



## REMONTOWA 120T ANCHOR HANDLING TOWING SUPPLY VESSEL

### Vessel Characteristics

Length, Overall:	229.7 ft	70 m
Beam:	50.9 ft	15.5 m
Depth:	21.7 ft	6.6 m
Maximum Draft:	16.7 ft	5.1 m
Minimum Height:	75.8 ft	23.1 m
Freeboard:	4.9 ft	1.5 m
Displacement:	3,970 lt	4,030 mt
Deadweight:	2,010 lt	2,050 mt
Clear Deck Space:	117 x 39 ft	36 x 12 m
Clear Deck Area:	4,500 ft <sup>2</sup>	420 m <sup>2</sup>
Deck Strength AFT:	1,020 lb/ft <sup>2</sup>	5 t/m <sup>2</sup>
Class Notations:	ABS: +A1, (E), OSV AH, FFV-1, +AMS, +DPS-2, TOWING VESSEL	

### Capacities

Deck Cargo:	940 lt	960 t
Fuel Oil:	203,000 gal	770 m <sup>3</sup>
Potable Water:	26,200 gal	99.1 m <sup>3</sup>
Fresh Water:	135,000 gal	510 m <sup>3</sup>
Drill/Ballast Water:	216,000 gal	820 m <sup>3</sup>
Bulk Tanks (4 tanks):	6,840 ft <sup>3</sup>	190 m <sup>3</sup>
Liquid Mud (2.4 SG*):	2,990 bbl	480 m <sup>3</sup>
*Max Structural Specific Gravity		

## TIDEWATER

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Pg.2 Further Specifications  
Pg.4 General Arrangement

Pg.5 Capacity Table  
Pg.6 DP Capability Plot



Machinery

Main Engines (2):	EMD 20-710-G7B		
Total HP:	10,000		
Propellers (2):	CPP; 3400 mm; SCANA VOLDA		
Gears (2):	SCANA VOLDA		
Kort Nozzles:	2		
Rudders (2):	HIGH LIFT		
Primary Generators (2):	250 kw	440 v	60 hz
Driven by:	Scania GASI 12-07		
Secondary Generators (2):	1,720 kw	440 v	60 hz
Driven by:	SHAFT		
Emergency Generators (1):	150 kw	440 v	60 hz
Driven by:	Scania GASI 7-06E		
Bow Thruster (2):	BRUNVOLL TT CPP		
Driven by:	789 HP Motor		
Total Thrust:	19.7 st	17.9 mt	
Stern Thruster (1):	BRUNVOLL TT CPP		
Driven by:	789 HP Motor		
Total Thrust:	9.8 st	8.9 mt	

Performance\*

Fuel Consumption Vs Speed		
Maximum:	32.5 m³/day (360 gph) @ 14 knots	
Cruising:	23.2 m³/day (250 gph) @ 12 knots	
Economical:	15 m³/day (160 gph) @ 8 knots	
Standby:	1.3 m³/day (14 gph) @ 0 knots	
Range @ 12 Knots:	10,200 nm	
Bollard Pull	140 st	120 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:	28.5 cfm @ 200 ft	48.4 m³/h @ 61 m
Liquid Mud:	660 gpm @ 470 ft	150 m³/h @ 140 m

Tow/Anchor Handling

Winch:	2 DRUM LP HYD (400T BRAKE)
Model:	RRM-BRATTVAAG SL 300W/BSL300W
Line Pull:	300 mt
Tow/AH Wire:	1,750 m / 1,750 m of 72 mm
Pennant Reels (1):	1,500 m of 72 mm
Shark Jaw:	2X KARMOY 300 MT
Tow Pins:	2X KARMOY 160 MT
Chain Lockers (2):	1,220 m of 76mm chain
Chain Handler:	2X 3IN
Stern Roller:	RRM 4M X 2.5M DIA.; 400 mt SWL

Nav/Comms Equipment

Radar(s):	2
Depth Sounder:	1
Cyro Compass:	2
Wind Seed Indicators:	2
Doppler Log:	1
Radio:	3 x VHF; 1 x SSB
Sat Com:	1XINMARSAT-C; V-SAT

Accommodations

No. of Berths:	28
Cabins:	2x1-man, 9x2-man & 2x4-man
Certified to Carry:	28
Galley seating:	14
Hospital:	Yes

Deck Equipment

Anchors (2):	2100 KG SPEK
Anchor Chain:	270 m of 40 mm chain per side
Windlass:	RRM (BRATTVAAG)
Crane (1):	2 t @ 10 m
Capstans (2):	8 t FAMA
Tugger (2):	10 t RRM - BRATTVAAG

