

# BAILEY TIDE



HART TIDE as shown, BAILEY TIDE similar

## MMC-887 HYBRID PLATFORM SUPPLY VESSEL

### Vessel Characteristics

Length, Overall:	285.8 ft	87.1 m
Beam:	61.7 ft	18.8 m
Depth:	24.3 ft	7.4 m
Maximum Draft:	20 ft	6.1 m
Light Draft:	7.6 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:	5,110 lt	5,190 mt
Clear Deck Space:	175 x 52 ft	53 x 16 m
Clear Deck Area:	9,800 ft <sup>2</sup>	910 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), +AMS, +DPS-2, FFV-1, OSV, UWILD, ESS-LiBATTERY	

### Capacities

Deck Cargo:	2,790 lt	2,840 t
Fuel Oil:	240,000 gal	910 m <sup>3</sup>
Potable Water:	44,300 gal	170 m <sup>3</sup>
Fresh Water:	530,000 gal	2,010 m <sup>3</sup>
Drill/Ballast Water:	86,700 gal	330 m <sup>3</sup>
Bulk Tanks (5 tanks):	14,700 ft <sup>3</sup>	420 m <sup>3</sup>
Liquid Mud (2.4 SG*):	15,200 bbl	2,410 m <sup>3</sup>
<small>*Max Structural Specific Gravity</small>		
Methanol:	2,700 bbl	430 m <sup>3</sup>

## TIDEWATER

Find out more

[tdw.com](http://tdw.com)

Pg.2 Further Specifications  
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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

<b>Diesel Electric Hybrid Vessel</b>	750 kWh Battery		
<i>Propulsive/Total HP:</i>	5,360 / 10,200		
<b>Z-Drives:</b>	Yes		
<b>Propellers (2):</b>	4-Blade FP Rolls-Royce		
<b>Kort Nozzles:</b>	2		
<b>Primary Generators (4):</b>	1,820 kw	480 v	60 hz
<i>Driven by:</i>	Cummins QSK60-D(M)		
<b>Emergency Generators (1):</b>	150 kw	480 v	60 hz
<i>Driven by:</i>	Cummins 6CTA8.3-D(M)		
<b>Bow Thruster (2):</b>	1220 Hp CPP TT, 1073 Hp CPP DD		
<i>Driven by:</i>	Electric Motor Driven		
<b>Total Thrust:</b>	28.7 st	26 mt	

### Deck Equipment

<b>Anchors (2):</b>	5456 lbs HHP
<b>Anchor Chain:</b>	250 m of 50 mm chain per side
<b>Windlass:</b>	Electric, 65/32 kn @10/20 m/m
<b>Crane (1):</b>	2 t @ 10.1 m
<b>Capstans (2):</b>	7.5 t Electric, 328 ft. of .5 in.
<b>Tugger (2):</b>	10 t ELECTRIC, PLIMSOLL

### Accommodations

<b>No. of Berths:</b>	52
<b>Cabins:</b>	16x1-man, 10x2-man & 4x4-man
<b>Certified to Carry:</b>	52
<b>Galley seating:</b>	30
<b>Hospital:</b>	Yes

### Registration

<b>Flag:</b> LIBERIA	<b>Home Port:</b> MONROVIA
<b>Hull Number:</b> 6192	<b>IMO N<sup>o</sup>:</b> 9533567
<b>Year Built:</b> 2011	<b>Call Sign:</b> A8QK6
<b>Builder:</b>	FUJIAN MAWEI
<b>Tonnage (ITC):</b>	3601 GT      1429 NT

### Performance\*

<b>Fuel Consumption Vs Speed</b>		
<i>Maximum:</i>	28 m <sup>3</sup> /day (310 gph) @ 14 knots	
<i>Cruising:</i>	12.5 m <sup>3</sup> /day (140 gph) @ 10 knots	
<i>Economical:</i>	10 m <sup>3</sup> /day (110 gph) @ 8 knots	
<i>Standby:</i>	2.3 m <sup>3</sup> /day (25 gph) @ 0 knots	
<b>Range @ 10 Knots:</b>	17,400 nm	
<b>Transfer Rates</b>		
<i>Fuel Oil:</i>	660 gpm @ 300 ft	150 m <sup>3</sup> /h @ 92 m
<i>Fresh Water:</i>	660 gpm @ 300 ft	150 m <sup>3</sup> /h @ 92 m
<i>Drill/Ballast Water:</i>	660 gpm @ 300 ft	150 m <sup>3</sup> /h @ 92 m
<i>Bulk:</i>	49 cfm @ 180 ft	83.2 m <sup>3</sup> /h @ 56 m
<i>Liquid Mud:</i>	660 gpm @ 190 ft	150 m <sup>3</sup> /h @ 58 m
<i>Methanol:</i>	330 gpm @ 300 ft	75 m <sup>3</sup> /h @ 92 m

