

VESSEL SPECIFICATIONS



Anchor Handling Tug Supply Vessel

80T BP, DP2

302 m² deck area

7,340BHP, 59.78m LOA, FIFi 1,

20 persons accommodation

MAIN CHARACTERISTICS

Vessel Name	
IMO Number	
Year Built	2009
Builder (Place built)	Dayang Shipyard, China
Flag	
Port of Registry	
Official No.	
Call Sign	
Classification Society	ABS
Class Notation	A1 E, Towing Vessel, Fire Fighting, Vessel Class 1, Offshore Support Vessel AH, AMS, DP2
Length Overall (LOA)	59.78 m
Breadth Moulded	15.00 m
Depth Moulded	5.50 m
Draft, max	4.88 m
GT/NT	1744 / 523 T
DWT at max draft	1395.1 T
Bollard Pull	80.20 M
Displacement	3131.14 T
Keel to Mast	22.81 m
TPC/FWA	7.65 T / 100 mm
Anchor Port & Stbd	12 shackles

ACCOMMODATION

Berths	4 x single cabins = 4 4 x 2 men cabins = 8 2 x 4 men cabins = 8 Total = 20 persons accommodation composed of fully air-con (1 cabin for Client's personnel)
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FUEL CONSUMPTION

At 4.9 draft

At 100% MCR	12.5 T/day at 12.0 knots
At 85% MCR	9.0 T/ day @ 11.5 knots
Economical Speed	8 T/day @ 10 knots
Type of Fuel	Marine Gas Oil

PROPULSION MACHINERY

Main Engines	4 X 1825 kW - Cummins QSK 60,480 V/60Hz
Main Propulsion	1 X 1685 kW Z Drive, fixed pitch variable speed 2 X 1685 kW Z Drive, azimuth thruster
Bow Thruster	2 x 560 kw fixed pitch variable speed (9 T each)
Emergency Generators	1 x 170 kw, Cummins Ltd

ANCHOR HANDLING / TOWING

Main Winch	1 Electro-Hydraulic High-Pressure winch, 2 Drums in waterfall arrangement. Make Plimsoll Macgregor
Drum Size	900/ 2250 mm dia x 1800 m length
Drum Capacity	1500 m x dia 57mm SWR @ 11 layers 1100 m x dia 64mm SWR @ 9 layers
Brake holding load	250T on 1st layer 2 Gypsies for 64mm & 76mm Chains
Rated Pull	150 Ton 1st layer @ 0 - 8.5 m/ min
Storage Wire Reel	813/ 2300mm Dia x 1600 mm Length
Shark Jaw	SWL 200 t
Stern Roller	1500mm Dia x 2500 mtr Length, SWL 250 t
Tugger Winches	10 mt Pull x 15 mtr/min 1st layer, Capacity 250m x 20mm dia SWR @ 8 layers
Deck Crane	1.8 T @ 6 m on port side
Towing wire	56mm x 1200mtrs, G6 x WS (36) + IWRC
Anchor Handling	64mm x 500mtrs, G6 x WS (36) + IWRC
Spare Reel	1 Spare Towing Wire
Tugger	20mm x 100 mtrs, G6 x WS(36)

CAPABILITIES & PUMP RATES

Cargo Deck Area	(24.4m x 12.4m) 302.56 m2
Deck Cargo	535 mt (max)
Fuel Oil	Fuel Oil Cargo 96% 543 m3 Fuel Oil Day 96% 32,7 m3 150 m3/h @ 70m
Fresh Water	354.52 m3 - 150 m3/h @ 70m
Drill Water	345 m3 - 150 m3/h @ 70m
Liquid Mud (8 tanks)	632 m3 - 2 x 150m3/h @ 60m
Bulk Cement	156 m3 - 50/h @ 60 m
Ballast	117 m3
Foam	19.6 m3

DYNAMIC POSITION SYSTEM (DP2)

Beier Radio	IVCS 2000 JSDP
System with Joystick, Auto track, DP, auto speed control	
2 DGPS Seastar	9205 GNSS
3 Wind Sensor	Young Wind tracker
3 Gyro Compass	Yokogawa CMZ 700B
2 VRS	Navis VRSb201(2)/811
1 Laser Ref System	Cyscan, Laser DP reference system

SPECIAL EQUIPMENT

LSA	1 Fast Rescue Boat, Norsafe, "Merlin" Waterjet/Diesel with davit 6 Life Rafts for 80 persons total, Lifebuoys, Life Jackets
FIFI Class 1	Remote controlled from Bridge
2 Monitors	X 1100 m3, 2 Pumps x 1100 m3/hr
Self-protection water spray system	

Navigation Equipment

2 Radars	Furuno FAX-28X7/FAR-21X7(-BB)series
2 Gyro Compass	Yokogawa CMZ 700B
1 Magnetic Compass	Cassens & Plath CPL10024
1 Auto Pilot	Included in DP system
1 GPS	MX 420 Navigation system
1 AIS	Furuno FA-150
2 Echo Sounder	Furuno FE-700 & Furuno DS-50
2 Anemometer	Young 85000
1 Speed Log	Furuno DS-50
4 VHF	Furuno FM8800D & ICOM IC M504
1 Weather Fax	Furuno FAX 207