\*Approximate values assuming Ideal Conditions



Registration

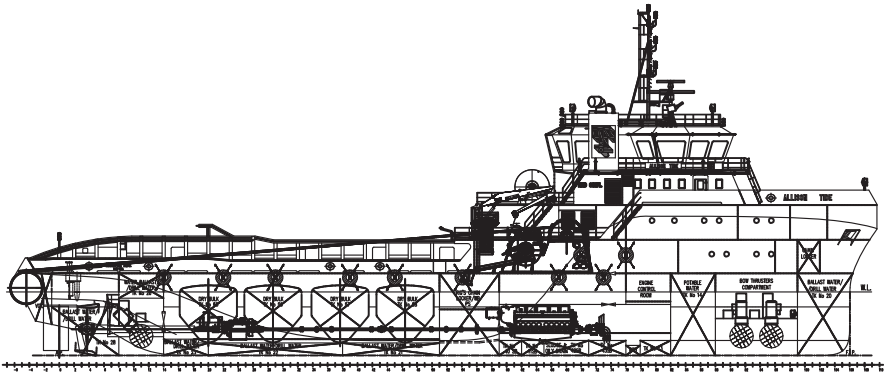
Flag: VANUATU	Home Port: PORT VILA	
Hull Number: 7406	IMO N <sup>o</sup> : 9412270	
Year Built: 2008	Call Sign: YJVK2	
Builder:	REMONTOWA	
Tonnage (ITC):	2292 GT	687 NT

Special Equipment

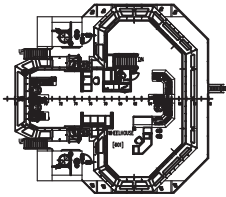
Fire Fighting:	FiFi-1
Dynamic Positioning:	DP-2
Ref. Systems:	2 x MRU; 2 x DGPS 1 x Laser-based
Mud Circulation System/ Mud Mixers:	Yes/Yes
Tank Cleaning:	Yes
Rescue Boat:	SOLAS 6MAN MOB
Aux. Rescue Boat:	7.6m WORKBOAT
Gas Detection:	Fixed Gas Detection
Misc:	MSD-28 PERSONS; BHS Water Traps

\*Approximate values assuming Ideal Conditions

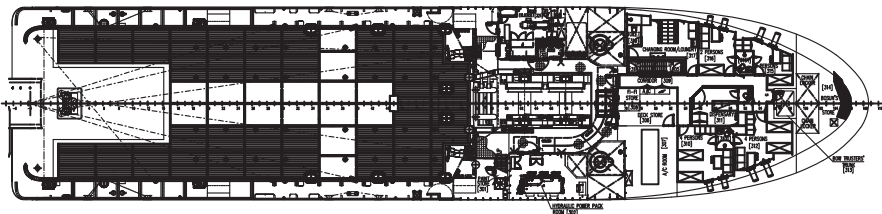




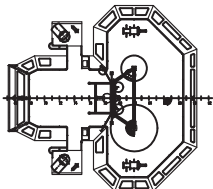
PROFILE



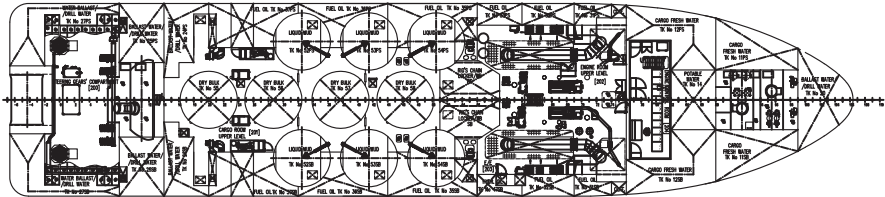
BRIDGE DECK  
14900 AB. BL.



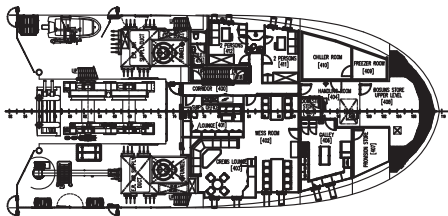
1st DECK  
6600 AB. BL.



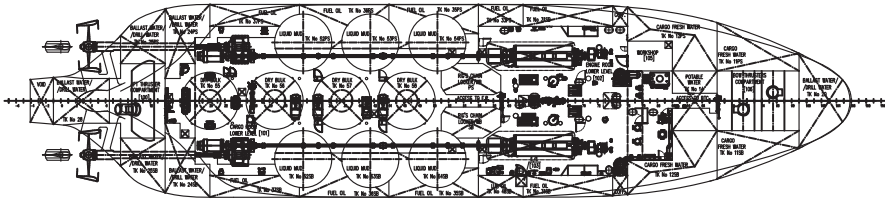
WHEELHOUSE TOP  
19400 AB. BL.



