



HAVYARD 844-XL AHTS

Vessel Characteristics

Length, Overall:	301.8 ft	92 m					
Beam:	72.2 ft	22 m					
Depth:	29.5 ft	9 m					
Maximum Draft:	24.6 ft	7.5 m					
Freeboard:	4.9 ft	1.5 m					
Displacement:	9,950 lt	10,110 mt					
Deadweight:	4,470 lt	4,550 mt					
Clear Deck Space:	118 x 59 ft	36 x 18 m					
Clear Deck Area:	6,980 ft²	650 m ²					
Deck Strength AFT:	2,050 lb/ft²	10 t/m²					
Class Notations:	DNV: +1A, Fire fighter(I), Offshore service vessel(Anchor handling, Towing), Clean, DYNPOS(AUTR), E0, Ice(C),						

Capacities

Deck Cargo:	1,480 lt	1,500 t
Fuel Oil:	482,000 gal	1,820 m³
Potable Water:	51,800 gal	200 m ³
Fresh Water:	306,000 gal	1,160 m³
Drill/Ballast Water:	783,000 gal	2,970 m ³
Bulk Tanks (4 tanks):	8,340 ft³	240 m³
Liquid Mud (2.5 SG*): *Max Structural Specific Gravity	5,410 bbl	860 m ³
Base Oil:	2,860 bbl	450 m ³
Oil Dispersant:	4,580 gal	17.3 m ³

TIDEWATER

Find out more

Pg.2 Further Specifications Pg.4 General Arrangement

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Pg.5 Capacity Table Pg.6 DP Capability Plot

Further specifications



Machinery

Main Engines (4):			MAN 9L27/38			
Total HP:			17,600			
Propellers (2):	MAN CPI					
Gears (2):	RRM SV650-FC					
Kort Nozzles:	2					
Rudders (2):	RRM HIGH LIFT					
Primary Generators (1):	1,360 kw	440 v	60 hz			
Driven by:			CAT 3512B			
Secondary Generators (2):	2,800 kw	440 v	60 hz			
Driven by:	MAIN ENGIN					
Emergency Generators (1):	350 kw	440 v	60 hz			
Driven by:			CAT C18			
Bow Thruster (3):		OLL FU-80-LTO JNVOLL AR-63-				
Driven by:	880KW ELECTRIC MOTORS					
Total Thrust:		44.2 st	40.1 mt			
Stern Thruster (2):	BRUNVOLL FU-80-LTC-2000 CP T					
Driven by:		880KW ELECTRIC MOTORS				
Total Thrust:		29.5 st	26.8 mt			

Performance*

Fuel Consumption Vs Speed							
Maximum:	45 m³/day (500 gph) @ 14 knots						
Cruising:	32 m	³ /day (350 gph) @ 13 knots					
Economical:	24 m ⁻	3/day (260 gph) @ 10 knots					
Standby:	1.8 m³/day (19.8 gph) @ 0 knots						
Bollard Pull	250 st	220 mt					
Transfer Rates							
Fuel Oil:	660 gpm @ 300 ft	150 m³/h @ 92 m					
Fresh Water:	660 gpm @ 300 ft	150 m³/h @ 92 m					
Drill/Ballast Water:	660 gpm @ 300 ft	150 m³/h @ 92 m					
Bulk:	34.7 cfm @ 190 ft	59 m³/h @ 57 m					
Liquid Mud:	330 gpm @ 660 ft	75 m³/h @ 180 m					
Base Oil:	660 gpm @ 300 ft	150 m³/h @ 92 m					

Tow/Anchor Handling

Winch:	Double Drum Winch with Special Handling Drum (500T) (600T Brake)
Model:	RRM Brattvagg
Line Pull:	400 mt
Tow/AH Wire:	3,200 m / 4,100 m of 76 mm
Work Wire:	13,600 m of 76 mm
Secondary Winch (2):	RRM Brattvagg (210T Brake)
Line Pull:	170 mt
Tow Wire:	2,500 m of 160 mm
Pennant Reels (1):	1,500 m of 76 mm
Shark Jaw:	2 X RRM 600 T SWL
Tow Pins:	4 X RRM 400 T MWL
Chain Lockers (4):	8,000 m of 76mm chain
Chain Handler:	2X76 MM + 2X84 MM
Stern Roller:	2 X RRM (3 X 4.5 M); 750 mt SWL
Misc. Tow Equipment:	Stop Pins: 2xRRM 100 t SWL, 1x300 t Smit Towing Bracket; Centering Device: 2xRRM 45 t SWL

