3</sup> / Hr. @ 70 M head,
Fresh Water Pump	80 m <sup>3</sup> / Hr. @ 70 M Head, 415/3/50
Fire Pump	80 m <sup>3</sup> / Hr. @ 35 M head, 415/3/50
Bilge Ballast Pump	80 m <sup>3</sup> / Hr. @ 35 M head, 415/3/50
Dispersant Pump	1.5 m <sup>3</sup> / Hr.

### Accommodation (Fully Air-conditioned)

4 x 1 Man cabin	= 4 Nos.
2 x 3 Men cabin	= 6 Nos.
4 x 4 Men cabin	= 16 Nos.

(Client Office : 1 No.)

### (Total for 26 Persons)

Sewage Treatment for 26 persons

### Safety & Firefighting Equipment

(to Classification and SOLAS Standards)

FIFI Pump	1200 m <sup>3</sup> / hr @ 14 Bar
Emergency Fire Pump	25 m <sup>3</sup> / Hr. @30 M head
Fire Monitor	2 X 600 m <sup>3</sup> / Hr. @ 12 bar
Fire Extinguishers as per Class Requirements	
Life Rafts	4 x 25 Man
Rescue Boat	1 x Inflatable/40 HP outboard

### Fixed Fire / Detection System

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

### Deck Equipment

1 x 50 Tons Hammerhead Crane @ 6 m radius
1 x 3 Tons Crane @ 5 m & 1 Ton @ 15 m
1 x Towing Winch, 75 Tons S.W.L. Double Drum
2 x 10 Ton Hydraulic Tugger Winch @ 15m/min.
1 5 Ton Hydraulic Anchor Windlass @ 10m/min
2 x 5 Ton Capstans, Electrical-Hydraulic Motor type
2 x 968 kg. Anchors each, ABS certification
with 330 m x 32 mm anchor chain
1 x Stern Roller 1.45m dia. and 3.5m long with 150 tons S.W.L

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