



HART TIDE as shown
STEPHEN WALLACE DICK TIDE similar

Vessel Characteristics

Length, Overall:	285.8 ft	87.1 m
Beam:	61.8 ft	18.8 m
Depth:	24.3 ft	7.4 m
Maximum Draft:	19.8 ft	6.1 m
Light Draft:	7.5 ft	2.3 m
Minimum Height:	91.2 ft	27.8 m
Freeboard:	4.6 ft	1.4 m
Displacement:	7,600 lt	7,720 mt
Deadweight:	5,060 lt	5,140 mt
Clear Deck Space:	200 x 52 ft	59.7 x 16 m
Clear Deck Area:	9,980 ft ²	930 m ²
Deck Strength:	1,020 lb/ft ²	5 t/m ²
Class Notations: ABS: +A1, (E), +AMS, +DPS-2, FFV-1, OSV, UWILD		

TIDEWATER[®]
STEPHEN WALLACE DICK
MMC-887 PLATFORM SUPPLY VESSEL

Capacities

Deck Cargo:	2,800 lt	2,840 t
Fuel Oil:	240,000 gal	910 m ³
Potable Water:	44,300 gal	170 m ³
Fresh Water:	530,000 gal	2010 m ³
Drill/Ballast Water:	86,700 gal	330 m ³
Bulk Tanks (5 tanks):	14,700 ft ³	420 m ³
Liquid Mud (20 lbs/gal):	15,200 bbl	2,410 m ³
Methanol:	2,700 bbl	430 m ³

Machinery

Diesel Electric Vessel			
Propulsive/Total HP:	5,360 / 10,200		
Z-Drives:	Yes		
Propellers (2):	4-Blade FP Rolls-Royce		
Kort Nozzles:	Yes		
Primary Generators (4):	1,820 kw	480 v	60 hz
Driven by:	Cummins QSK60-D(M)		
Emergency Generators (1):	150 kw	480 v	60 hz
Driven by:	Cummins 6CTA8.3-D(M)		
Bow Thruster (2):	1220 Hp CPP TT, 1073 Hp CPP DD		
Driven by:	Electric Motor Driven		
Total Thrust:	28.7 st	26 mt	

Deck Equip.

Anchors (2):	5464 lbs HHP
Anchor Chain:	250 m of 50 mm chain per side
Crane:	2 t @ 10.1 m
Capstans (2):	7.5 t Electric, 328 ft. of .5 in.
Tugger (2):	10 t Electric, Plimsoll

Accommodations

N ^o of Berths:	52
1-man cabins:	16
2-man cabins:	10
4-man cabins:	4
Certified to Carry:	52
Hospital:	Yes

Performance

(Approximate values assuming Ideal Conditions)		
<i>Fuel Consumption Vs Speed</i>		
Maximum:	30 m ³ /day (330 gph) @ 14 knots	
Cruising:	25 m ³ /day (280 gph) @ 13 knots	
Economical:	16 m ³ /day (180 gph) @ 11 knots	
Range @ 11 Knots:	15,200 nm	
<i>Transfer Rates</i>		
Fuel Oil:	660 gpm @ 300 ft	150 m ³ /h @ 92 m
Fresh Water:	660 gpm @ 300 ft	150 m ³ /h @ 92 m
Drill/Ballast Water:	660 gpm @ 300 ft	150 m ³ /h @ 92 m
Bulk:	49 cfm @ 180 ft	83 m ³ /h @ 56 m
Liquid Mud:	660 gpm @ 470 ft	150 m ³ /h @ 140 m
Methanol:	330 gpm @ 300 ft	74.9 m ³ /h @ 92 m

Nav/Comms Equip.

Radar(s):	2
Depth Sounder:	1
Gyro Compass:	3
Doppler Log:	1
Radio:	3 x VHF; 1 x SSB

Special Equip.