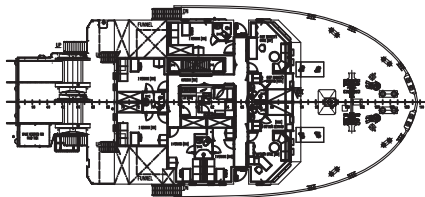
2nd DECK  
3800/4100 AB. BL.



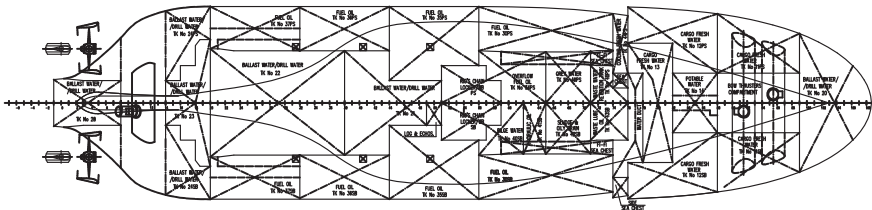
01 ACCOMMODATION DECK  
9300 AB. BL.



TANK TOP  
1000/1200/1300/1500 AB. BL.



02 ACCOMMODATION DECK  
12000 AB. BL.



BELOW TANK TOP

# KEHOE TIDE

## Capacity Table



Tank	Contents	Volume m <sup>3</sup>	Base Oil	Fuel Oil	Dry Bulk	DW/WB	Potable Water	Fresh Water	Brine	Liquid Mud	Methanol	Lube Oil	Foam	Oil Disp.
Tank 11 S	FW	94.7						94.7						
Tank 11 P	FW	94.7						94.7						
Tank 12 S	FW	145.0						145.0						
Tank 12 P	FW	145.0						145.0						
Tank 13	FW	30.4						30.4						
Tank 14	Ship's FW	99.1					99.1							
Tank 20	DW/WB	116.7				116.7								
Tank 21	DW/WB	42.3				42.3								
Tank 22	DW/WB	86.1				86.1								
Tank 23	DW/WB	17.7				17.7								
Tank 24 S	DW/WB	67.6				67.6								
Tank 24 P	DW/WB	67.6				67.6								
Tank 25 S	DW/WB	17.5				17.5								
Tank 25 P	DW/WB	17.5				17.5								
Tank 26	DW/WB	108.8				108.8								
Tank 27 S	DW/WB	38.4				38.4								
Tank 27 P	DW/WB	38.4				38.4								
Tank 28	DW/WB	24.0				24.0								
Tank 30 S	FO	39.1		39.1										
Tank 30 P	FO	39.1		39.1										
Tank 31 S	FO	43.5		43.5										
Tank 31 P	FO	44.2		44.2										
Tank 32 Service Tk S	FO	18.7		18.7										
Tank 32 Service Tk P	FO	19.4		19.4										
Tank 33 P	FO	33.6		33.6										
Tank 34 Overflow Tk P	FO	20.0		20.0										
Tank 35 S	FO	106.4		106.4										
Tank 35 P	FO	106.4		106.4										
Tank 36 S	FO	80.5		80.5										
Tank 36 P	FO	80.5		80.5										
Tank 37 S	FO	98.5		98.5										
Tank 37 P	FO	98.5		98.5										
Tank 48 S	LO	15.5										15.5		
Tank 52 S	LM/BR	79.3								79.3				
Tank 52 P	LM/BR	79.3								79.3				
Tank 53 S	LM/BR	79.3								79.3				
Tank 53 P	LM/BR	79.3								79.3				
Tank 54 S	LM/BR	79.3								79.3				
Tank 54 P	LM/BR	79.3								79.3				
Tank 55	Dry Bulk	48.4			48.4									
Tank 56	Dry Bulk	48.4			48.4									
Tank 57	Dry Bulk	48.4			48.4									
Tank 58	Dry Bulk	48.4			48.4									
Ch Locker P	CL/WB	78.4				78.4								
Ch Locker S	CL/WB	78.4				78.4								
Total Volume [m <sup>3</sup> ]			0.0	828.4	193.6	799.5	99.1	509.8	0.0	475.7	0.0	15.5	0.0	0.0
Spec Sheet Total Volume [m <sup>3</sup> ]			0.0	770.3	193.6	799.5	99.1	509.8	0.0	475.7	0.0	15.5	0.0	0.0

\*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.

\*Capacities shown in **GREEN** are counted for multiple Tank Capacities.

