



HART TIDE as shown, GAMMAGE TIDE similar

## MMC 887 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:	5,060 lt	5,140 mt
Clear Deck Space:	196 x 52 ft	60 x 16 m
Clear Deck Area:	9,980 ft <sup>2</sup>	930 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, OSV, RW, UWILD	

### Capacities

Deck Cargo:	2,800 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*):	9,720 bbl	1,540 m <sup>3</sup>
*Max Structural Specific Gravity		
Methanol:	2,700 bbl	430 m <sup>3</sup>

## TIDEWATER

Find out more

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Pg.2 Further Specifications

Pg.4 Capacity Table

Pg.3 General Arrangement

Pg.5 DP Capability Plot

# GAMMAGE TIDE

## Further specifications



### Machinery

Diesel Electric Vessel			
Propulsive/Total HP:	5,360 / 10,200		
Z-Drives:	Yes		
Propellers (2):	4-Blade FP Rolls-Royce		
Kort Nozzles:	2		
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 Equipment

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

### Accommodations

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

### Registration

Flag: VANUATU	Home Port: PORT VILA
Hull Number: 6194	IMO N <sup>o</sup> : 9533581
Year Built: 2011	Call Sign: YJSC4
Builder:	FUJIAN MAWEI
Tonnage (ITC):	3790 GT 1137 NT

### Performance\*

Fuel Consumption Vs Speed		
Maximum:	28 m³/day (310 gph) @ 14 knots	
Cruising:	12.5 m³/day (140 gph) @ 10 knots	
Economical:	10 m³/day (110 gph) @ 8 knots	
Standby:	2.3 m³/day (25 gph) @ 0 knots	
Range @ 10 Knots:	17,400 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:	49 cfm @ 180 ft	83.2 m³/h @ 56 m
Liquid Mud:	660 gpm @ 190 ft	150 m³/h @ 58 m
Methanol:	330 gpm @ 300 ft	75 m³/h @ 92 m

