

M.V. STANFORD MERMAID

5150 BHP Anchor Handling Vessel



STANFORD MARINE



PRINCIPAL PARTICULARS:

Built	2008
Flag	SVG
Class	Bureau Veritas, Class 1 Hull -1- MACH Tug Unrestricted Navigation
IMO. No.	9425033
Call Sign	J8B4259
Official No.	10732
GRT / NRT	1106 / 332

DIMENSIONS:

Length Overall	49 00 M
Length Waterline	47.50 M
Breadth Moulded	13.20 M
Depth Moulded	5.30 M
Draft (max)	4.50 M
Deck Cargo	200 M ^T
Deck Strength	7.5 MT/M ² uniform loading
Clear Deck Area	240 M ²
Deadweight	787 MT

PERFORMANCE:

Maximum Speed	13 knots
Economical Speed	10 knots

CAPACITIES

Fuel Oil	653 M ³
Fresh Water	299 M ³
Ballast/Drill Water	91 M ³
Freezer / Chiller	8 M ³ / 8 M ³
Foam / Detergent	10 M ³ / 10 M ³
Rig Chain Locker	Nil

DISCHARGE CAPABILITIES:

Fuel Oil	1 x 100 M ³ /hr a 60m head: Azcue
Fresh Water Cargo	1 x 70 M ³ /h @ 60 head: Azcue
SWB Water	1 x 50 M ³ /hr 35m head: Azcue

PROPULSION SYSTEM:

Main Engines	2 x 1920 kw (2575 bhp) @ 1600 rpm Caterpillar 3516B
Main Generators	3 x 340 low @ 1500 rpm Caterpillar 3408 c/w Leroy Sorrier LSAM47.1 L9 alternators rated at 320 Kw/415V 3 Ph/50 Hz
Emergency Generator	1 x 60 kw 452 1500 rpm Caterpillar E4.4 Rated at 60kw/1415 V\3 Ph/150 Hz
Bow Thruster	1 x 440 kw electric-driven HRP4000 tunnel type (CPP); 6T thrust
Stern Thruster	Nil
Steering Gear	2 x Kobelt; 4 TM, 2 x 35 deg rudder angle
Propulsion	2 x CPP Type with Kort Nozzle Berg
Rudders	2 x high performance streamline type

DECK EQUIPMENT:

Anchor Windlass	1 x electro-hydraulic Mentrade MM1022-HAW suit for 36 mm (0) chains rated pull 10 MT (0 9 m/min drum 400 mm (dial x 450 mm (L) rated pull 2 MT @ 10 m/min
Gypsies	
Warping	
Bow Anchors	2 x 1305 kg HHP anchors
Chains	330 m (L) x 34 mm (dia) Grade U3 (PS) 358 m(L) x 34 mm(dia) Grade U3 (STBD)
Capstan	2 x 5 MT (Cp 15m/min electro-hydraulic
Tugger Winch	2 x 10 MT 15m/min electro-hydraulic
Drum Capacity	220 M (L) x 22 mm (dial SWR
Sewage Treatment Plant	1 x 30 men/day, Wuhan Zingda
Rope Reel	1 x electro-hydraulic Mentrade HSR-5T
Suit' for	1000 M (L) x 56 mm (0) SWR
Stern Roller	4.00 M (L) x 1.80 m (dial; SWL 200 mt
Towing/AH Winch	1 x electro-hydraulic double drum
Upper Drum Cap (Tow)	800 M (L) x 56mm (0) SWR
Lower Drum Cap (AH)	100 M (L) x 56mm 10) SWR
Line Pull	150 MT @ 6.0 m/min @ 1st layer 71 MT @ 12 m/min @ 1st layer 50 MT @ 18 m/min @ 1st layer 23.5 MT @ 36 m/min @ 1st layer 165 MT @ 1st layer
Static Pull	
Brake Capacity	200 MT static @1st layer Remote control from aft control stand in w/house 4.00 M (L) x 1.80 M (dia); SWL 200 mt
Stern Roller	
Shark Jaws	1 set electro – hydraulic Karmfork – SWL 300 mt
Tow Pins	2 x electro-hydraulic with turntable top flaps 67.30T
Bollard Pull	
Deck Crane	1 x 2 MT a io m electro-hydraulic; PalSnger PK32080 MC

RADIO & NAVIGATION EQUIPMENT:

GMDSS – Area 3	2 x Radar
1 x SSB	1 x Echo Sounder
2 x Inmarsat C	1 x Gyrocompass
4 x VHF Radio	1 x Autopilot
6 x Portable VHF Radio	1 x Navtex Receiver with printer
1 x Speed log	2 x SART
1 x AIS	1 x EPIRB
Joystick	
Vessel fitted with Vingtor PA Talkbalk System & Self-Powered Telephones	

FIRE-FIGHTING EQUIPMENT & ANTI-POLLUTION EQUIPMENT EXTERNAL:

Fifi System	Class 1 with water curtain all round
Fire Pump	2 x 1540 M ³ /hr @ 13 bar Unitor SFP 250x350 driven by front PTO of MIE
Monitors - (water/foam)	1 x 300-1200 M3/hr; Unitor FFS1200LB
Monitor - (water)	1 x 1200 M ³ /hr; Unitor FFS1200LB Throw length / height 120 m / 45 m
Emergency Fire Pump	1 x 35 M ³ /hr at 50m head; Azcue
BA Recharging Comp	1 x 260 Itrs/min (fp 300bar, Colt MCH16/E-TS CO2 system engine room
Fire Detection & Alarm System in living spaces & engine room	

LSA:

Search Lights	3 x 2000 W
Floodlights	5 x 1500 W
Life rafts	4 x 15 men SOLAS Approved type
Rescue boat	1 x 6 men semi-rigid inflatable c/w 30 HP

ACCOMMODATION:

Berths	3 x 1 berth cabins = 3 2 x 2 berth cabins = 4 5 x 4 berth cabins = 20
Total	27 (All cabins fully air-conditioned & c/w attached washroom)
Hospital	1 x 1 berth cabin = 1
Office	1

OTHERS:

Mercury Outboard motor:	YAMAHA
Oily Water separator	1 x 1 M ³ /hr c/w 15 ppm alarm, Wuhan Xingda
Water Maker	1 x 5 M ³ /day Reverse Osmosis, Seany Tech
Oil Dispersant System	1 set Unitor c/w 2 spray booms