

M/V Mutawa -102

Anchor Handling Tug with Hammerhead Crane



Principal Particulars

Call Sign	A6E 2176
Year Built	2010
Place Built	Lingshan Shipyard
Classification	Germanischer Lloyd
Flag	U.A.E.
Port of Registry	Abu Dhabi
GRT / NRT / DWT	875 T / 262 T / 609 T
Light Displacement	837 T
Operational Displacement	1100 T
Max. Displacement	1529.4 T
Speed	13.0 knots
Bollard Pull	74 Ton @ 100% MCR

Dimensions

Length	48.00 m
Breadth	13.20 m
Depth	4.80 m
Operational Draft	3.15 m
Max Draft	4.20 m

Deck and Cargo Capacity

Clear Deck Space	250 m ²
Deck Cargo (Max.)	260 T
Fuel Oil	400 m ³
Potable Water	350 m ³
Foam	20 m ³
Dispersant	10 m ³

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 TMOQ
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 JRC
Dupplar Speed Log	1 x EML – 500HV1
Anometer	1 x Navman w-3150

Search Light	2 x 1000W (Explosion Proof)
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Machinery

Main Engines	2 x 3000 BHP @1800 rpm
Make	Caterpillar, Model: 3516B
Auxiliary Engines	3 x Caterpillar C18, 350 kw, . 415V, 3 Ph, 50 Hz, 24VDC Elec. start
Propellers	2 x manganese bronze, CPP type 4 Blade
Bow thruster	5 T, Electrical, HRP tunnel type
Oil Water Separator	1 m ³ /hr x 2 kg/cm ² head
Oil Dispersant System	C/W 2 x fixed off center throw nozzle 410L/min @4 bar 1 x adjustable balance proportioner

Pumps

Cargo Fuel Pump	80 m ³ / Hr. @ 70 M head,
Fresh Water Pump	80 m ³ / Hr. @ 70 M Head, 415/3/50
Fire Pump	70 m ³ / Hr. @ 35 M head, 415/3/50
Bilge Ballast Pump	70 m ³ / Hr. @ 35 M head, 415/3/50
Dispersant Pump	1.5 m ³ / Hr.

Accommodation (Fully Air-conditioned)

4 x 1 Man	= 4
4 x 2 Man	= 8
4 x 4 Man	= 16

(Total for 28 Persons)

Sewage Treatment for 28 persons

Safety & Firefighting Equipment

(to Classification and SOLAS Standards)

FIFI Pump	2 x 1350 m ³ / hr @ 14 Bar
Emergency Fire Pump	25 m ³ / Hr. @30 M head
Fire Monitor	2 X 1200 m ³ / 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 H₂S detection

Deck Equipment

1 x 60 Tons Hammerhead Crane @ 6 m radius
1 x 3.3 Tons Crane @ 15 m & 12 Ton @ 3 m
1 x Anchor Handling Winch, 150 Tons S.W.L. Double Drum
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
2 x 855 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

Diving Equipment:

1 x DDC ; 1 x Dive Control
2 x HP Compressors 20 CFM; 1 x LP Compressor 80 CFM
2 x Air Quads; 1 x O ₂ Quad

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