

AHTS/Mooring Vessel



Principal Particulars

Place Built	2011
Classification	Lingshan Shipyard
Flag	DNV GL
Port of Registry	U.A.E.
GRT / NRT/DWT	Abu Dhabi
Light Displacement	1123 T / 337 T / 791 T
Operational Displacement	1467.21 T
Max. Displacement	1973.18 T
Speed	2258.33 T
	12.0 knots

Dimensions

Length	55.00 m
Breadth	13.80 m
Depth	5.50 m
Max Draft	4.30/4.76 m

Deck and Cargo Capacity

Clear Deck Space	220 m ²
Deck Cargo (Max.)	500 T
Deck strength	5 T/ m ²
Fuel Oil	425 m ³
Potable Water	504 m ³
Drill/ Sea water Ballast	150 m ³
Mud	134.5 m ³
Dry Bulk Cement	113.2 m ³
Coupling	4" Camlock
Foam	11.6 m ³
Detergent	11.6 m ³
Dispersant tank (capacity)	5.3 m ³
Spray booms (no./length)	2 nos.

Communication Equipment

Gyro/ magnetic compass	yes
DGPS	yes
Navtex and wind sensor	yes
Radio transceiver	yes
Radio telex	yes
Weather Fax	yes
Mobile phone	yes
Marine VHF (brand/type)	2
Portable VHF (no./type)	2
Echo sounder	yes
Speed Log	yes
Mobile emergency VHF	yes
Emergency VHF aircraft beacon	yes
Emergency auto alarm receiver	yes
GPS	yes
GMDSS	yes
Inmarsat C (telex, fax, email)	yes
Watch receiver/chronometer	yes
Radar transponder	yes
Free float EPIRB/COSPAS	yes
Control positions	one forward & one aft
Joystick (no./type)	bridge mate

Compass	yes
Gyro compass	yes
Auto pilot	yes
Radar	1 ARPA
Echo sounder	yes

Machinery

Main Engines	5150 BHP
Make	2 x CAT 3516B,
Auxiliary Engines	2 x Caterpillar C18, 285 kw, .
	415V, 3 Ph, 50 Hz
Shaft Generator	2 x 450 Kw, 415/50/3
Emergency Genset	1 x 75 Kw
Propellers	2 x CPP type 4 Blade
Bow thruster	5 T, Electrical, DP interface, tunnel type
Oil Water Separator	0.5m ³
Oil Dispersant System	C/W 2 x fixed off center throw nozzle

Pumps

Cargo Fuel Pump	100 m ³ / Hr. @ 75 M head,
Fresh Water Pump	100 m ³ / Hr. @ 75 M Head,
Drill Water	100 m ³ / Hr. @ 75 M head,
Bulk(rate/head)	25m ³ /hr. @ 55 m head

Accommodation (Fully Air-conditioned)

Client	16 persons (1 man x 2) = 2 + (2 men x 5) = 10 + (4 men x 1) = 4
Crew	18 persons (1 man x 2) = 2 + (2 men x 2) = 4 + (4 men x 3) = 12 (Total for 34 Persons)

Sewage Treatment for 34 persons

Safety & Fire fighting Equipment

(to Classification and SOLAS Standards)

Fi-Fi 1, Pump	2400 m ³ ,
Fire Monitor	2 X 1200 m ³ / Hr. @ 11 bar
Fire Extinguishers as per Class Requirements	
Life Rafts	6 x 15 Man
1 x Rescue Boat with outboard motor	

Fixed Fire / Detection System

Fixed H₂S detection

Deck Equipment

1 x Anchor Handling Winch, 120 Tons S.W.L	
1 x 65 Ton Hammer Head Crane @ 6 m radius	
1 x 15.0 Ton Pedestal Crane @ 3 m radius, 2.0 ton @ 16.2 m	
2 x 10 Ton Hydraulic Tugger Winch @ 15m/min.	
1 x 5 Ton Hydraulic Anchor Windlass @ 12m/min	
2 x Shark Jaw and Towing pins, Hyd. operated type	
2 x 855 kg. Anchors each, ABS certification with	
330 m x 32 mm anchor chain	
1 x Stem 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	