Nav/Comms Equipment

Radar(s):	2
Depth Sounder:	1
Gyro Compass:	3
Wind Seeed Indicators:	3
Doppler Log:	1
Radio:	2 x VHF
Sat Com:	VSAT/FBB

Accommodations

No. of Berths:	37
Cabins:	29x1-man & 4x2-man
Certified to Carry:	37
Galley seating:	24
Hospital:	Yes

Deck Equipment

Anchors (2):	4320 KG SPEK TYPE
Anchor Chain:	380 m of 50 mm chain per side
Windlass:	RRM Windlass/Mooring Winch LBFMX22050
Crane (2):	5 t @ 10 m
Aux Crane (1):	5 t @ 15 m
Capstans (2):	15 t RRM
Tugger (2):	24 t RRM
Aux Tugger (1):	17 t RRM (FWD)

^{*}Approximate values assuming Ideal Conditions

Further specifications



Registration

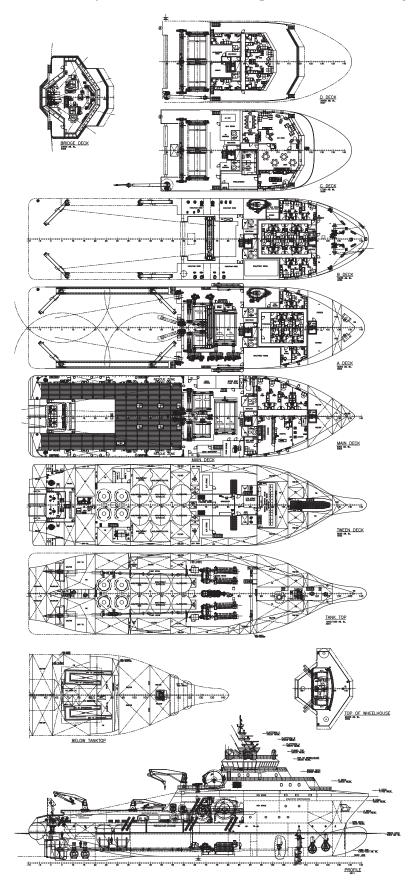
Flag: SINGAPORE	Hom	ne Port: SINGAPORE
Hull Number: 630		IMO N^o: 9631400
Year Built: 2013		Call Sign: 9V9508
Builder:	Singapore Tech	nnologies Marine Ltd.
Tonnage (ITC):	6641 GT	1992 NT

Special Equipment

Fire Fighting:	FIFI-1
Dynamic Positioning:	DP-2
Ref. Systems:	3 x MRU; 2 x DGPS 1 x Microwave-based; 1 x Laser-based
Mud Circulation System:	Yes
Rescue Zone:	Yes
Rescue Boat:	Maritime Partner MP660 Springer, 10-Man
Fuel Monitoring:	FUELTRAX
SPS Compliant:	Yes
Misc:	ROV Garage (L \times W \times H: 9 \times 5 \times 5.5 m); 1x200 MT RRM Anchor Recovery Frame; MSD - 55 Persons; HiPAP Ready

General Arrangement (Current configuration may vary.)





