

MOSSALEM TIDE



BOUTROS TIDE as shown, MOSSALEM TIDE similar

GMGSHI 5150 DP2 ANCHOR HANDLING TOWING SUPPLY VESSEL

Vessel Characteristics

Length, Overall:	192.6 ft	58.7 m
Beam:	47.9 ft	14.6 m
Depth:	18 ft	5.5 m
Maximum Draft:	15.8 ft	4.8 m
Minimum Height:	70.1 ft	21.4 m
Freeboard:	2.6 ft	0.8 m
Displacement:	2,790 lt	2,840 mt
Deadweight:	1,280 lt	1,300 mt
Clear Deck Space:	96 x 40 ft	29 x 12 m
Clear Deck Area:	3,820 ft ²	350 m ²
Deck Strength AFT:	1,430 lb/ft ²	7 t/m ²
Class Notations:	ABS: +A1, (E), +AMS, +DPS-2, FFV-1, OSV, AH, TOWING VESSEL, UWILD	

Capacities

Deck Cargo:	540 lt	550 t
Fuel Oil:	127,000 gal	480 m ³
Potable Water:	66,700 gal	250 m ³
Drill/Ballast Water:	97,500 gal	370 m ³
Bulk Tanks (4 tanks):	6,000 ft ³	170 m ³
Liquid Mud (2.5 SG*):	1,590 bbl	250 m ³
*Max Structural Specific Gravity		
Oil Dispersant:	3,570 gal	13.5 m ³
Fire Fighting Foam:	3,570 gal	13.5 m ³

TIDEWATER

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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.

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Further specifications



Machinery

Main Engines (2):	CAT 3516 B-HD		
Total HP:	5,150		
Propellers (2):	CPP, 4 BLADE		
Gears (2):	REINTJES LAF 873PK41, 7,562:1		
Kort Nozzles:	2		
Rudders (2):	STREAMLINE		
Primary Generators (3):	450 kw	410 v	50 hz
Driven by:	CAT C18		
Secondary Generators (2):	1000 kw	410 v	50 hz
Driven by:	Main Engines		
Emergency Generators (1):	65 kw	410 v	50 hz
Bow Thruster (2):	Kawasaki, KT-88B3 TT CPP		
Driven by:	650kW Electric Motor		
Total Thrust:	21.8 st	19.8 mt	
Stern Thruster (1):	Kawasaki, KT-88B3 TT CPP		
Driven by:	650kW Electric Motor		
Total Thrust:	11 st	10 mt	

Performance*

Fuel Consumption Vs Speed		
Maximum:	25 m³/day (280 gph) @ 13.5 knots	
Cruising:	18.9 m³/day (210 gph) @ 12.4 knots	
Economical:	13.2 m³/day (150 gph) @ 9.6 knots	
Standby:	2.2 m³/day (24.2 gph) @ 0 knots	
Range @ 12.4 Knots:	7,580 nm	
Bollard Pull	68.5 st	62.1 mt
Transfer Rates		
Fuel Oil:	620 gpm @ 250 ft	140 m³/h @ 75 m
Potable Water:	440 gpm @ 250 ft	100 m³/h @ 75 m
Drill/Ballast Water:	440 gpm @ 250 ft	100 m³/h @ 75 m
Bulk:	25 cfm @ 180 ft	42.4 m³/h @ 56 m
Liquid Mud:	310 gpm @ 250 ft	70 m³/h @ 75 m

Tow/Anchor Handling

Winch:	Hydraulic Waterfall Double-Drum (200T Brake)
Model:	MacGregor Plimsoll
Line Pull:	150 mt
Tow/AH Wire:	1000 m / 1000 m of 56 mm
Pennant Reels (1):	1000 m of 56 mm
Shark Jaw:	1 SET @ 200MT SWL
Tow Pins:	2 @ 200MT SWL
Stern Roller:	5.0M X 1.6M DIA; 200 mt SWL

Nav/Comms Equipment

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

Accommodations

No. of Berths:	42
Cabins:	2x1-man, 4x2-man & 8x4-man
Certified to Carry:	42
Galley seating:	27
Hospital:	Yes

Deck Equipment

Anchors (2):	1305kg High Holding Power
Anchor Chain:	220 m of 36 mm chain per side
Windlass:	MacGregor 9T@12m/min
Capstans (2):	5 t Electro-Hydraulic, 15m/min
Tugger (2):	10 t ELECTRO-HYDRAULIC, 15M/MIN

