

# TANTALUS TIDE



TITUS TIDE as shown, TANTALUS TIDE similar

## 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:	3,970 lt	4,030 mt
Clear Deck Space:	197 x 44 ft	60 x 14 m
Clear Deck Area:	8,720 ft <sup>2</sup>	810 m <sup>2</sup>
Deck Strength FWD:	1,020 lb/ft <sup>2</sup>	5 t/m <sup>2</sup>
Deck Strength AFT:	2,050 lb/ft <sup>2</sup>	10 t/m <sup>2</sup>
Class Notations:	DNV: +1A1, Fire fighter(I), Clean(Design), COM-F(V-3), DK(+), DYNPOS(AUTR), EO, HL(2.8), LFL(*), NAUT(OSV(A)), OILREC, SF	

### Capacities

Deck Cargo:	1,900 lt	1,930 t
Fuel Oil:	243,000 gal	920 m <sup>3</sup>
Potable Water:	72,200 gal	270 m <sup>3</sup>
Fresh Water:	211,000 gal	800 m <sup>3</sup>
Drill/Ballast Water:	478,000 gal	1,810 m <sup>3</sup>
Bulk Tanks (6 tanks):	12,100 ft <sup>3</sup>	340 m <sup>3</sup>
Liquid Mud (2.5 SG*):	6,150 bbl	980 m <sup>3</sup>
*Max Structural Specific Gravity		
Methanol:	660 bbl	100 m <sup>3</sup>
Base Oil:	1,600 bbl	250 m <sup>3</sup>
Fire Fighting Foam:	420 gal	1.6 m <sup>3</sup>

## TIDEWATER

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Pg.2 Further Specifications  
Pg.3 General Arrangement

Pg.4 Capacity Table  
Pg.5 DP Capability Plot

**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.

LAST UPDATE: 11/17/2023

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## 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 hz
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 mt	

### 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: SINGAPORE	Home Port: SINGAPORE
Hull Number: 89	IMO N <sup>o</sup> : 9575620
Year Built: 2013	Call Sign: 9V9014
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 m³/day (150 gph) @ 12 knots	
Economical:	8.3 m³/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