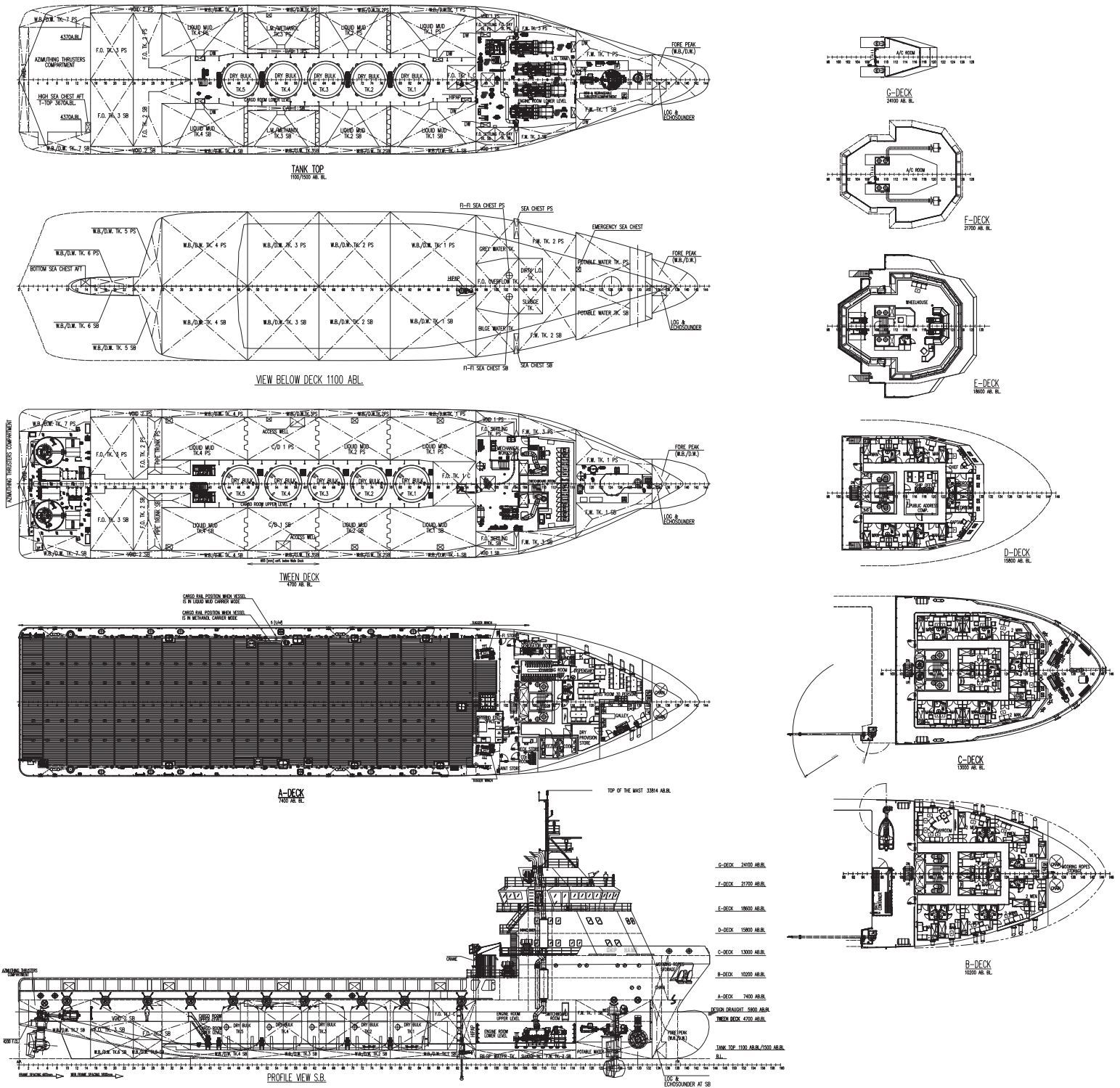
### Nav/Comms Equipment

<b>Radar(s):</b>	2
<b>Depth Sounder:</b>	1
<b>Cyro Compass:</b>	3
<b>Wind Speed Indicators:</b>	3
<b>Doppler Log:</b>	1
<b>Radio:</b>	3 x VHF; 1 x SSB

