TORTUGA TIDE





STX 05-L CD PSV

Vessel Characteristics

Length, Overall:	269.7 ft	82.2 m				
Beam:	55.8 ft	17 m				
Depth:	24.9 ft	7.6 m				
Maximum Draft:	20.7 ft	6.3 m				
Light Draft:	9.5 ft	2.9 m				
Minimum Height:	95.8 ft	29.2 m				
Freeboard:	4.3 ft	1.3 m				
Displacement:	6,390 lt	6,500 mt				
Deadweight:	3,950 lt	4,010 mt				
Clear Deck Space:	197 x 44 ft	60 x 14 m				
Clear Deck Area:	8,720 ft ²	810 m ²				
Deck Strength FWD:	1,020 lb/ft²	5 t/m²				
Deck Strength AFT:	2,050 lb/ft²	10 t/m²				
Class Notations:	DNV: +1A1, Fire fighter(1), Clean(Design), COM- F(V-3), DK(+), DYNPOS(AUTR), E0, HL(2.8), LFL(*), NAUT(OSV(A)), OILREC, SF					

Capacities

Deck Cargo:	1,890 lt	1,920 t
Fuel Oil:	243,000 gal	920 m ³
Potable Water:	72,200 gal	270 m ³
Fresh Water:	211,000 gal	800 m ³
Drill/Ballast Water:	478,000 gal	1,810 m ³
Bulk Tanks (6 tanks):	12,100 ft³	340 m ³
Liquid Mud (2.5 SG*): *Max Structural Specific Gravity	6,150 bbl	980 m³
Base Oil:	1,600 bbl	250 m ³
Fire Fighting Foam:	450 gal	1.7 m ³

TIDEWATER

Pg.2 Further Specifications

Pg.3 General Arrangement

Find out more

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Pg.4 Capacity Table Pg.5 DP Capability Plot

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TORTUGA TIDE Further specifications



Machinery

Diesel Electric Vessel						
Propulsive/Total HP:	4,290 / 6,920					
Z-Drives:	Yes					
Propellers (2):	STP 1212 FPP, 1600KW					
Primary Generators (4):	1,200 kw 690 v 60 h					
Driven by:	CUMMINS KTA50-D(M1)					
Emergency Generators (1):	100 kw	690 v	60 hz			
Driven by:	CUMMINS 6CT-8.3-D(M)					
Bow Thruster (2):	FU-74-LTC-2000 TUNNEL					
Driven by:	880KW ELECTRIC MOTORS					
Total Thrust:	29.5 st 26.8 m ⁻					

Deck Equipment

Anchors (2):	3300 KG M-SPEK
Anchor Chain:	250 m of 46 mm chain per side
Windlass:	2x NMD 46 MMK3
Crane (1):	5 t @ 10 m
Aux. Crane (1):	2 t @ 10 m
Capstans (2):	8 t NMD CAPSTANS
Tugger (2):	10 t NMD TUGGERS

Accommodations

No. of Berths:	28
Cabins:	6x1-man & 11x2-man
Certified to Carry:	28
Galley seating:	20
Hospital:	Yes

Registration

Flag: NORWAY	Home Port: SKUDENESHAVN						
Hull Number: 91	IMO N^O: 9624744						
Year Built: 2014	Call Sign: LAFH8						
Builder:	Cochin Shipyard Limited						
Tonnage (ITC):	3455 GT	1406 NT					

Performance*

Fuel Consumption Vs Speed							
Maximum:	28.2 m³/day (310 gph) @ 15 knots						
Cruising:	13.2 m	n³/day (150 gph) @ 12 knots					
Economical:	8.3 m	³ /day (91.4 gph) @ 10 knots					
Standby:	2	m³/day (22 gph) @ 0 knots					
Range @ 12 Knots:	20,000 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:	33.6 cfm @ 190 ft	57 m³/h @ 57 m					
Liquid Mud:	330 gpm @ 800 ft	75 m³/h @ 240 m					
Base Oil:	220 gpm @ 300 ft	50 m³/h @ 92 m					
Brine:	330 gpm @ 700 ft	75 m³/h @ 210 m					
Methanol:	220 gpm @ 300 ft	50 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
Sat Com:	2X INMARSAT-C