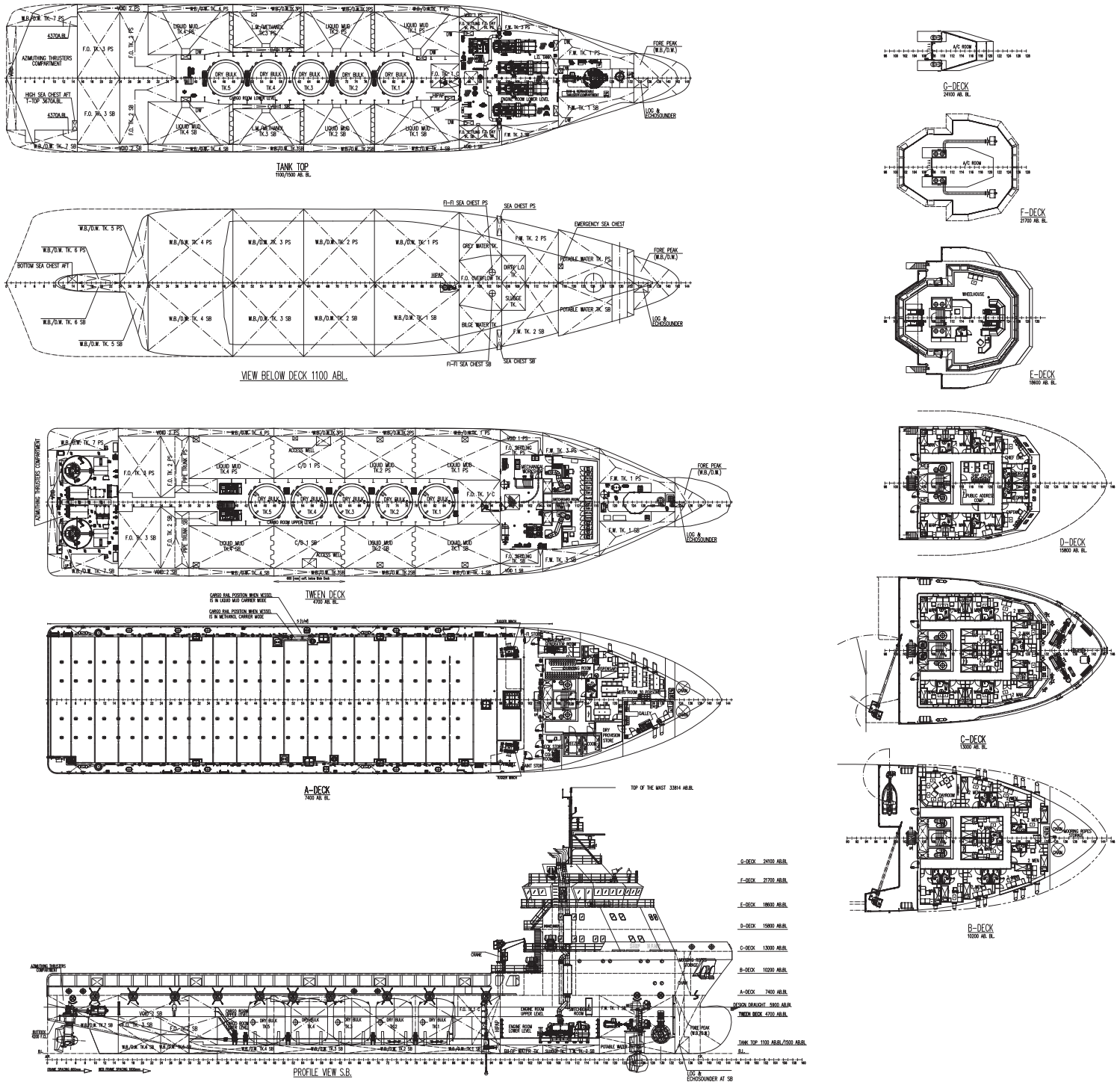
Firefighting:	FiFi-1
Dynamic Positioning:	DPS-2
Ref. Systems:	2 x MRU; 2 x DGPS 1 x Laser-based; 1 x Radar-based
Mud Mixers:	YES
Tank Cleaning:	YES
Rescue Boat:	Solas Approved

Registration

Flag:	VANUATU	
IMO N ^o :	9533658	
Year Built:	2011	
Builder:	FUJIAN MAWEI	
Call Sign:	YJRS5	
Tonnage (ITC):	3601 GT	1429 NT

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. Fuel consumption figures are historically conservative approximations.