### Nav/Comms Equipment

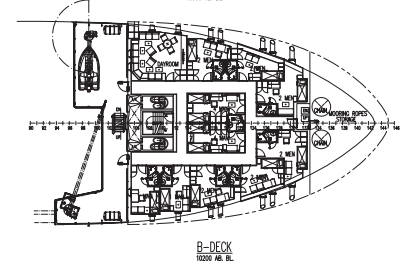
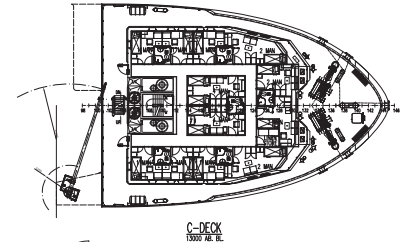
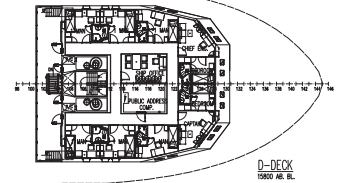
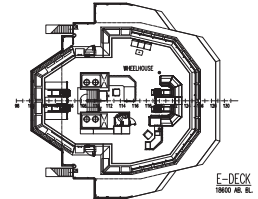
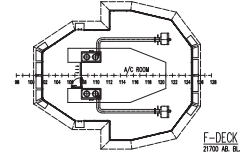
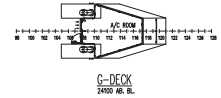
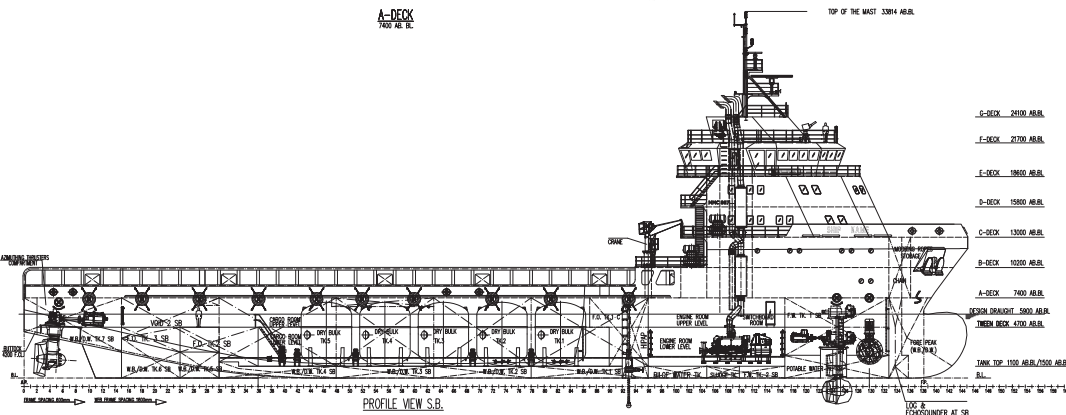
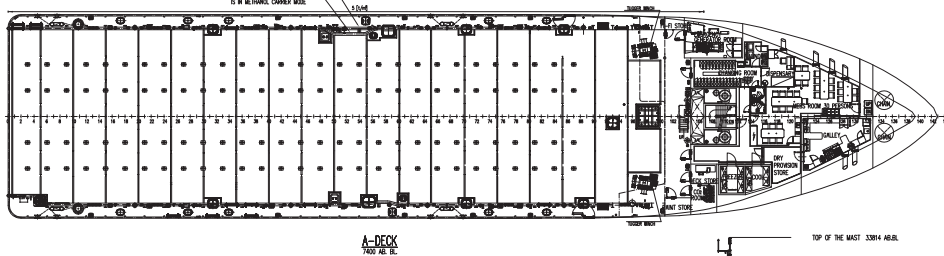
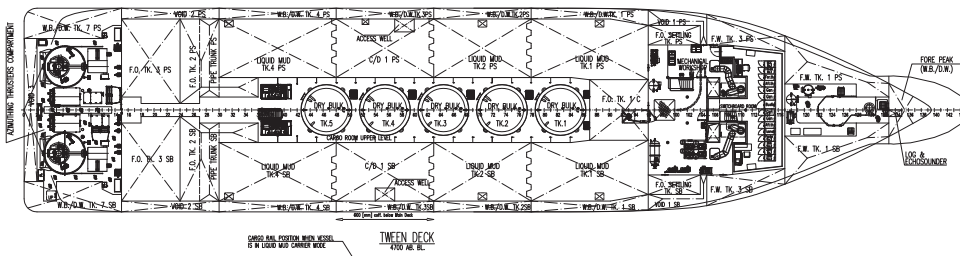
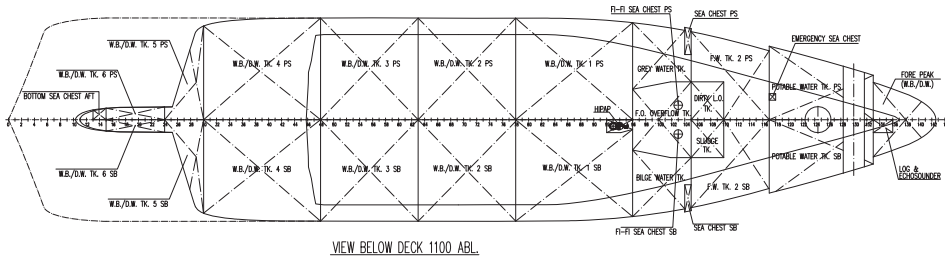
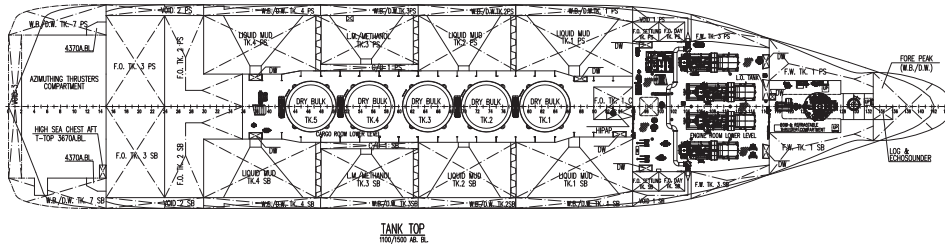
Radar(s):	2
Depth Sounder:	1
Gyro Compass:	3
Wind Speed Indicators:	3
Doppler Log:	1
Radio:	3 x VHF; 1 x SSB

