

HIGHLAND CHIEFTAIN



MMC 879 CD PLATFORM SUPPLY VESSEL

Vessel Characteristics

Length, Overall:	260.8 ft	79.5 m
Beam:	55.1 ft	16.8 m
Depth:	24.3 ft	7.4 m
Maximum Draft:	19.7 ft	6 m
Light Draft:	8.2 ft	2.5 m
Minimum Height:	89.9 ft	27.4 m
Freeboard:	4.6 ft	1.4 m
Displacement:	6,190 lt	6,290 mt
Deadweight:	3,930 lt	3,990 mt
Clear Deck Space:	186 x 47 ft	57 x 14 m
Clear Deck Area:	8,500 ft ²	790 m ²
Deck Strength AFT:	1,020 lb/ft ²	5 t/m ²
Class Notations:	DNV: +A1, Offshore Service Vessel, BIS, Clean, DPS(2), E0, OILREC FP > 60°C	

Capacities

Deck Cargo:	1,970 lt	2,000 t
Fuel Oil:	254,000 gal	960 m ³
Potable Water:	34,400 gal	130 m ³
Fresh Water:	224,000 gal	850 m ³
Drill/Ballast Water:	444,000 gal	1,680 m ³
Bulk Tanks (5 tanks):	10,600 ft ³	300 m ³
Liquid Mud (2.4 SG*):	7,320 bbl	1,160 m ³
*Max Structural Specific Gravity		
Methanol:	1,220 bbl	190 m ³

TIDEWATER

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Pg.2 Further Specifications
Pg.3 General Arrangement

Pg.4 Capacity Table
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NOTICE: The data contained herein is provided for convenience of reference to allow users to determine the suitability of the Company's equipment. The data may vary from the current condition of equipment which can only be determined by physical inspection. Company has exercised due diligence to insure that the data contained herein is reasonably accurate. However, Company does not warrant the accuracy or completeness of the data. In no event shall Company be liable for any damages whatsoever arising out of the use or inability to use the data contained herein.



Machinery

Diesel Electric Vessel			
Propulsive/Total HP:	5,360 / 9,600		
Z-Drives:	Yes		
Propellers (2):	2000kW FPP		
Kort Nozzles:	2		
Primary Generators (4):	1,700 kw	690 v	60 hz
Driven by:	CAT 3512C		
Emergency Generators (1):	340 kw	690 v	60 hz
Driven by:	GASI 12-06E		
Bow Thruster (2):	Scana CPT 175 TT		
Driven by:	910kW ELECTRIC MOTOR		
Total Thrust:	30.5 st	27.7 mt	

Deck Equipment

Anchors (2):	2,475 kg AC-14 HHP
Anchor Chain:	250 m of 50.8 mm chain per side
Windlass:	NDM
Crane (1):	3 t @ 10.1 m
Aux. Crane (1):	3 t @ 10.1 m
Capstans (2):	8 t NDM
Tugger (2):	10 t NDM

Accommodations

No. of Berths:	26
Cabins:	8x1-man & 9x2-man
Certified to Carry:	26
Galley seating:	20
Hospital:	Yes

Registration

Flag: UNITED KINGDOM	Home Port: LONDON	
Hull Number: 85301	IMO N ^o : 9639359	
Year Built: 2013	Call Sign: 2FUD2	
Builder:	REMONTOWA SHIPBUILDING S.	
Tonnage (ITC):	3260 GT	1355 NT

Performance*

Fuel Consumption Vs Speed		
Maximum:	23.4 m³/day (260 gph) @ 14.5 knots	
Cruising:	10.4 m³/day (110 gph) @ 10 knots	
Economical:	7.3 m³/day (80 gph) @ 8 knots	
Standby:	1.5 m³/day (17 gph) @ 0 knots	
Range @ 10 Knots:	21,900 nm	
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:	35.4 cfm @ 190 ft	60.1 m³/h @ 57 m
Liquid Mud:	660 gpm @ 470 ft	150 m³/h @ 140 m
Base Oil:	440 gpm @ 300 ft	100 m³/h @ 92 m
Methanol:	330 gpm @ 300 ft	75 m³/h @ 92 m

Nav/Comms Equipment

Radar(s):	2
Depth Sounder:	1
Cyro Compass:	3
Wind Speed Indicators:	3
Doppler Log:	1
Radio:	5 x VHF; 1 x SSB
Sat Com:	1