*Approximate values assuming Ideal Conditions



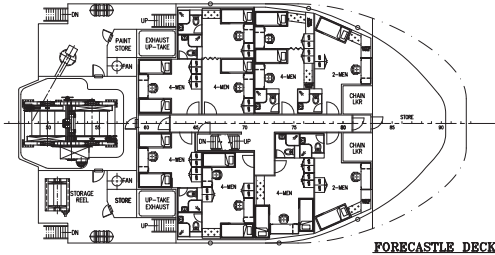
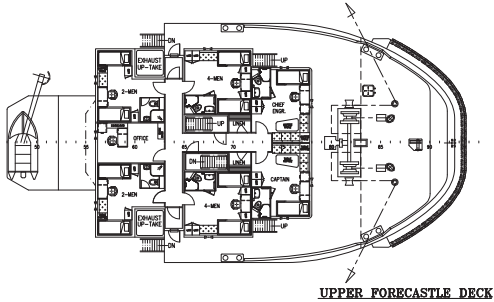
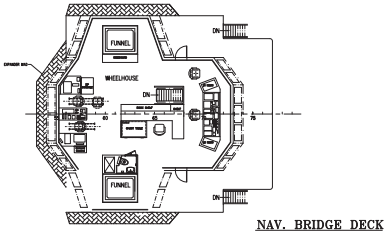
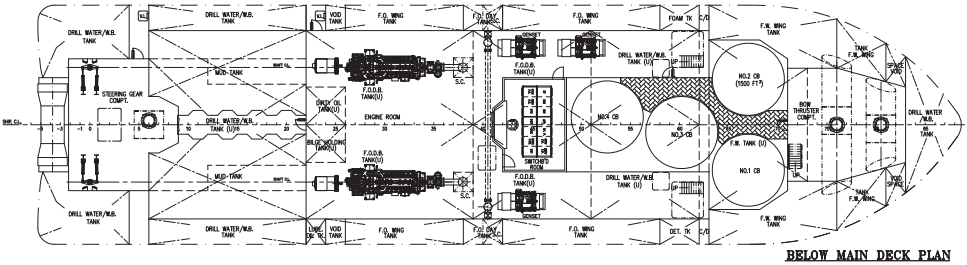
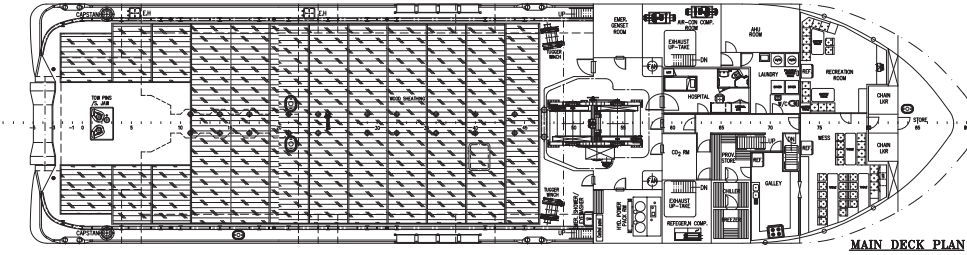
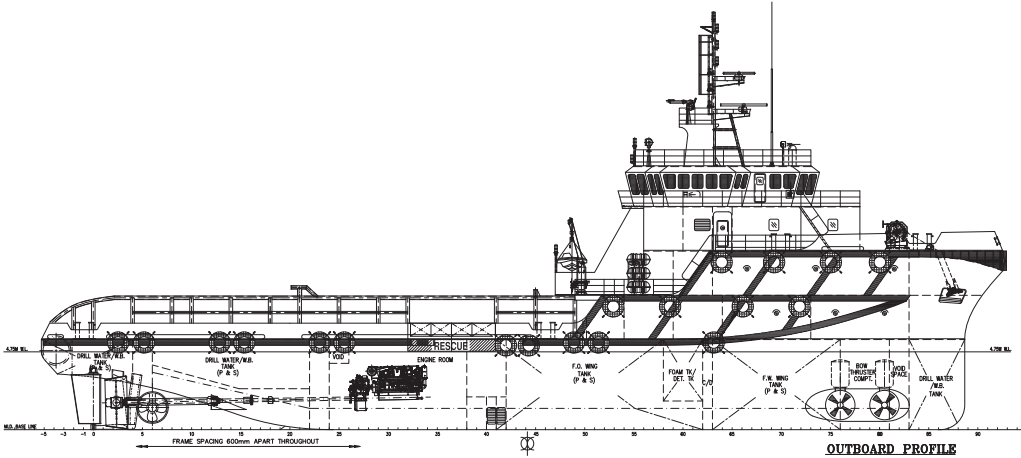
Registration

Flag: VANUATU	Home Port: PORT VILA	
Hull Number: 8100	IMO N ^o : 9589073	
Year Built: 2011	Call Sign: YJQY2	
Builder:	GUANGXIN SHIPBUILDING	
Tonnage (ITC):	1476 GT	442 NT

Special Equipment

Fire Fighting:	FiFi-1
Dynamic Positioning:	DP-2
Ref. Systems:	2 x MRU; 2 x DGPS 1 x Microwave-based
Water Maker:	5T/DAY
Mud Circulation System:	Yes
Rescue Zone:	Yes
Rescue Boat:	15-Man FRC
Fuel Monitoring:	ENGINE1
Reefer Sockets:	6x 415V 32A
Misc:	MSD - 42 Persons

*Approximate values assuming Ideal Conditions



Capacity Table



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



KONGSBERG

DP Capability Plot

GMG0888/0889/0899/08100

Input file reference : foot_3229.scp
Last modified : 2009-09-06 07.39 (v. 2.6.2)

Length overall : 58.7 m
Length between perpendiculars : 53.2 m
Breadth : 14.6 m
Draught : 4.8 m
Displacement : 3000.0 t (Cb = 0.78)
Longitudinal radius of inertia : 13.3 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	22.5	0.0	10.1	-10.1	100	675	
2	TUNNEL	19.2	0.0	10.1	-10.1	100	675	
3	TUNNEL	-23.4	0.0	10.1	-10.1	100	675	
4	PROP_AS	-26.5	3.5	33.5	-23.4	100	1100	CUSTOM
5	PROP_AS	-26.5	-3.5	33.5	-23.4	100	1100	CUSTOM

Limiting 1 minute mean wind speed in knots
at 10 m above sea level

