

TRIUMPH TIDE



TITUS TIDE as shown, TRIUMPH 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:	0.9 ft	0.3 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	4,020 mt
Clear Deck Space:	190 x 44 ft	58 x 14 m
Clear Deck Area:	8,720 ft ²	810 m ²
Deck Strength FWD:	1,020 lb/ft ²	5 t/m ²
Deck Strength AFT:	2,050 lb/ft ²	10 t/m ²
Class Notations:	DNV: +1A1, Fire fighter(I), Clean(Design), COM-F(V-3), DK(+), DYNPOS(AUTR), EO, HL(2.8), 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):	11,000 ft	310 m ³
Liquid Mud (2.5 SG*):	6,150 bbl	980 m ³
<small>*Max Structural Specific Gravity</small>		
Methanol:	660 bbl	100 m ³
Base Oil:	1,600 bbl	250 m ³
Fire Fighting Foam:	450 gal	1.7 m ³

TIDEWATER

Find out more

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Pg.2 Further Specifications
Pg.3 General Arrangement

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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

Diesel Electric Vessel			
<i>Propulsive/Total HP:</i>	4,290 / 6,920		
Z-Drives:	Yes		
Propellers (2):	STP 1212 FPP, 1600KW		
Primary Generators (4):	1,200 kw	690 v	60 hz
<i>Driven by:</i>	CUMMINS KTA50-D(M1)		
Emergency Generators (1):	100 kw	690 v	60 hz
<i>Driven by:</i>	CUMMINS 6CT-8.3-D(M)		
Bow Thruster (2):	FU-74-LTC-2000 TUNNEL		
<i>Driven by:</i>	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: NORWAY	Home Port: SANDNES
Hull Number: 92	IMO N^o: 9624756
Year Built: 2014	Call Sign: LAEX8
Builder:	Cochin Shipyard Limited
Tonnage (ITC):	3455 GT / 1406 NT

Performance*

Fuel Consumption Vs Speed		
<i>Maximum:</i>	28.2 m ³ /day (310 gph) @ 15 knots	
<i>Cruising:</i>	13.2 m ³ /day (150 gph) @ 12 knots	
<i>Economical:</i>	8.3 m ³ /day (91.4 gph) @ 10 knots	
<i>Standby:</i>	2 m ³ /day (22 gph) @ 0 knots	
Range @ 12 Knots:	20,000 nm	
Transfer Rates		
<i>Fuel Oil:</i>	660 gpm @ 300 ft	150 m ³ /h @ 92 m
<i>Fresh Water:</i>	660 gpm @ 300 ft	150 m ³ /h @ 92 m
<i>Drill/Ballast Water:</i>	660 gpm @ 300 ft	150 m ³ /h @ 92 m
<i>Bulk:</i>	33.6 cfm @ 190 ft	57 m ³ /h @ 57 m
<i>Liquid Mud:</i>	330 gpm @ 800 ft	75 m ³ /h @ 240 m
<i>Base Oil:</i>	220 gpm @ 300 ft	50 m ³ /h @ 92 m
<i>Brine:</i>	330 gpm @ 700 ft	75 m ³ /h @ 210 m
<i>Methanol:</i>	220 gpm @ 300 ft	50 m ³ /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

