# **TITUS TIDE**





# STX 05-L CD PSV

#### **Vessel Characteristics**

Length, Overall:Image: State of the state of							
NumberDepth:24.9 ftMaximum Draft:24.9 ftLight Draft:20.7 ftMinimum Height:9.5 ftPreeboard:3.0 ftMinimum Height:3.0 ftSpacement:6.3 onDisplacement:6.3 onClear Deck Space:1.0 ftStrength FWD:1.020 lb/ftDeck Strength AFT:2.050 lb/ft2DNV: +1A1, Clean(Designt), EO, HLZ:SNUT(SV,AUTR), EO, HLZ:	Length, Overall:	269.7 ft	82.2 m				
Naximum Draft:Interference of the second	Beam:	55.8 ft	17 m				
Light Draft:International of the field of the	Depth:	24.9 ft	7.6 m				
Ninimum Height:InterferePreeboard:95.8 ftDisplacement:6.390 ltDeadweight:6.390 ltClear Deck Space:190 x 44 ftClear Deck Area:8.720 ft²Deck Strength FWD:1,020 lb/ft²Deck Strength AFT:2,050 lb/ft²DNV: +1A1, Clean(Design); COMF(V-3), DK(+), DYNPOS(AUTR), EO, HLZ:	Maximum Draft:	20.7 ft	6.3 m				
Freeboard:     A.3 mt       Displacement:     A.3 ft       Displacement:     A.3 ft       Deadweight:     A.3 ft       Jeadweight:     A.3 ft       Clear Deck Space:     A.3 ft       Displacement:     A.3 ft       Clear Deck Area:     A.3 ft       Deck Strength FWD:     A.3 ft       Deck Strength AFT:     A.3 ft       DNV: +1A1, Clean(Designt, FWT, FU, FU, FU, FU, FU, FU, FU, FU, FU, FU	Light Draft:	9.5 ft	2.9 m				
Displacement:     6,390 lt     6,500 mt       Deadweight:     3,970 lt     4,040 mt       Clear Deck Space:     190 x 44 ft     58 x 14 m       Clear Deck Area:     8,720 ft²     810 m²       Deck Strength FWD:     1,020 lb/ft²     5 t/m²       Deck Strength AFT:     2,050 lb/ft²     10 t/m²       Class Notations:     DNV: +1A1, Clean(Design), NUT(OSV(A)),     NUT(OSV(A)),	Minimum Height:	95.8 ft	29.2 m				
Deadweight:3,970 lt4,040 mtClear Deck Space:190 x 44 ft58 x 14 mClear Deck Area:8,720 ft²810 m²Deck Strength FWD:1,020 lb/ft²5 t/m²Deck Strength AFT:2,050 lb/ft²10 t/m²Class Notations:DNV: +1A1, Clean(Design, NAUT(OSV(A)), DYNPOS(AUTR), E0, HLZ-B), NAUT(OSV(A)),	Freeboard:	4.3 ft	1.3 m				
Clear Deck Space:     190 x 44 ft     58 x 14 m       Clear Deck Area:     8,720 ft²     810 m²       Deck Strength FWD:     1,020 lb/ft²     5 t/m²       Deck Strength AFT:     2,050 lb/ft²     10 t/m²       Class Notations:     DNV: +1A1, Clean(Design), COMF(V-3), DK(+), DYNPOS(AUTR), E0, HL(2.8), NAUT(OSV(A)),	Displacement:	6,390 lt	6,500 mt				
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Deck Strength AFT: 2,050 lb/ft² 10 t/m²   Class Notations: DNV: +1A1, Clean(Design), COMF(V-3), DK(+), DYNPOS(AUTR), E0, HL(2.8), NAUT(OSV(A)),	Clear Deck Area:	8,720 ft²	810 m <sup>2</sup>				
Class Notations:     DNV: +1A1, Clean(Design), COMF(V-3), DK(+), DYNPOS(AUTR), E0, HL(2.8), NAUT(OSV(A)),	Deck Strength FWD:	1,020 lb/ft²	5 t/m²				
DYNPOS(AUTR), E0, HL(2.8), NAUT(OSV(A)),	Deck Strength AFT:	2,050 lb/ft²	10 t/m <sup>2</sup>				
	Class Notations:	DYNPOS(AUTR), E0, HL(2.8), NAUT(OSV(A)),					

#### 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):	11,100 ft³	310 m <sup>3</sup>
Liquid Mud (2.5 SG*): *Max Structural Specific Gravity	6,150 bbl	980 m³
Methanol:	660 bbl	100 m <sup>3</sup>
Base Oil:	1,600 bbl	250 m³
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 dilig 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.

