



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:	4,480 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), Of handling, Towing), Tug, Clea	fshore service vessel(Anchor an, DYNPOS(AUTR), E0,

Capacities

Deck Cargo: 1,48	0 lt 1,500 t
Fuel Oil: 482,000	gal 1,820 m ³
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 m³
Oil Dispersant: 4,580	gal 17.3 m ³

TIDEWATER

Find out more

Pg.4 General Arrangement

Pg.2 Further Specifications Pg

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 CPP			
Gears (2):		RR	M SV650-FCP			
Kort Nozzles:						
Rudders (2):	RRM HIGH LIF					
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:		M	IAIN ENGINES			
Emergency Generators (1):	350 kw	440 v	60 hz			
Driven by:			CAT C18			
Bow Thruster (3):	2XBRUNVOLL FU-80-LTC-2000 CP T 1XBRUNVOLL AR-63-LNC-1650 D					
Driven by:	880KW ELECTRIC MOTORS					
Total Thrust:		44.2 st	40.1 mt			
Stern Thruster (2):	BRUN	VOLL FU-80-LT	C-2000 CP TT			
Driven by:		880KW ELEC	TRIC MOTORS			
Total Thrust:		29.5 st	26.8 mt			

Performance*

Fuel Consumption Vs Speed						
Maximum:	45 m³/day (500 gph) @ 14 knots					
Cruising:	32 m³/day (350 gph) @ 13 knots					
Economical:	24 m³/day (260 gph) @ 10 knots					
Standby:	1.8 m³/day (19.8 gph) @ 0 knots					
Bollard Pull	250 st	230 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
Model:	(500T) (600T Brake) 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

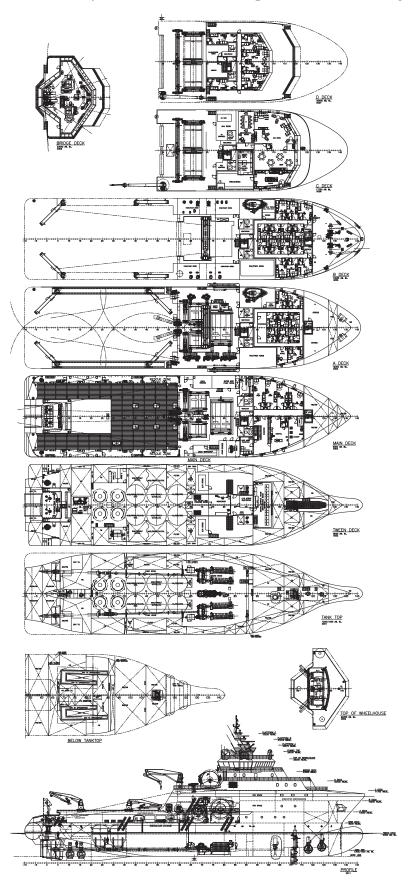
Flag: SINGAPORE	Hon	ne Port: SINGAPORE
Hull Number: 629		IMO N^o: 9631395
Year Built: 2013		Call Sign: 9V9505
Builder:	Singapore Tech	nnologies Marine Ltd.
Tonnage (ITC):	6641 GT	1992 NT

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
SPS Compliant:	Yes
Misc:	ROV Garage (L \times W \times H: 9 \times 5 \times 5.5 m); 1 \times 200 MT RRM Anchor Recovery Frame; MSD - 55 Persons; HiPAP Ready

General Arrangement (Current configuration may vary.)





