

STANFORD ALPHA

5150 BHP Anchor Handling / Supply Vessel



PRINCIPAL PARTICULARS:

Year Built	:	2008
Call sign	:	9WNH8
Official No. / IMO No.	:	900075/ 9489455
Class	:	ABS + A1E " Offshore Support Vessel & Fire Fighting Vessel Class 1+AMS
Flag	:	Labuan, Malaysia
GRT/ NRT	:	1678/ 503

DIMENSION:

Length Overall	:	59 M
Breadth Moulded	:	14.95 M
Depth Moulded	:	6.10 M
Draft	:	4.95 M

SPEED:

Max. Speed	:	13 knots
Economical Speed	:	10 knots
Fuel Consumption	:	19M ³ /24 hours @ max speed 12 M ³ /24 hours @ eco speed

CAPACITIES:

Fuel Oil	:	536 M ³
Fresh Water	:	372 M ³
Ballast/Drill Water	:	396 M ³
Liquid Mud	:	420 M ³
Cement Tank	:	187 M ³ (4X 1650 ft ³)
Foam/ Detergent	:	12 M ³ / 12 m ³
Deck Cargo	:	500 MT
Clear Deck Area	:	350 M ²
Deck Strength	:	7.5 MT/M ²
Deadweight	:	1400 MT @ 4.95m draft
Freezer / Chiller	:	10 M ³ / 10 M ³

PUMPS:

Fuel Oil	:	1 x 150 M ³ /hr @ 75m head
Fresh water cargo	:	1 x 125 M ³ /hr @ 75m head
Drill Water/ W. Ballast:	:	1 x 100 M ³ /hr @ 75m head
Liquid Mud	:	2 x 70 M ³ /min @ 85 psi (SG 2.5 max)
Bulk Cement	:	2 x 13 M ³ //min @ 80 psi (5.6 kg/cm ²)

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	:	440 m (L) x 36 mm (dia) Grade U2
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

MACHINERY:

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)
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)	:	1x SSB
1 x Marine Radar	:	1 x Inmarsat C
2 x VHF Radio	:	Joystick (MT Bridge Mate JX)
1 x Navtex Receiver	:	1 x SART
1 x EPIRB	:	3 x Portable VHF Radios
1 x X- Band APRA Radar	:	1 x Echo Sounder
1 x DGPS	:	1 x Gyrocompass
1 x Autopilot	:	1 x Magnetic Compass
1 x Weather Fax	:	1 x Speed Log
1 x AIS DP enabled (MT Bridge Mate DP1)	:	
Vessel fitted w/t Vingtor PA talkback system & self powered telephones		

ACCOMODATION:

Berths	:	2 x 1 berth cabins = 2 4 x 2 berth cabins= 8 8 x 4 berth cabins= 32 42
Total	:	42
Hospital	:	1 x 2 berth cabin= 2
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 (water/foam): 1 x 300-1200 m ³ /hr (water): 1 x 1200 m ³ /hr
Monitors	:	
Oil Dispersant System	:	1 set c/w 2 spray booms 6m (6 nozzles each)
Emergency Fire Pump	:	1 x 35 M ³ /hr a\t 50m head
BA Recharging Comp	:	1 x 260 m ltrs/min @ 300bar

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