### Special Equipment

<b>Firefighting:</b>	FiFi-1
<b>Dynamic Positioning:</b>	DP-2
<b>Ref. Systems:</b>	2 x MRU; 2 x DGPS 1 x Microwave-based; 1 x Laser-based
<b>Mud Circulation System</b>	Yes
<b>Tank Cleaning:</b>	Yes
<b>Rescue Boat:</b>	Solas Approved
<b>Fuel Monitoring:</b>	FuelTrax
<b>Reefer Sockets:</b>	4x 480V 32A
<b>Misc:</b>	SEWAGE TREATMENT - 60 Persons

\*Approximate values assuming Ideal Conditions



# BAILEY TIDE

## Capacity Table



Tank 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.
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 <sup>3</sup> ]			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 <sup>3</sup> ]			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.



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)

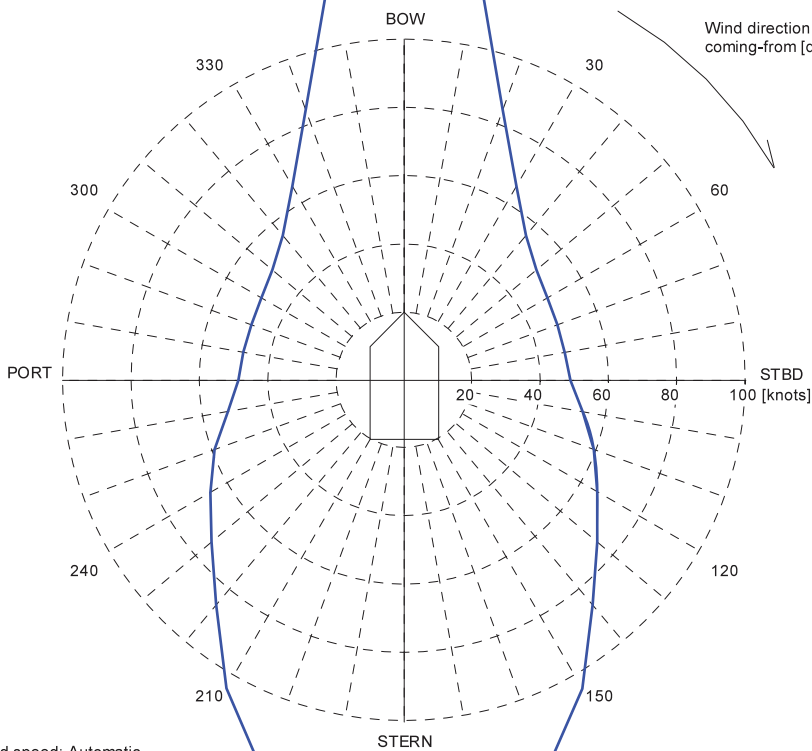
Tidal current direction offset : 0.0 deg  
 Wave direction offset : 0.0 deg  
 Wave spectrum type : JONSWAP (gamma = 3.30)  
 Wind spectrum type : NPD  
 Current - wave-drift interaction : OFF  
 Load dynamics allowance : 1.0 \* STD of thrust demand  
 Additional surge force : 0.0 tf  
 Additional sway force : 0.0 tf  
 Additional yawing moment : 0.0 tf,m  
 Additional force direction : Fixed  
 Density of salt water : 1026.0 kg/m<sup>3</sup>  
 Density of air : 1.226 kg/m<sup>3</sup> (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



Wind speed: Automatic  
 Significant wave height: DNV (ERN)  
 Mean zero up-crossing period: DNV (ERN)  
 Rotating tidal current: 1.46 knots  
 Rotating wind induced current: 0.000\*Uwi knots