### **TITUS 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 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: NORWAY	Home Port: SKUDENESHAVN					
Hull Number: 90	<b>IMO N<sup>0</sup>:</b> 9575632					
Year Built: 2014	Call Sign: LAFG8					
Builder:	Cochin Shipyard Limited					
Tonnage (ITC):	3455 GT	1406 NT				

#### **Performance**\*

Fuel Consumption Vs Speed								
Maximum:	28.2 m³/day (310 gph) @ 14 knots							
Cruising:	13.2 r	n³/day (150 gph) @ 11 knots						
Economical:	8.6 m <sup>3</sup>	³/day (94.7 gph) @ 10 knots						
Standby:	2	m³/day (22 gph) @ 0 knots						
Range @ 11 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 NOREQ RRB 500 MOB
Reefer Sockets:	14x 440V 32A, 5x 220V 16A
Misc:	ORO Capacity - 977.5 m3; MSD - 30 Persons; Eye Wash Station

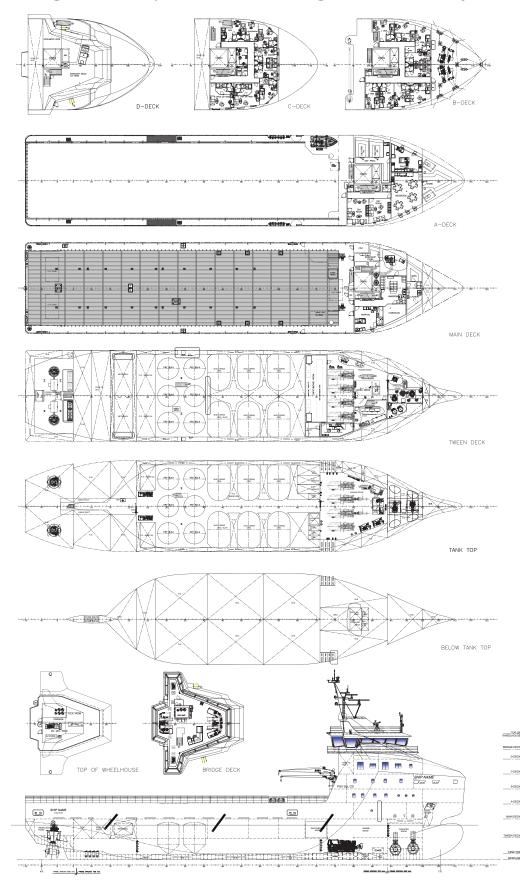
\*Approximate values assuming Ideal Conditions

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## **TITUS TIDE** General Arrangement (Current configuration may vary.)





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### **TITUS TIDE** Capacity Table



