

# M/V Mutawa - 401

## DIVING SUPPORT VESSEL-DP2



### Principal Particulars

Call Sign	A6E 2317
Year Built	2013
Place Built	Guangzhou Shipyard Ltd, china
Classification	Bureau Veritas
Flag	U.A.E.
Port of Registry	Abu Dhabi
GRT / NRT / DWT	2900 T / 900/2300(Est.)
Light Displacement	2600 T (Est.)
Operational Displacement	TBD
Max. Displacement	3978 T
Speed	12.0 knots @ 80% MCR

### Dimensions

Length	75.2 M
Breadth	17.8 M
Depth (Design)	6.0 M
Draft	4.5 M

### Deck and Cargo Capacity

Clear Deck Space	615 m <sup>2</sup> (Approx)
Deck Cargo (Max.)	500 T
Fuel Oil	580 m <sup>3</sup> (Approx)
Fresh Water	700 m <sup>3</sup> (Approx)
Potable/ Sea water Ballast	500 m <sup>3</sup> (Approx)
Foam	20 m <sup>3</sup>

### Communication Equipment

GMDSS	FURUNO//FS-2575
Inmarsat C	FURUNO//FELCOM18
VHF Radios	FURUNO//FM-8900S
EPIRB	SAILOR/SE- II
SART	SAILOR/SART II
PA System	1
Intercom	1
Fax / Internet	FURUNO/FELCOM250
Mobile Phone	1

### Nautical Equipment

Radars	FURUNO/FAR-2117
Auto Pilot	NAVITRONNT888G
Gyro Compass	SIMRAD/GC-80
Echo Sounder	FURUNO//FE-700
Magnetic Compass	LILLEY/MK2000S
Navtex Receiver	FURUNO//NX-700B
GPS	FURUNO//GP-32

DGPS	FURUNO//GP-150
AIS	FURUNO//FA-150
Dopplar Speed Log	FURUNO//DS-80
Search Light	KUKDONG/PSHR -2K-U56W

### Machinery

Main Engines	2 x 3700 BHP @ 1000 rpm Wartsila 8L26,2720KW
Auxiliary Engines	3 sets CAT,C18,450KW
Emergency Genset	1 x 130 kw, CCFJ
Propellers	2 sets wartsila Azimuth CS300-S/WN-K
Bow thruster	2 x 8 Ton, Wartsila, CT150H-D
Stern Thruster	NA

### Pumps

Fuel Pump	100 m <sup>3</sup> / Hr. @ 75 M head (KSB ITUR RC2)
Fresh Water Pump	100 m <sup>3</sup> / Hr. @ 75 M Head (KSB ITUR ILNC65/250B)
Fire Pump	60 m <sup>3</sup> / Hr. @ 50 M head (KSB ITUR ILNC50/200B)
Bilge Ballast Pump	60 m <sup>3</sup> / Hr. @ 50 M head (KSB ITUR ILNC50/200B)

### Accommodation (Fully Air-conditioned)

12 x 1 Man	= 12 Men
12 x 2 Man	= 24 Men
11 x 4 Man	= 44 Men
Sick bed	= 2 Men

**(Total for 80 Persons)**

### Sewage Treatment persons

### Safety & Fire fighting Equipment

(to Classification and SOLAS Standards)

Fi-Fi 1, Pump	2 x 1450 m <sup>3</sup> / hr , 140 MLC @ 14 Bar (2 OFF FFS SEP 250 x350HD)
Emergency Fire Pump	35m <sup>3</sup> / Hr. @4.5 bar (KSB ITUR ILNC 50/200A)
Fire Monitor	2 X 1200 m <sup>3</sup> / hr. @ 11 bar (1 OFF FFS 1200/300 LB)
Fire Extinguishers as per Class Requirements	24 Pecs 5 KG Dry powder, 8 pecs 7 KG CO2,31 pecs 9 L Foam, 1 pec 45L foam
Life Rafts	8 x 20 Man
Rescue Boat	1 x 40men life boat as rescue boat
Life Boat	2 side launching, IMO approved 80 persons

### Deck Equipment

- 1 x 50 Ton Crane @ 4.0 m
- 1 x 2 Ton Crane @ 28 m boom
- 2 x 10 Ton Electro-Hydraulic Tugger Winch @ 15m/min.  
(1 SET Macgregor /MG-HUW-1040UL )
- 1 x 5 Ton Electro-Hydraulic Anchor Windlass @ 12m/min  
With 2 cable lifters & 2 warping drums  
(1 set Macgregor /MG –HAW/GG-36)
  
- 2 x 5 Ton Electro-Hydraulic Capstans, @ 15m/min  
(2 sets Macgregor /MG-HVC-0545)
- 2 x 1080 kg. Anchors each, 275 m x 36 mm anchor chain

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### Fixed Fire / Detection System

- 1 set Consilium Addressable FDS
- Fixed H<sub>2</sub>S detection, 6 sensors 1 Consilium  
Salwico CCP Gas

### DP Equipment: Kongsberg

- IMO DP-2Class/ K-pos, DP21-2 Eqpt.  
With independent joystick system with  
following references:
- 2 x DGPS, 1 x Fan Beam,  
1 Hipap and 1 Taut Wire
- DP sensors and position reference system
- 2 sets gill wind observer II Wind Sensor
- 1 set wind sensor wind observatory  
OMC-160
- 2 Sets MRU -2 motion reference unit
- 1 set MRU-5 motion reference unit
- 1 set HIPAP 351 system
- 1 set DPS 112- differential position system
- 1 set light weight taut wire system