Capacity Table



2 DW/WB TK 3 DW/WB TK 17 DW/WB TK 18 DW/WB TK 20 DW/WB TK 21 DW/WB TK 22 DW/WB TK 35 DW/WB TK 40 DW/WB TK 41 DW/WB TK 41 DW/WB TK 41 DW/WB TK 52 CL/WB TK 61 DW/WB TK 62 DW/WB TK 64 DW/WB TK 65 DW/WB TK 66 DW/WB TK 67 DW/WB TK 68 DW/WB TK 69 DW/WB TK 69 DW/WB TK 61 DW/WB TK 61 DW/WB TK 61 DW/WB TK 62 DW/WB TK 63 FW TK 64 FW TK 65 FW TK 65 FW TK 66 FW TK 67 FO SERVICE TK 68 FO SERVICE TK 69 FO SETTLING TK 60 FO SETTLING TK 61 FO/BO TK 64 FO/BO TK 65 FO TK 66 FO TK 66 FO TK 66 MUD TK 67 MUD TK	DW/WB FW FW FW FW FW FW FW FFW FFW FFW FFW	285.2 291.6 291.8 154.8 155.0 211.0 211.0 62.8 96.7 82.5 82.5 156.3 96.7 96.7 96.7 149.7 69.1 169.9 104.4 196.0 203.8 183.3 183.3 183.3 183.3 183.3				285.2 291.6 291.8 154.8 155.0 211.0 62.8 96.7 82.5 156.3 156.3 96.7 96.7 96.7 96.7 149.7 69.1		169.9 104.4 196.0 203.8 183.3						
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5 FO TK 33 FO TK 34 FO TK 57 FO SERVICE TK 58 FO SERVICE TK 59 FO SETTLING TK 60 FO SETTLING TK 61 FO/BO TK 62 FO/BO TK 64 FO/BO TK 65 FO TK 86 FO TK 87 FO TK 159 FO TK 66 MUD TK LIN 67 MUD TK LIN LIN	FO	206.1					98.1							
33 FO TK 34 FO TK 57 FO SERVICE TK 58 FO SERVICE TK 59 FO SETTLING TK 60 FO SETTLING TK 61 FO/BO TK 62 FO/BO TK 63 FO/BO TK 64 FO/BO TK 86 FO TK 87 FO TK 159 FO TK 160 FO TK 66 MUD TK LIN 67 MUD TK LIN				206.1										
34 FO TK 57 FO SERVICE TK 58 FO SERVICE TK 59 FO SETTLING TK 60 FO SETTLING TK 61 FO/BO TK 62 FO/BO TK 63 FO/BO TK 64 FO/BO TK 86 FO TK 87 FO TK 159 FO TK 160 FO TK 66 MUD TK LN 67 MUD TK LN	FO	422.2		206.1										
57 FO SERVICE TK 58 FO SERVICE TK 59 FO SETTLING TK 60 FO SETTLING TK 61 FO/BO TK 62 FO/BO TK 63 FO/BO TK 64 FO/BO TK 86 FO TK 87 FO TK 159 FO TK 160 FO TK 66 MUD TK LIN 67 MUD TK LIN		133.3		133.3										
58 FO SERVICE TK 59 FO SETTLING TK 60 FO SETTLING TK 61 FO/BO TK 62 FO/BO TK 63 FO/BO TK 64 FO/BO TK 86 FO TK 87 FO TK 159 FO TK 160 FO TK 66 MUD TK LIN 67 MUD TK LIN	FO	133.3		133.3										
59 FO SETTLING TK 60 FO SETTLING TK 61 FO/BO TK 62 FO/BO TK 63 FO/BO TK 64 FO/BO TK 86 FO TK 87 FO TK 159 FO TK 160 FO TK 66 MUD TK LIN 67 MUD TK LIN	FO	31.8		31.8										
60 FO SETTLING TK 61 FO/BO TK 62 FO/BO TK 63 FO/BO TK 64 FO/BO TK 86 FO TK 87 FO TK 159 FO TK 160 FO TK 67 MUD TK LN	FO	31.8		31.8										
61 FO/BO TK 62 FO/BO TK 63 FO/BO TK 64 FO/BO TK 86 FO TK 87 FO TK 159 FO TK 160 FO TK 66 MUD TK LN 67 MUD TK LN	FO	26.1		26.1										
62 FO/BO TK 63 FO/BO TK 64 FO/BO TK 86 FO TK 87 FO TK 159 FO TK 160 FO TK 66 MUD TK LN 67 MUD TK LN	FO TO TO	26.1	440.5	26.1										
63 FO/BO TK 64 FO/BO TK 86 FO TK 87 FO TK 159 FO TK 160 FO TK 66 MUD TK LN 67 MUD TK LN	FO/BO	112.5	112.5 112.5	112.5 112.5										
64 FO/BO TK 86 FO TK 87 FO TK 159 FO TK 160 FO TK 66 MUD TK LN 67 MUD TK	FO/BO	112.5 114.9	114.9	114.9										
86 FO TK 87 FO TK 159 FO TK 160 FO TK 66 MUD TK LN 67 MUD TK LN	FO/BO	114.9	114.9	114.9										
87 FO TK 159 FO TK 160 FO TK 66 MUD TK LN 67 MUD TK LN	FO	98.7	114.5	98.7										
159 FO TK 160 FO TK 66 MUD TK LN 67 MUD TK LN	FO	114.8		114.8										
66 MUD TK LN 67 MUD TK LN	FO	82.1		82.1										
66 MUD TK LN 67 MUD TK LN	FO	82.1		82.1										
	I/BR/GLY	83.5								83.5				
00 14115 214	I/BR/GLY	83.5								83.5				
	I/BR/GLY	82.6								82.6				
	I/BR/GLY	82.6								82.6				
	BR/GLY/CL	156.3								156.3				
	BR/GLY/CL	156.3								156.3				
	BR/GLY/FO	156.3		156.3						156.3				
	BR/GLY/FO	156.3		156.3						156.3				
	RY BULK	59.0 59.0												
	RY BULK RY BULK	59.0												
	RY BULK	59.0												
19 LO SPARE TK	LO	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
Snor S		lume [m³]		-	0.0	2,965.2 2,965.2		1,159.0 1,159.0	0.0	957.6 957.6	0.0	24.6 24.6	0.0	17.3 17.3

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

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

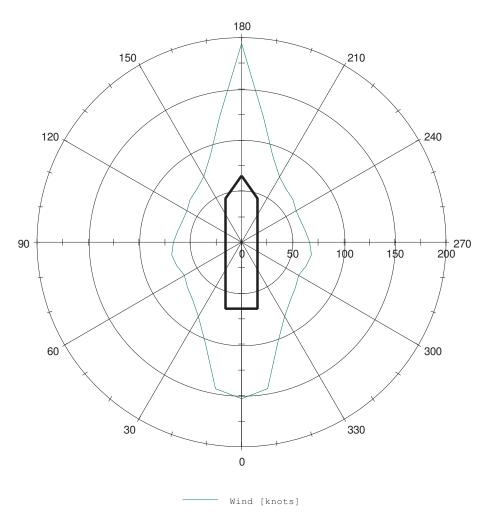
^{*}Capacities shown in **BLUE** are included in another Tank's Capacity.

 $^{{}^{\}star}$ 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