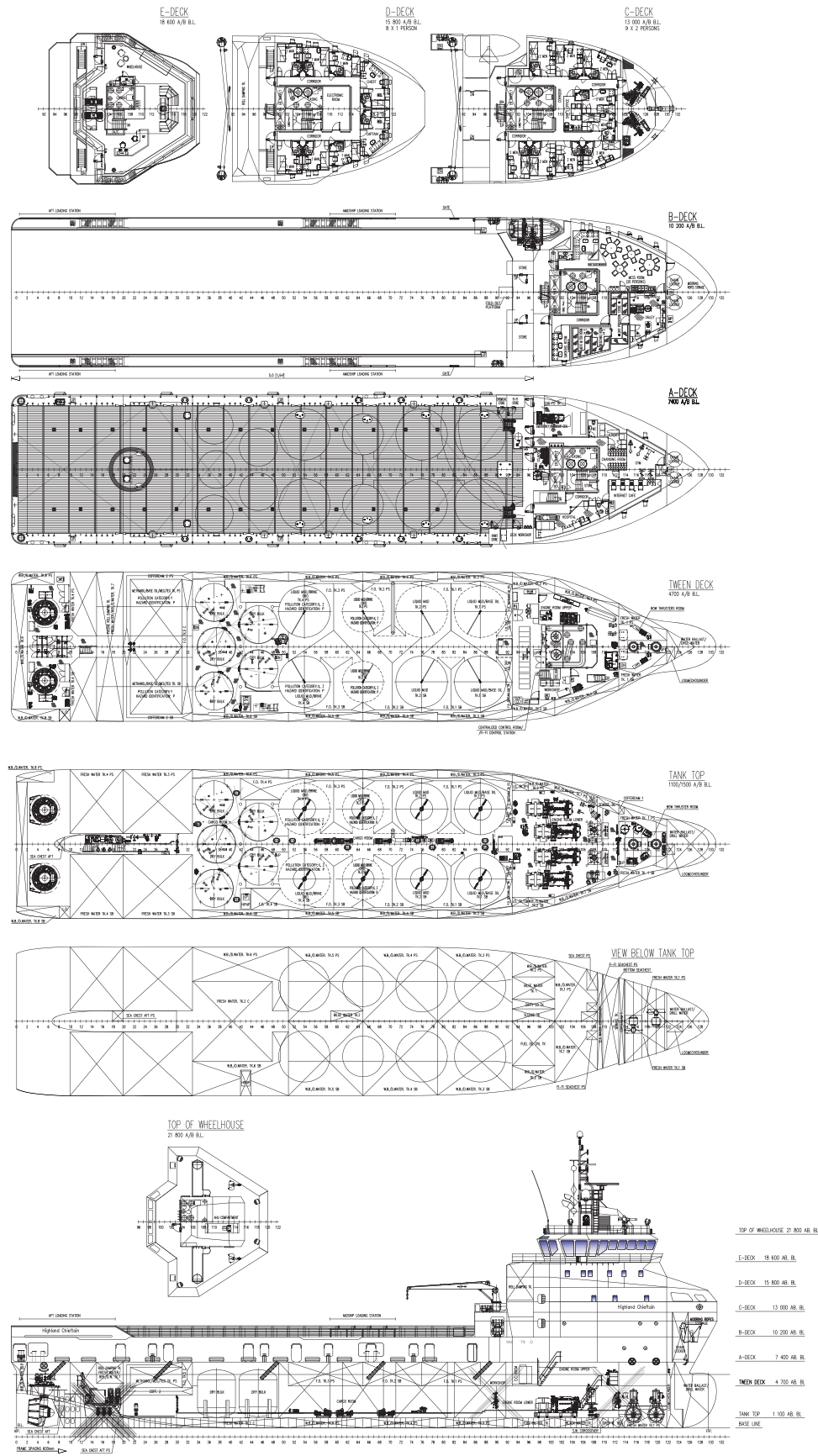
Special Equipment

Firefighting:	FiFi-1
Dynamic Positioning:	DP-2
Ref. Systems:	3 x MRU; 3 x DGPS 1 x Microwave-based
Mud Circulation System/ Mud Mixers:	Yes/Yes
Tank Cleaning:	Yes
Rescue Boat:	6 person FRC / waterjet
Reefer Sockets:	5x 440V 32A; 5x 220V 32A
Misc:	MSD - 20 Persons; ORO Capacity - 522.1m3

*Approximate values assuming Ideal Conditions

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General Arrangement (Current configuration may vary.)