### Special Equipment

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

\*Approximate values assuming Ideal Conditions





- G-DECK 2400 AB. EL.
- F-DECK 2100 AB. EL.
- E-DECK 1800 AB. EL.
- D-DECK 1500 AB. EL.
- C-DECK 1300 AB. EL.
- B-DECK 10200 AB. EL.
- A-DECK 7400 AB. EL.
- DECK HEIGHT 1500 AB. EL.
- TANK TOP 1100/1500 AB. EL.
- LOC. & EXPOSUNDER AT SB



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)

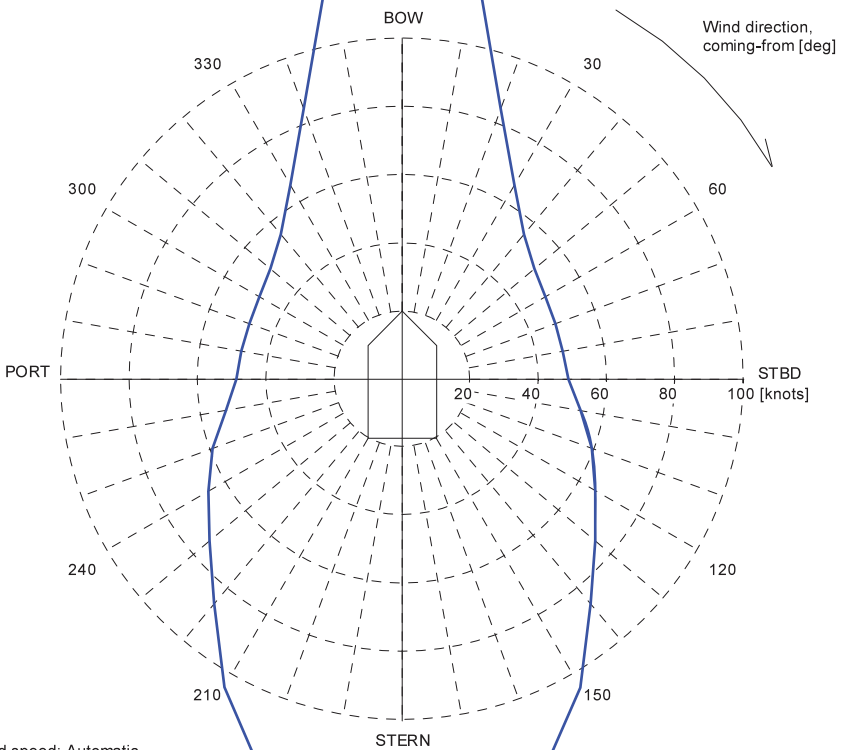
Length overall : 87.0 m
Length between perpendiculars : 83.0 m
Breadth : 18.8 m
Draught : 5.9 m
Displacement : 6900.0 t (Cb = 0.73)
Longitudinal radius of inertia : 20.8 m (= 0.25 \* Lpp)
Pos. of origin ahead of Lpp/2 (Xo) : 0.0 m
Wind load coefficients : Calculated (Blendermann)
Current load coefficients : 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/m³
Density of air : 1.226 kg/m³ (15 °C)

Power limitations : OFF
Thrust loss calculation : ON

Table with 8 columns: # Thruster, X [m], Y [m], F+ [tf], F- [tf], Max [%], Pe [kW], Rudder. It lists data for 4 thrusters (1 TUNNEL, 2 AZIMUTH, 3 AZIMUTH, 4 AZIMUTH).

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