General Arrangement



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Tank 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.
Fore Peak	DW/WB	184.0				184.0								
WB/DW Tk 1 PS	DW/WB	184.0				184.0		184.0						
WB/DW Tk 1 SB	DW/WB	180.9				180.9		180.9						
WB/DW Tk 2 PS	DW/WB	152.5				152.5		152.5						
WB/DW Tk 2 SB	DW/WB	152.5				152.5		152.5						
WB/DW Tk 3 PS	DW/WB	150.9				150.9		150.9						
WB/DW Tk 3 SB	DW/WB	150.9				150.9		150.9						
WB/DW Tk 4 PS	DW/WB	165.9				165.9		165.9						
WB/DW Tk 4 SB	DW/WB	165.9				165.9		165.9						
WB/DW Tk 5 PS	DW/WB	42.4				42.4		42.4						
WB/DW Tk 5 SB	DW/WB	42.4				42.4		42.4						
WB/DW Tk 6 PS	DW/WB	57.8				57.8		57.8						
WB/DW Tk 6 SB	DW/WB	57.8				57.8		57.8						
WB/DW Tk 7 PS	DW/WB	75.0				75.0								
WB/DW Tk 7 SB	DW/WB	69.3				69.3								
FW Tk 1 PS	FW	129.7						129.7						
FW Tk 1 SB	FW	129.7						129.7						
FW Tk 2 PS	FW	40.5						40.5						
FW Tk 2 SB	FW	40.5						40.5						
FW Tk 3 PS	FW	80.9						80.9						
FW Tk 3 SB	FW	80.9						80.9						
Potable Water Tk PS	Ships FW	83.7					83.7							
Potable Water Tk SB	Ships FW	84.1					84.1							
FO Overflow Tk	FO	35.9		35.9										
FO Day Tk PS	FO	15.2		15.2										
FO Day Tk SB	FO	15.2		15.2										
FO Settling Tk PS	FO	38.1		38.1										
FO Settling Tk SB	FO	38.1		38.1										
FO Tk 1 C	FO	100.3		100.3										
FO Tk 2 PS	FO	183.8		183.8										
FO Tk 2 SB	FO	183.8		183.8										
FO Tk 3 PS	FO	182.6		182.6										
FO Tk 3 SB	FO	182.6		182.6										
Liquid Mud Tk 1 PS	LM	362.0								362.0				
Liquid Mud Tk 1 SB	LM	362.0								362.0				
Liquid Mud Tk 2 PS	LM	286.8								286.8				
Liquid Mud Tk 2 SB	LM	286.8								286.8				
Liquid Mud Tk 4 PS	LM	341.3								341.3				
Liquid Mud Tk 4 SB	LM	341.3								341.3				
LM/Methanol Tk 3 PS	LM/METH	214.7								214.7	214.7			
LM/Methanol Tk 3 SB	LM/METH	214.7								214.7	214.7			
Lube Oil Tk	LO	1.9										1.9		
Dry Bulk Tk 1	Dry Bulk	83.2			83.2									
Dry Bulk Tk 2	Dry Bulk	83.2			83.2									
Dry Bulk Tk 3	Dry Bulk	83.2			83.2									
Dry Bulk Tk 4	Dry Bulk	83.2			83.2									
Dry Bulk Tk 5	Dry Bulk	83.2			83.2									
Total Volume [m ³]			0.0	975.8	415.8	1,832.2	167.9	2,006.2	0.0	2,409.7	429.4	1.9	0.0	0.0
Spec Sheet Total Volume [m ³]			0.0	909.4	415.8	328.3	167.9	2,006.2	0.0	2,409.7	429.4	1.9	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.

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KONGSBERG

DP Capability Plot MAWEI 619-1

Case number : 1
Case description :
Thrusters active : T1-T4
Rudders active :

Input file reference : foot_3398_A.scp
Last modified : 2010-03-01 08.48 (v. 2.7.2)

Length overall : 87.0 m
Length between perpendiculars : 83.0 m
Breadth : 18.8 m
Draught : 5.9 m
Displacement : 6900.0 t (Cb = 0.73)
Longitudinal radius of inertia : 20.8 m (= 0.25 * Lpp)
Pos. of origin ahead of Lpp/2 (Xo) : 0.0 m
Wind load coefficients : Calculated (Blendermann)
Current load coefficients : Calculated (Strip-theory)
Wave-drift load coefficients : Database (Scaled by Breadth/Length)

Tidal current direction offset : 0.0 deg
Wave direction offset : 0.0 deg
Wave spectrum type : JONSWAP (gamma = 3.30)
Wind spectrum type : NPD
Current - wave-drift interaction : OFF
Load dynamics allowance : 1.0 * STD of thrust demand
Additional surge force : 0.0 tf
Additional sway force : 0.0 tf
Additional yawing moment : 0.0 tf.m
Additional force direction : Fixed
Density of salt water : 1026.0 kg/m³
Density of air : 1.226 kg/m³ (15 °C)

Power limitations : OFF
Thrust loss calculation : ON

#	Thruster	X [m]	Y [m]	F+ [tf]	F- [tf]	Max[%]	Pe [kW]	Rudder
1	TUNNEL	34.7	0.0	13.6	-13.6	100	910	
2	AZIMUTH	31.8	0.0	14.1	-8.7	100	800	
3	AZIMUTH	-40.0	-4.0	35.4	-21.8	100	2000	
4	AZIMUTH	-40.0	4.0	35.4	-21.8	100	2000	

VARIABLE WIND AND WAVES
Limiting 1 minute mean wind speed in knots
at 10 m above sea level

ERN (99, 99, 86).
ERN are subject to DNV approval