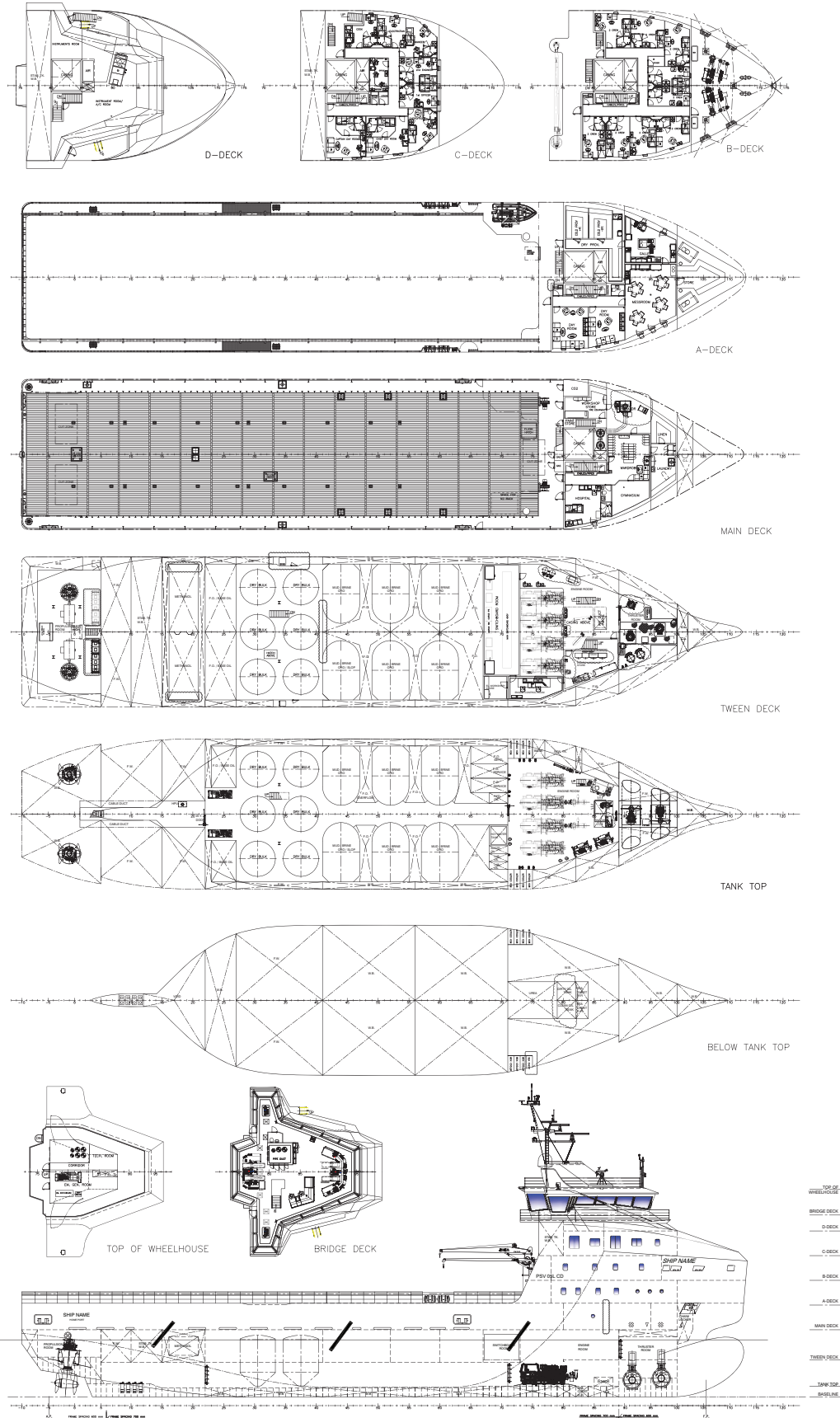
Special Equipment

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:	8x 440V 16A, 9x 230V 16A
Misc:	ORO Capacity - 977.5 m ³ ; MSD - 30 Persons; Eye Wash Station

*Approximate values assuming Ideal Conditions

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General Arrangement (Current configuration may vary.)





KONGSBERG

DP Capability Plot

Case number : 1
 Case description : Optimum use of all thrusters
 Thrusters active : T1-T4
 Rudders active :

Input file reference : Foot_3833_A.scp
 Last modified : 2011-04-12 12.17 (v. 2.8.0)

Length overall : 82.2 m
 Length between perpendiculars : 74.1 m
 Breadth : 17.0 m
 Draught : 6.3 m
 Displacement : 6000.0 t (Cb = 0.74)
 Longitudinal radius of inertia : 18.5 m (= 0.25 * Lpp)
 Pos. of origin ahead of Lpp/2 (Xo) : 0.0 m
 Wind load coefficients : Calculated (Blendemann)
 Current load coefficients : Calculated (Strip-theory)
 Wave-drift load coefficients : Database (Scaled by Breadth/Length)

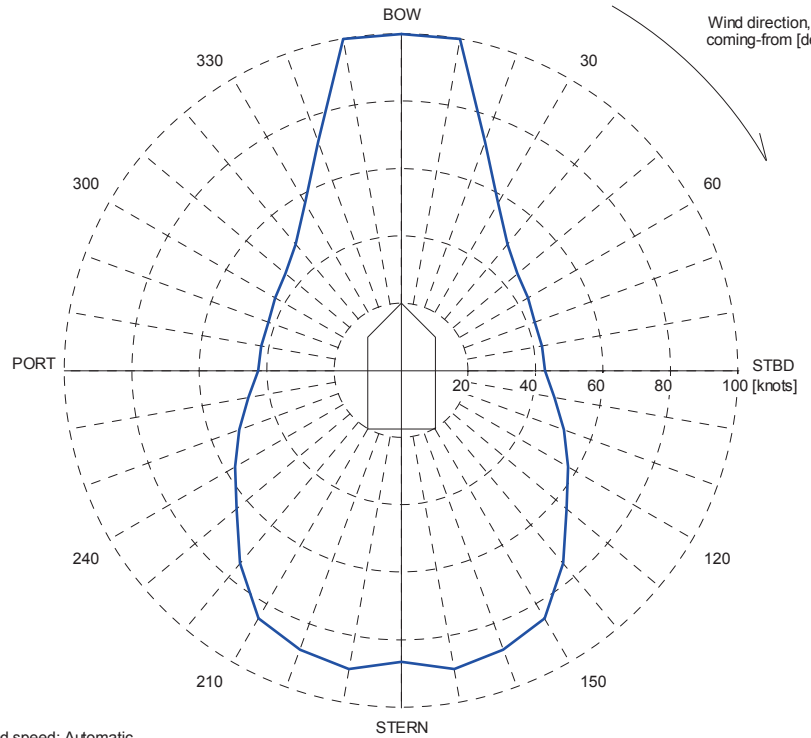
Tidal current direction offset : 0.0 deg
 Wave direction offset : 0.0 deg
 Wave spectrum type : JONSWAP (gamma = 3.30)
 Wind spectrum type : NPD
 Current - wave-drift interaction : OFF
 Load dynamics allowance : 1.0 * STD of thrust demand
 Additional surge force : 0.0 tf
 Additional sway force : 0.0 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 : ON
 Thrust loss calculation : ON

#	Thruster	X [m]	Y [m]	F+ [tf]	F- [tf]	Max [%]	Pe [kW]	Rudder
1	TUNNEL	-32.0	0.0	12.7	-12.7	100	850	
2	TUNNEL	28.7	0.0	12.7	-12.7	100	850	
3	AZIMUTH	-35.3	-4.5	28.3	-17.4	100	1600	
4	AZIMUTH	-35.3	4.5	28.3	-17.4	100	1600	

VARIABLE WIND AND WAVES
 Limiting 1 minute mean wind speed in knots
 at 10 m above sea level

ERN = 99.
 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

Figure 10: DP capability envelope for case 1.