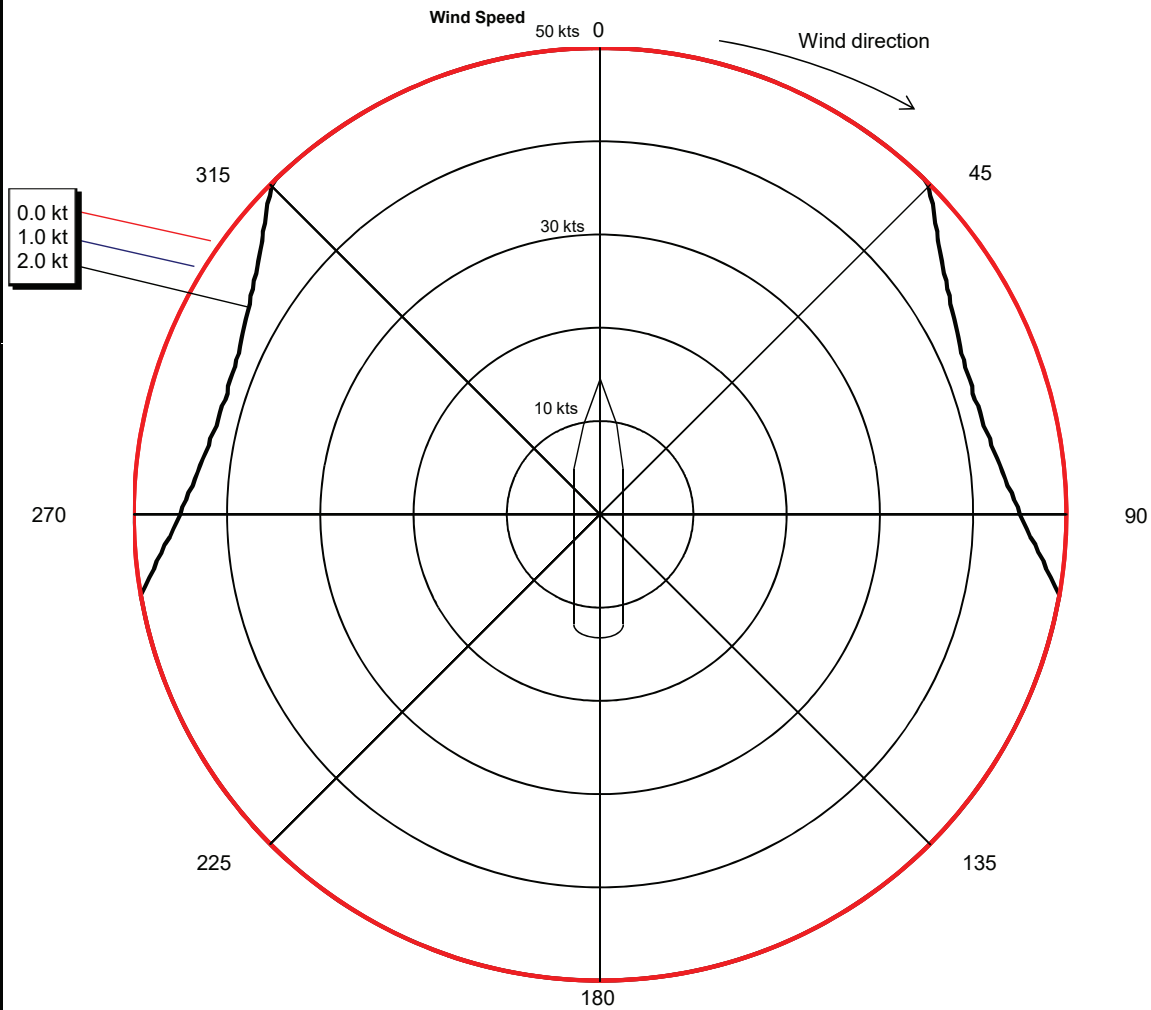


Figure 1

### All Thrusters Online Port and Stbd Mains Online

For maximum stationkeeping performance, the vessel should be oriented with the bow or stern pointing into the environment (wind, waves, current)

Vessel			
Remontowa DP Class 2 Newbuilds 1674-03, 04, 05, 06, 07, 08			
Propulsors		Environment	
Bow thrusters	2 × Tunnel thrusters (588 kW)	Max. Wind Speed	50.0 kt
Stern thruster	1 × Tunnel thruster (588 kW)	Current Speed	0.0 - 2.0 kt
Main propellers	2 × Main Props (3730 kW)	Sig. Wave Hgt.	wind driven
Rudders			
100% operating thrust available		Collinear environment	



Date: 06-Feb-12

Created by: AE

Holding plots are based on customer supplied information and are only estimates. True vessel capability must be determined through sea trials.