Capacity Table



Tank	Contents	Volume m ³	Base Oil	Fuel Oil	Dry Bulk	DW/WB	Potable Water	Fresh Water	Brine	Liquid Mud	Methanol	Lube Oil	Foam	Oil Disp.
1 DW/WB TK	DW/WB	285.2				285.2								
2 DW/WB TK	DW/WB	291.6				291.6								
3 DW/WB TK	DW/WB	291.8				291.8								
17 DW/WB TK	DW/WB	154.8				154.8								
18 DW/WB TK 20 DW/WB TK	DW/WB	155.0 211.0				155.0 211.0								
21 DW/WB TK	DW/WB	211.0				211.0								
22 DW/WB TK	DW/WB	62.8				62.8								
35 DW/WB TK	DW/WB	96.7				96.7								
40 DW/WB TK	DW/WB	82.5				82.5								
41 DW/WB TK	DW/WB	82.5				82.5								
72 CL/WB TK	DW/WB/CL	156.3				156.3								
73 CL/WB TK	DW/WB/CL	156.3				156.3								
81 DW/WB TK	DW/WB	96.7				96.7								
82 DW/WB TK	DW/WB	96.7				96.7								
104 DW/WB TK	DW/WB	96.7				96.7								
157 DW/WB TK	DW/WB	149.7				149.7								
158 DW/WB TK	DW/WB	149.7				149.7								
161 DW/WB TK	DW/WB	69.1				69.1								
162 DW/WB TK	DW/WB	69.1				69.1								
8 FW TK	FW	169.9						169.9						
9 FW TK	FW	104.4						104.4						
14 FW TK	FW	196.0						196.0						
15 FW TK	FW	203.8						203.8						
23 FW TK	FW	183.3						183.3						
24 FW TK	FW	183.3						183.3						
29 FW TK	FW	59.2						59.2						
30 FW TK	FW SHUBIC FW	59.2					00.4	59.2						
155 FW TK	SHIP'S FW	98.1					98.1							
156 FW TK 4 FO TK	SHIP'S FW FO	98.1 206.1		206.1			98.1							
5 FO TK	FO	206.1		206.1										
33 FO TK	FO	133.3		133.3										
34 FO TK	FO	133.3		133.3										
57 FO SERVICE TK	FO	31.8		31.8										
58 FO SERVICE TK	FO	31.8		31.8										
59 FO SETTLING TK	FO	26.1		26.1										
60 FO SETTLING TK	FO	26.1		26.1										
61 FO/BO TK	FO/BO	112.5	112.5	112.5										
62 FO/BO TK	FO/BO	112.5	112.5	112.5										
63 FO/BO TK	FO/BO	114.9	114.9	114.9										
64 FO/BO TK	FO/BO	114.9	114.9	114.9										
86 FO TK	FO	98.7		98.7										
87 FO TK	FO	114.8		114.8										
159 FO TK	FO	82.1		82.1										
160 FO TK	FO	82.1		82.1										
66 MUD TK	LM/BR/GLY	83.5								83.5				
67 MUD TK	LM/BR/GLY	83.5								83.5				
68 MUD TK	LM/BR/GLY	82.6								82.6				
69 MUD TK	LM/BR/GLY	82.6								82.6				
74 MUD/CL TK	LM/BR/GLY/CL	156.3								156.3				
75 MUD/CL TK	LM/BR/GLY/CL	156.3								156.3				
76 MUD/FO TK	LM/BR/GLY/FO	156.3		156.3						156.3				
77 MUD/FO TK	LM/BR/GLY/FO	156.3		156.3						156.3				
CEMENT TANK 1	DRY BULK	59.0												
CEMENT TANK 2	DRY BULK	59.0												
CEMENT TANK 3	DRY BULK	59.0												
CEMENT TANK 4 19 LO SPARE TK	DRY BULK LO	59.0 5.8										5.8		
32 LO BOW THR	LO	3.2										3.2		
39 LO STERN THR	LO	2.4										2.4		
53 LO MAIN ENG	LO	8.5										8.5		
71 LO STERN TUBE	LO	4.7										4.7		
44 DISP TK	DISP.	17.3												17.3
DIOI 110	51011	1710												1710
		lume [m³]		-	0.0	2,965.2		1,159.0	0.0	957.6	0.0	24.6	0.0	17.3
*Capacities shown are for lead	Spec Sheet Total Vo			•	0.0	2,965.2	196.2	1,159.0	0.0	957.6	0.0	24.6	0.0	17.3

Capacities shown are for lead vessel. Actual capacities may vary slightly.

^{*}Capacities shown in RED are excluded from the total volume.

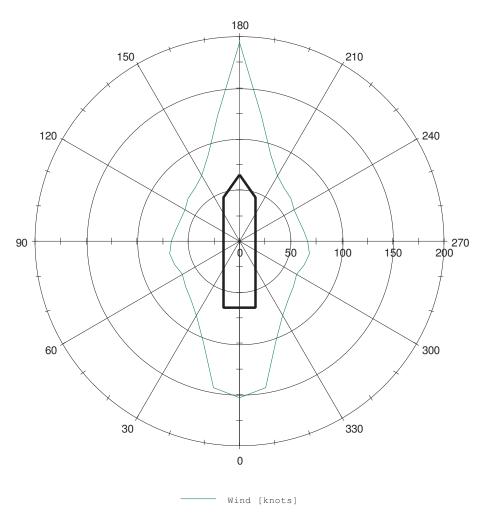
 $^{{}^{*}\}text{Capacities}$ shown in **BLUE** are included in another Tank's Capacity.

 $^{{}^{\}star}$ Capacities shown in GREEN are counted for multiple Tank Capacities.

DP Capability Plot



Run: 1 Knots



External: Variable wind velocity rotating 360 deg 1.01 knots wind generated current rotating 360 deg Variable wave height fixed at 0.0 deg