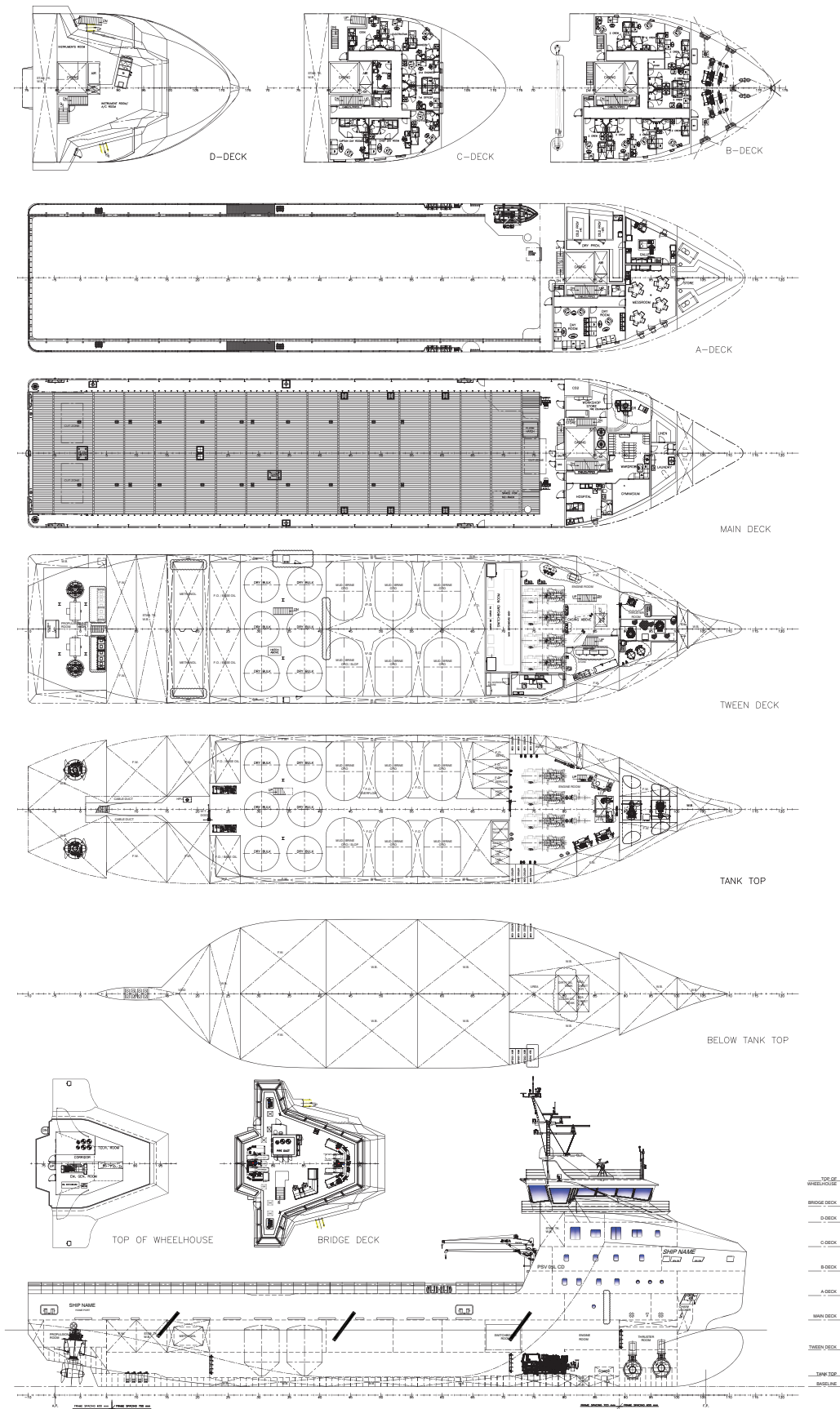
### Nav/Comms Equipment

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:	6-Man VIKING 470 GRP
Reefer Sockets:	8x 440V 16A, 12x 220V 16A, 6x 110V 32A
Misc:	ORO Capacity - 977.5 m³; MSD - 30 Persons; Eye Wash Station

\*Approximate values assuming Ideal Conditions



## Capacity Table



\*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.

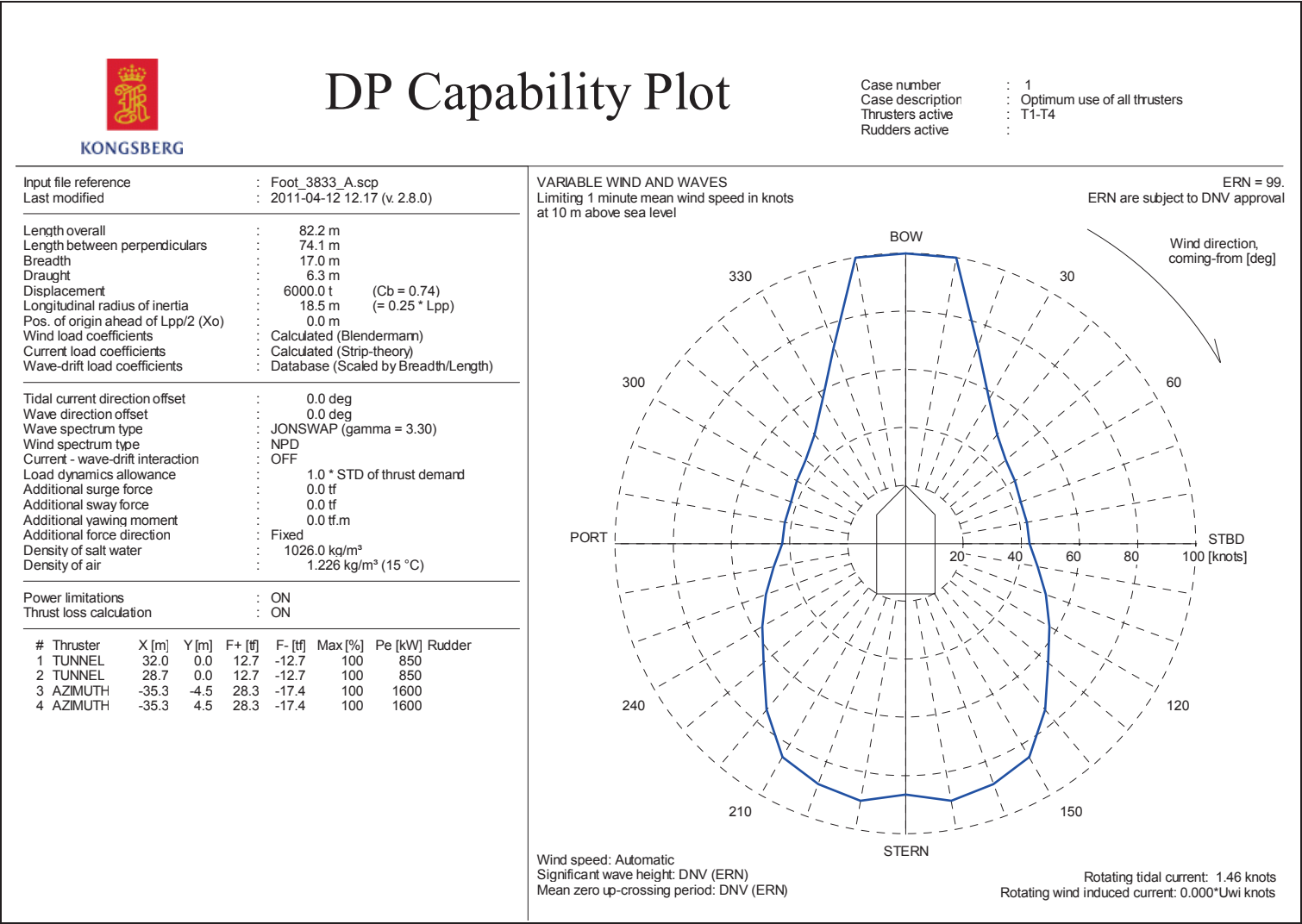


Figure 10: DP capability envelope for case 1.