Special Equipment

Firefighting:	FiFi-1
Dynamic Positioning:	DP-2
Ref. Systems:	3 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:	15-Man 6.5M JY 65 KR FRC
Reefer Sockets:	4x 440V 16A, 4x 230V 16A
Misc:	ORO Capacity - 977.5 m3; MSD - 30 Persons; Eye Wash Station

*Approximate values assuming Ideal Conditions

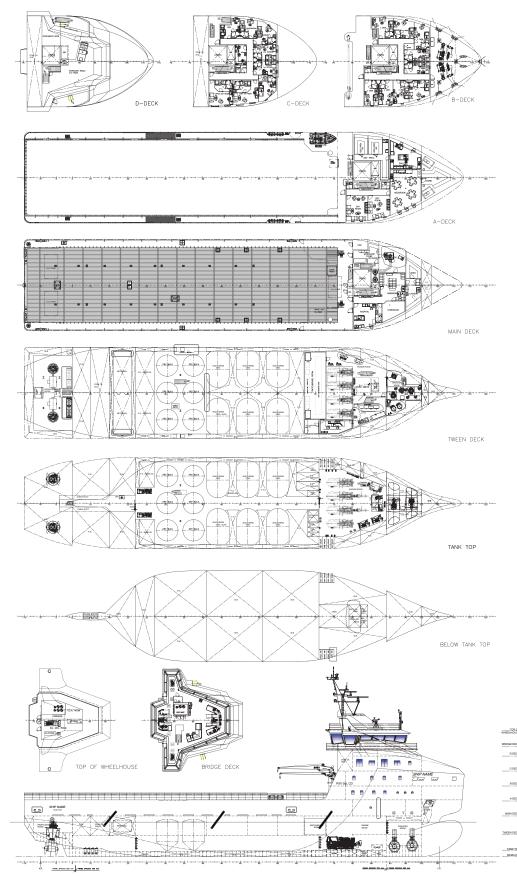
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TORTUGA TIDE

General Arrangement (Current configuration may vary.)





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TORTUGA TIDE Capacity Table



IndexDeriveTableTotalDeriveWater <t< th=""><th>Tank</th><th>Contents</th><th>Volume</th><th>Base</th><th>Fuel</th><th>Dry</th><th>DW/WB</th><th>Potable</th><th>Fresh</th><th>Brine</th><th>Liquid</th><th>Methanol</th><th>Lube</th><th>Foam</th><th>Oil</th></t<>	Tank	Contents	Volume	Base	Fuel	Dry	DW/WB	Potable	Fresh	Brine	Liquid	Methanol	Lube	Foam	Oil
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*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.

TORTUGA TIDE DP Capability Plot



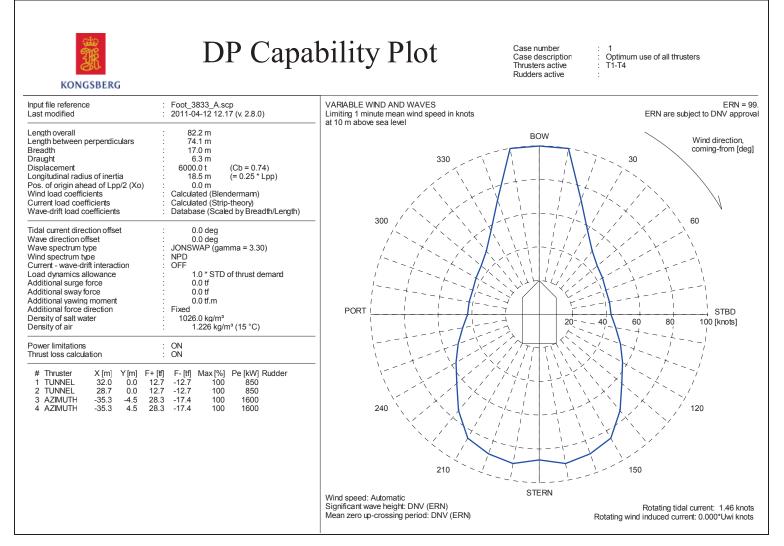


Figure 10: DP capability envelope for case 1.

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