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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.
W.B.TK FORE PEAK	DW/WB	116.2				116.2								
W.B.TK 1 PS	DW/WB	71.4				71.4								
W.B.TK 1 SB	DW/WB	83.4				83.4								
W.B.TK 2 PS	DW/WB	46.2				46.2								
W.B.TK 2 SB	DW/WB	46.2				46.2								
W.B.TK 3 PS	DW/WB	130.7				130.7								
W.B.TK 3 SB	DW/WB	130.7				130.7								
W.B.TK 4 PS	DW/WB	136.9				136.9								
W.B.TK 4 SB	DW/WB	136.9				136.9								
W.B.TK 5 PS	DW/WB	132.3				132.3								
W.B.TK 5 SB	DW/WB	137.0				137.0								
W.B.TK 6 PS	DW/WB	115.3				115.3								
W.B.TK 6 SB	DW/WB	111.3				111.3								
W.B.TK 8 PS	DW/WB	15.9				15.9								
W.B.TK 8 SB	DW/WB	18.6				18.6								
W.B. TK 9 AP	DW/WB	58.3				58.3								
Anti Roll Tank (FWD)	DW/WB	194.5				194.5								
WB/DW/FW TK 7 ROLL	DW/WB/FW	118.5				118.5		118.5						
F.W. TK 1 PS	Ship's FW	64.5					64.5							
F.W. TK 1 SB	Ship's FW	65.5					65.5							
F.W. TK 2 C	FW	94.1						94.1						
F.W. TK 3 PS	FW	157.8						157.8						
F.W. TK 3 SB	FW	158.5						158.5						
F.W. TK 4 PS	FW	160.3						160.3						
F.W. TK 4 SB	FW	160.3						160.3						
F.O. TK 1 P	FO	138.8		138.8										
F.O. TK 1 SB	FO	84.2		84.2										
F.O. TK 2 P	FO	109.9		109.9										
F.O. TK 2 SB	FO	155.8		155.8										
F.O. TK 3 P	FO	168.0		168.0										
F.O. TK 3 SB	FO	110.3		110.3										
F.O. TK 4 P	FO	45.9		45.9										
F.O. TK 4 SB	FO	35.7		35.7										
F.O. TK 5 C	FO	52.9		52.9										
F.O. SETTLING TK PS	FO	29.7		29.7										
F.O. SETTLING TK SB	FO	29.7		29.7										
F.O. Day Tank Port	FO	14.8		14.8										
F.O. Day Tank Stbd.	FO	14.8		14.8										
L.M./BASE OIL TK 1 PS	LM/BO	160.3								160.3				
L.M./BASE OIL TK 1 SB	LM/BO	160.3								160.3				
L.M. TK 2 PS	LM	160.4								160.4				
L.M. TK 2 SB	LM	160.4								160.4				
L.M./ORO TK 3 PS	LM/ORO	100.7								100.7				
L.M./ORO TK 3 SB	LM/ORO	100.7								100.7				
L.M./ORO TK 4 PS	LM/ORO	160.4								160.4				
L.M./ORO TK 4 SB	LM/ORO	160.4								160.4				
METHANOL/MEG/TEG PS	METHANOL	97.0									97.0			
METHANOL/MEG/TEG SB	METHANOL	97.0									97.0			
DRY BULK TK NO.1 PS	DRY BULK	60.1			60.1									
DRY BULK TK NO.1 SB	DRY BULK	60.1			60.1									
DRY BULK TK NO.2 PS	DRY BULK	60.1			60.1									
DRY BULK TK NO.2 SB	DRY BULK	60.1			60.1									
DRY BULK TK NO.2 C	DRY BULK	60.1			60.1									
L.O. TK 1	LO	6.4										6.4		
L.O. TK 2	LO	6.4										6.4		
L.O. TK 3	LO	5.7										5.7		
Total Volume [m ³]			0.0	990.4	300.5	1,800.4	130.1	849.5	0.0	1,163.5	194.0	18.4	0.0	0.0
Spec Sheet Total Volume [m ³]			0.0	960.8	300.5	1,681.8	130.1	849.5	0.0	1,163.5	194.0	18.4	0.0	0.0

