



M.V. STANFORD MERMAID

5150 BHP Anchor Handling Vessel / Fi-Fi 1

Issued: July 2026, Rev0

PRINCIPAL PARTICULARS

Year Built	2008
Builder	Shanghai Huali Shipping Co. Ltd
Flag	Saint Vincent and the Grenadines
Class	Bureau Veritas / I ✕ HULL ✕ MACH Supply Vessel Fire Fighting ship special service – Anchor Handling 1 – Water spraying Unrestricted navigation
IMO No.	9425033
Call Sign	J8B4259
Official No	10732
GRT / NRT	1106 / 332

DIMENSION

Length Overall	49.00 M
Length BP	43.30 M
Breadth Moulded	13.20 M
Depth Moulded	5.30 M
Draft	4.50 M
Lightship	1070.27 MT
Deadweight	787 MT
Displacement	1858 MT
Deck Cargo	200 MT
Clear Deck Area	240 m ²
Deck Strength	7.5 MT/m ²

SPEED

Max Speed	12.00 Knots
Service Speed	10.00 Knots

MACHINERY

Main Engines	2 x 1920 kW @ 1600 RPM (5150 BHP) Caterpillar 3516B-HD
Propulsion	2 x CPP Type with Kort Nozzle Berg
Aux. Generators	3 x 320 kW @1500 RPM Caterpillar 3408C 415V/3Ph/50Hz
Emergency Generator	1 x 60 kW @1500 RPM Caterpillar E4.4 415V/3Ph/50Hz
Bow Thruster	1 x 440 kw electric-driven HRP4000 tunnel type (CPP); 6T thrust

TOWING & ANCHOR HANDLING EQUIPMENT

Bollard Pull	67.30T
Anchors	2 x 1305 kg HHP anchors
Chains	330 m (L)x34mm (dia) GradeU3 (PS) 358 m(L)x34mm(dia) GradeU3 (STBD)
Anchor Windlass	1 x electro-hydraulic Mentrade MM1022-HAW
Tugger Winch	2 x 10 MT 15m/min electro-hydraulic Drum Capacity: 220 m x 22 mm wire
Capstan	2 x 5 MT (Cp 15m/min electro-hydraulic Drum Capacity: 520 mm
Towing/AH Winch	1 x electro-hydraulic double drum
Drum Capacity	1,000 m x 56 mm wire (Towing/AH)
Drum Pull	5 MT @ 30 m/min 150 MT @ 0–6 m/min 71 MT @ 0–12 m/min 50 MT @ 0–18 m/min 23.5 MT @ 0–26 m/min
Line Pull	
Static Pull	165 MT @ 1st layer
Brake Capacity	200 MTstatic @1st layer Remote control
Stern Roller	4.00 M (L) x 1.80 m (dia); SWL 200 mt
Shark Jaws	1 set electro – hydraulic Karmfork – SWL 300 mt
Tow Pins	2 x electro-hydraulic with turntable top flaps SWL 300 MT
Deck Crane	1 x 2.2 MT Electro-Hydraulic Telescopic Knuckle Boom Palfinger PK32080

Specifications are provided in good faith, subject to change, and without liability for errors or omissions.

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CAPACITIES

Fuel Oil	640 m ³
Fresh Water	299 m ³
Ballast/Drill Water	91 m ³
Freezer / Chiller	8 m ³ / 8 m ³
Foam / Detergent	11 m ³ / 11 m ³
Lube Oil	7 m ³
Sludge/Dirty Oil	11 m ³

PUMPS

Fuel Oil	1 x 100 m ³ /hr @60m head: Azcue
Fresh Water Cargo	1 x 70 m ³ /h @60m head: Azcue
SWB Water	1 x 50 m ³ /hr @35m head: Azcue
Sludge/Dirty Oil	1 x 2 m ³ /hr
Grey Water Pump	1 x 25 m ³ /hr @40m head

ACCOMODATION (Fully Air-Conditioned)

One-man cabin	3
Two-men cabin	2
Four-men cabin	5
Total	27 Berths
Hospital	1 no. with 1 bed
Office	1 no.

AUXILIARY EQUIPMENT

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, Seanly Tech
Sewage Treatment Plant	Suitable for 36 men / 2.52 m ³ /day

LIFE-SAVING APPLIANCES

Rescue Boat	1 x 6 men semi-rigid inflatable c/w 30 HP with launching and recovery davit electric motor driven
Life Rafts	4 x 15-person DLR-A15
Medical Oxygen	8 cylinders
EEBD	6 nos. for all for crew

NAVIGATION & COMMUNICATION EQUIPMENT

GMDSS: A1, A2, A3	
SSB Radio (MF/HF)	1 x Samyung SRG-1150DN MF/HF DSC
VHF Radios	2 x Furuno FM-8800S DSC
Inmarsat-C	1 x Furuno Felcom 15 with SSAS 1 x Furuno Felcom 15 with LRIT
NAVTEX	1 x Furuno NX-700
AIS	1 x Furuno FA-150 Class A
EPIRB	1 x JRC NEB-2000 EPIRB
SART	2 x McMurdo S4
Portable VHF	2 x McMurdo R2 GMDSS 1 x Samyung STV-160
SSAS	2 x Furuno IC-307
Radar	1 x Furuno X-Band 21 inch display ARPA 1 x Furuno X-Band 15 inch display ATA/EPA
Gyro Compass	1 x Digital Gyro, KEIKI TG-8000 (Master), with 2 repeaters
Magnetic Compass	1 x Cassen & Plat
Echo Sounder	1 x Furuno FE-700
Speed Log	1 x Furuno DS-80
Autopilot	1 x Anchutz NP-60
BNWAS	1 x Samyung BNW-50
CCTV	3 x CCTV Hikvision (Optional)

FIRE FIGHTING SYSTEM

FiFi System	Class 1
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 m ³ /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 ltrs/min (fp 300bar, Colt MCH16/E-TS CO2 system engine room
Fire Detection & Alarm System in living spaces & engine room	

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