		Volume	Base	Fuel	Dry		Potable	Fresh		Liquid		Lube		Oil
Tank	Contents	m <sup>3</sup>	Oil	Oil	Bulk	DW/WB	Water	Water	Brine	Mud	Methanol	Oil	Foam	Disp.
1 FOREPEAK	DW/WB	126.6				126.6								
2 WB DB	DW/WB	45.0				45.0								
3 WB DB	DW/WB	55.8				55.8								
4 WB DB	DW/WB	55.8				55.8								
5 WB DB	DW/WB	97.5				97.5								
6 WB DB	DW/WB	97.5				97.5								
7 WB DB	DW/WB	98.6				98.6								
8 WB DB 11 WB DB	DW/WB	98.6 60.6				98.6 60.6								
26 WB WT	DW/WB	52.5				52.5								
28 WB WT	DW/WB	51.6				51.6								
30 WB WT	DW/WB	12.2				12.2								
31 WB WT	DW/WB	52.5				52.5								
32 BO CD	DW/WB	15.6				15.6								
33 WB WT	DW/WB	51.6				51.6								
35 WB WT	DW/WB	12.2				12.2								
37 CD	DW/WB	15.5				15.5								
38 AFTPEAK SB	DW/WB	110.2				110.2								
39 MET CD	DW/WB	197.4				197.4								
40 STAB TK	DW/WB	215.0				215.0								
45 AFTPEAK PS	DW/WB	101.5				101.5								
81 STAB TK	DW/WB	186.6				186.6								
9 FW DB WB	FW	101.1						101.1						
10 FW DB WB	FW	101.1						101.1						
18 FW WT	Ship's FW	74.4					74.4							
19 FW WT	Ship's FW	74.4					74.4							
20 FW WT	Ship's FW	64.7					64.7							
21 FW WT	Ship's FW	59.8					59.8							
22 FW WT	FW	55.6						55.6						
34 FW TK	FW	81.9						81.9						
36 FW WT	FW	175.8						175.8						
41 FW TK	FW	81.9						81.9						
43 FW WT	FW	175.8						175.8						
79 FW WT	FW	25.8		101.1				25.8						
58 FO TK	FO	101.1		101.1										
59 FO TK	FO	73.0		73.0										
62 FO TK 63 FO TK	FO	90.5 28.1		90.5 28.1										
66 FO TK	FO	159.6		159.6										
67 FO TK	FO	90.5		90.5										
69 FO TK	FO	122.6		122.6										
73 FO SREVICE	FO	18.6		18.6										
75 FO SERVICE	FO	18.6		18.6										
77 FO SETTLING	FO	21.5		21.5										
46 BO TK SB	FO/BO	127.4	127.4	127.4										
47 BO TK PS	FO/BO	127.4	127.4	127.4										
48 METH SB	METH	52.3									52.3			
49 METH PS	METH	52.3									52.3			
56 MUD TK	LM/ORO	162.9								162.9				
57 MUD TK	LM/ORO	162.9								162.9				
60 MUD TK	LM/ORO	162.9								162.9				
61 MUD TK	LM/ORO	162.9								162.9				
64 MUD TK	LM/ORO	163.0								163.0				
65 MUD TK	LM/ORO	162.9								162.9				
50 CEM TK	DRY BULK	51.9			51.9									
51 CEM TK	DRY BULK	51.9			51.9									
52 CEM TK	DRY BULK	51.9			51.9									
53 CEM TK	DRY BULK	51.9			51.9									
54 CEM TK	DRY BULK	51.9			51.9									
55 CEM TK	DRY BULK	51.9			51.9									
71 LUB OIL	LO	6.1										6.1		
FOAM TK	FOAM	1.6											1.6	
	Total Va	lume [m <sup>3</sup> ]	254.9	978.9	311 /	1,810.4	272.2	799.0	0.0	977.5	104.6	6.1	1.6	0.0
		-												
*Canacities shown are	Sheet Total Vo			920.2		1,810.4	273.3	799.0	0.0	977.5	104.6	6.1	1.6	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.

NOTICE: The

# **TITUS TIDE** DP Capability Plot



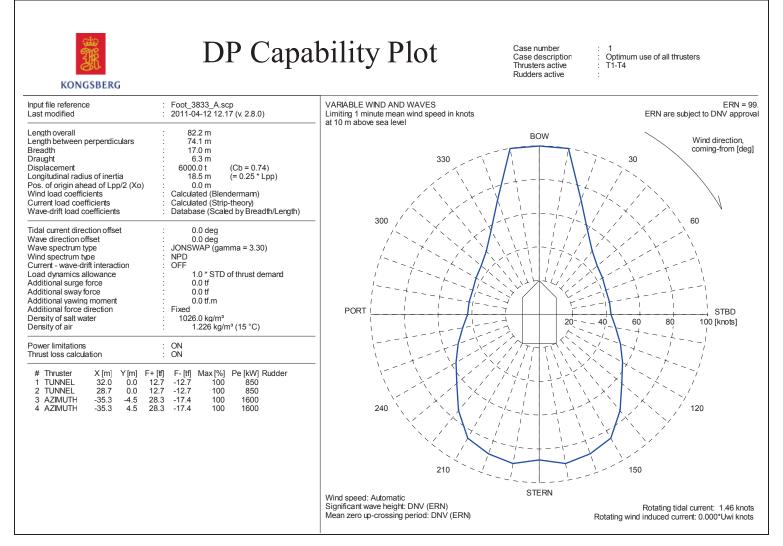


Figure 10: DP capability envelope for case 1.

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