

## M/V Mutawa -105 Anchor Handling Tug (FIFI 1)



### Principal Particulars

Call Sign	A6E2405
Year Built	2006
Place Built	Tuong Aik Shipyard Sdn. Bhd/ Malaysia
Official No.	9949/N
Classification	Bureau Veritas
Flag	U.A.E.
Port of Registry	Abu Dhabi
GRT / NRT/DWT	716 T/ 215 T/ 580 T
Light Displacement	755.52 T
Optnl. Displacement	1100 Tons
Maximum Displacement	1750.44 T
Speed	12.0 knots
Bollard Pull	50.52 Ton

### Dimensions

Length	45.00 m
Breadth	11.80 m
Depth	4.85 m
Max Draft	4.00 m

### Deck and Cargo Capacity

Clear Deck Space	200 m <sup>2</sup>
Deck Cargo (Max.)	200 T
Deck strength	5 T/ m <sup>2</sup>
Fuel Oil	548.67 m <sup>3</sup>
Potable Water	171.22 m <sup>3</sup> /
Drill/ Sea water Ballast	67.78 m <sup>3</sup>
Mud	N/A
Dry Bulk Cement	N/A
Foam	9.81 m <sup>3</sup>
Freezer / Chiller	2.5 m <sup>3</sup> each

### Communication Equipment

Radar	2 x JRC 2254, 1 x JRC JMA3910
Gyro Compass	1 x Yokogawa CMZ 700 B
Magnetic compass	1 x Daiko SR 150 PK
Auto pilot	yes
Echo sounder	1 x JRC JFE 582
GPS	1 x JRC DGPS NWZ-4570
Navtex Receiver	1 x JRC NCR 330
GMDSS	Covering Area A1 + A+ A3
VHF	2 x JRC JHS 32B, 3 x ACR SR 103
AIS	1 x JRC AIS JHS - 182

### Machinery

Main Engines	2 x CAT 3516B,
Horse Power	4800 HP @ 1600 rpm
Generators	2 x Caterpillar 3406 synchronized 245 KW, 1500 rpm, 415/3/50 Hz
Emergency Genset	1 x CAT GEP 65-3, 48 KW 415/3/50 Hz.
Propellers	2 x CPP with nozzle
Bow thruster	1 x Schottel STT 170 LK, 5 tonnes thrust
<b>Pumps</b>	
Cargo Fuel Pump	80 m <sup>3</sup> /hr @ 20 m head,
Fresh Water Pump	80 m <sup>3</sup> /hr @ 20 m Head,

### Accommodation (Fully Air-conditioned)

2 x 1 Man cabin	= 2
2 x 2 Men cabin	= 4
5 x 4 Men cabin	= 20

### (Total for 26 Persons)

Sewage Treatment for 26 persons

### Safety & Firefighting Equipment

(to Classification and SOLAS Standards)

Fire Extinguishers as per Class Requirements	
Fi-Fi 1, Pump	1 x 1400 m <sup>3</sup> driver by CAT 3412 E 1000 BHP @ 2100 rpm
Fire Monitor	1 X 1200 m <sup>3</sup> /hr.
Spray Booms	Yes
Rescue Boat	1 x FRC. : 1 x "JNM" FRC, Model NPT60RB "Davit International" A-Frame davut system Model D-NPS, SP.22

### 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 Crane	hydraulic driven telescopic JIB type, 2 tonnes @ 5 m
1 x Tugger Winch	5 Ton Hydraulic @ 15m/min.
1 x Windlass	4 Ton electro hydraulic anchor, 4 tons @ 12m/min double gypsies suitable for 28 mm dia stud link chain
1 x Capstans	5 Ton Electrical-Hydraulic Motor type
2 x Anchors	1020 kg each, stockless anchors
2 x Anchor Chains	2 x 440 m x 28 mm
Stern Roller	5.0 m x 1.6 m (SWL 100 mt)
Shark Jaws /	1 x hydraulically operated anchor
Towing pin	handling fork able to take 30 mm to 40 mm dia wire and 25 mm to 50 mm dia chain. SWL 100 tons/ 2 x vertical hydraulic towing pins