

M.V. STANFORD ALPHA

5150 BHP Anchor Handling / Supply Vessel / BP 60 T



STANFORD MARINE



PRINCIPAL PARTICULARS

Year Built	:	2008
Flag	:	Panama
Class	:	ABS + A1E, Towing Vessel, Fire Fighting Vessel Class 1, Offshore Support Vessel (AH), E, AMS
IMO No.	:	9489455
Call Sign	:	3E2748
Official No.	:	53907-23-A
GRT/ NRT	:	1678/ 503

DIMENSION

Length Overall	:	59.25 M
Breadth Moulded	:	14.95 M
Depth Moulded	:	6.10 M
Draft	:	4.95 M

SPEED

Max. Speed	:	12 knots
Economical Speed	:	10 knots

CAPACITIES

Fuel Oil	:	536 M3
Fresh Water	:	372 M3
Ballast/Drill Water	:	396 M3
Liquid Mud	:	420 M3
Cement Tank	:	187 M3 (4X 1650 ft3)
Foam/ Detergent	:	12 M3 / 12 m3
Deck Cargo	:	500 MT
Clear Deck Area	:	350 M2
Deck Strength	:	7.5 MT/M2
Deadweight	:	1400 MT @ 4.95m draft
Freezer / Chiller	:	10 M3 / 10 M3

PUMPS

Fuel Oil	:	1 x 150 M3/hr @75m head
Fresh water cargo	:	1 x 125 M3/hr @ 75m head
Drill Water/ W. Ballast	:	1 x 100 M3/hr @ 75m head
Liquid Mud	:	2 x 70 M3/min @ 85 psi
Bulk Cement	:	2 x 13 M3//min @ 80 psi

TOWING & ANCHOR HANDLING EQUIPMENT

Bollard Pull	:	65 MT
Anchor Windlass	:	1 x electro-hydraulic HAW: Mentrade
Drum	:	2
Gypsies	:	36 mm (Ø) chains rated pull 10 mt @9 m/min
Warping Drum	:	400 mm (dia) x 450 mm (L)
Bow Anchors	:	2 x 1305 kg HHP anchors
Anchor Chain	:	660 m (L) x 36 mm (dia) Grade U2 3a
Capstan	:	2 x 5 mt @ 15m/min electro-hydraulic Head size 400 mm (dia)

TOWING & ANCHOR HANDLING EQUIPMENT:

Tugger Winch	:	2 x 10 MT @ 15m/min electro-hydraulic
Drum capacity	:	220m (L) x 22 mm (dia) SWR
Towing/AH Winch	:	1 x electro-hydraulic double drum AHTW
Upper Drum Cap (Tow)	:	1000 m(L) x 56 mm (Ø) SWR
Lower Drum Cap (AH)	:	1000 m(L) x 56 mm (Ø) SWRO
Line Pull	:	150 MT @ 6.0 m/min at 1st layer 71 MT @ 12m/min at 1st layer 50 MT @ 18m/min at 1st layer 23.5 MT@ 36 m/min at 1st layer
Brake Holding	:	200 MT static @ 1st layer
Rope reel	:	1 x 5 MT @ 30 m/min; electro- hydraulic suit for 1000 m (L) x 56mm (Ø) SWR
Stern Roller	:	4.50 m (L) x 1.60 m (dia): SWL 200mt
Shark jaws	:	1 x electro-hydraulic Kamfork –SWL 300 mt
Tow Pins	:	2 x electro-hydraulic with turntable top flaps

PROPULSION SYSTEM:

Main Engines	:	2 X 2575 bhp @ 1600 Caterpillar 3516B
Propellers	:	2 X CPP Type with kort Nozzle
Bow Thruster	:	1 X 371 KW electric-driven Kamone
tunnel type (CPP)	:	Thrust 58.5 kN (6,000 kgf)
Steering Gear	:	2 X 4.5 tm / 35 deg rudder angle
Rudders	:	2 X high performance streamline type
Main Generators	:	3 X Volvo D16 MG HE @ 1500 rpm driving Stamford alternator HCM 534D-1 rated at 340 Kw/415 V/50 Hz/3 Ph
Emergency Generator	:	1 X Volvo D 5A T @ 1500 rpm driving Stamford alternator UCM274C-1 rated at 62 kW/415 V/50 Hz/3 Ph.

RADIO AND NAVIGATION EQUIPMENT :

GMDSS (Area 3)	1 x EPIRB	1 x Weather Fax
1x SSB	3 x Portable VHF Radios	1 x Speed Log
1 x Marine Radar	1 x X- Band APRA Radar	1 x AIS
1 x Inmarsat C	1 x Echo Sounder	
2 x VHF Radio	1 x DGPS	
Joystick (MT Bridge Mate JX)	1 x Gyrocompass	
1 x Navtex Receiver	1 x Autopilot	
2 x SART	1 x Magnetic Compass	
Vessel fitted w/t Vingtor PA talkback system & self powered telephones		

ACCOMODATION:

Berths	:	4 x 1 berth cabins = 4 3 x 2 berth cabins= 6 8 x 4 berth cabins= 32
Hospital	:	1 berth cabin
All cabin fully Air-conditioned & c/w attached washroom		

FIRE FIGHTING & LSA EQUIPMENT:

FiFi System	:	Class 1 with water curtain all around
Fire Pump	:	2 x 1550 M ³ /hr @ 13 bar
Monitors	:	(water/foam): 1 x 300-1200 m3/hr (water): 1 x 1200 m3/hr
Oil Dispersant System	:	1 set c/w 2 spray booms 6m (6 nozzles each)
Emergency Fire Pump	:	1 x 35 M ³ /hr a\ 50m head

LIFE SAVING & OTHERS:

Search Lights	:	3 x 2000 W
Floodlights	:	5 x 1000 W
Life rafts	:	6 x 25 men SOLAS A type
Rescue Boat	:	1 x 6 men rigid boat c/w outboard motor
Oily water Separator	:	1 x 1 M ³ /hr
Sewage treatment	:	1 x 40 men/day