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

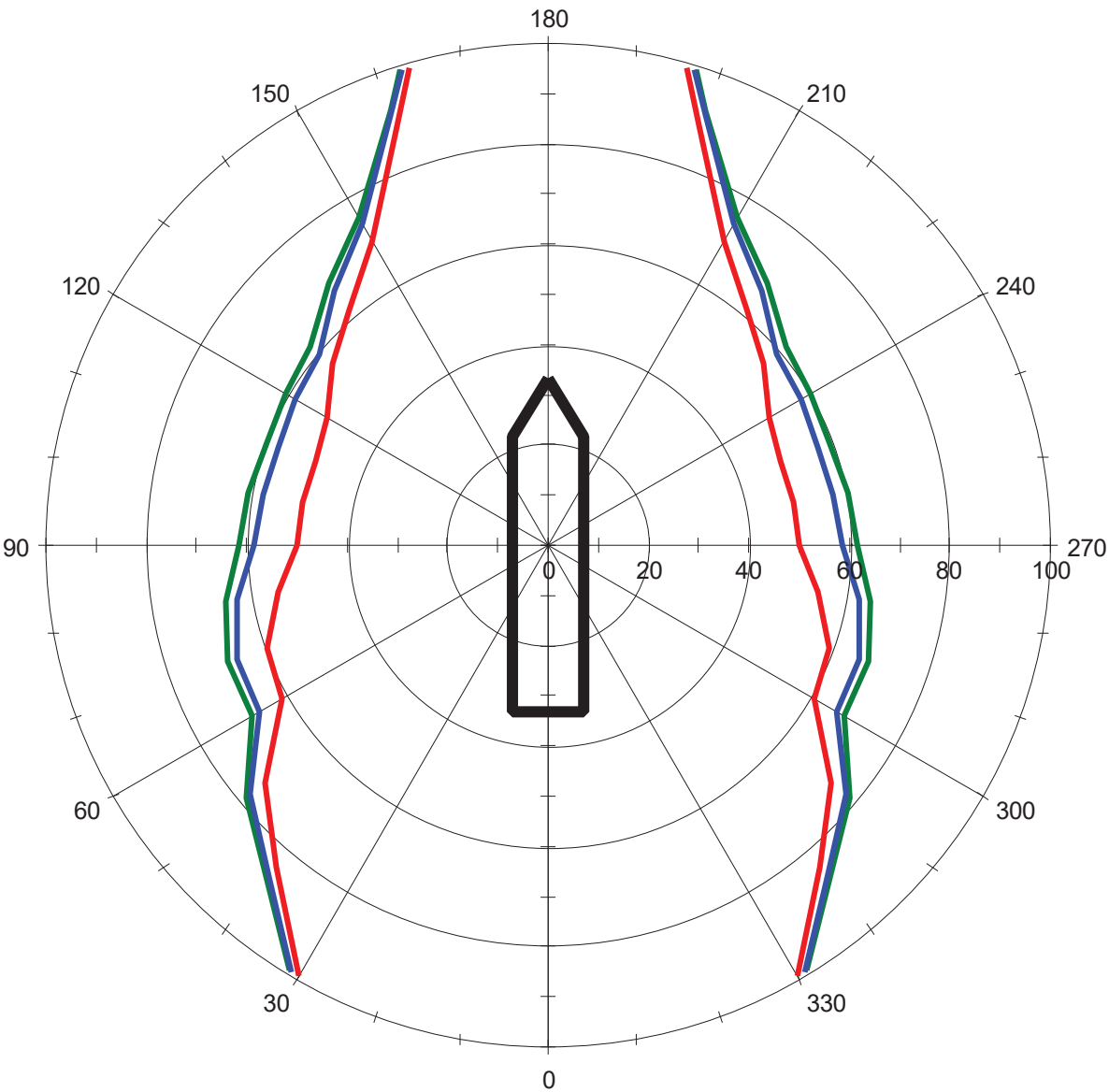
*Capacities shown in **RED** are excluded from the total volume.

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

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



Run : All Thrusters Online, 100% Available Thrust at 0, 1 & 2 knots Current



Wind [knots], Current = 0 knots
Wind [knots], Current = 1 knot
Wind [knots], Current = 2 knots