



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	4,040 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/ft ²	5 t/m ²
Deck Strength AFT:	2,050 lb/ft ²	10 t/m ²
Class Notations:	DNV: +1A1, Clean(Design), COMF(V-3), DK(+), DYNPOS(AUTR), E0, HL(2.8), NAUT(OSV(A)), OILREC, SF	

Capacities

Deck Cargo:	1,900 lt	1,930 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 ft ³	340 m ³
Liquid Mud (2.5 SG*):	6,150 bbl	980 m ³
*Max Structural Specific Gravity		
Methanol:	N/A bbl	N/A m ³
Base Oil:	1,600 bbl	250 m ³
Fire Fighting Foam:	420 gal	1.6 m ³

TIDEWATER

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Pg.2 Further Specifications
Pg.3 General Arrangement

Pg.4 Capacity Table
Pg.5 DP Capability Plot



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	IMO N ^o : 9575632
Year Built: 2014	Call Sign: LAFG8
Builder:	Cochin Shipyard Limited
Tonnage (ITC):	3455 GT1406 NT

Performance*

Fuel Consumption Vs Speed		
Maximum:	28.2 m³/day (310 gph) @ 14 knots	
Cruising:	13.2 m³/day (150 gph) @ 11 knots	
Economical:	8.6 m³/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

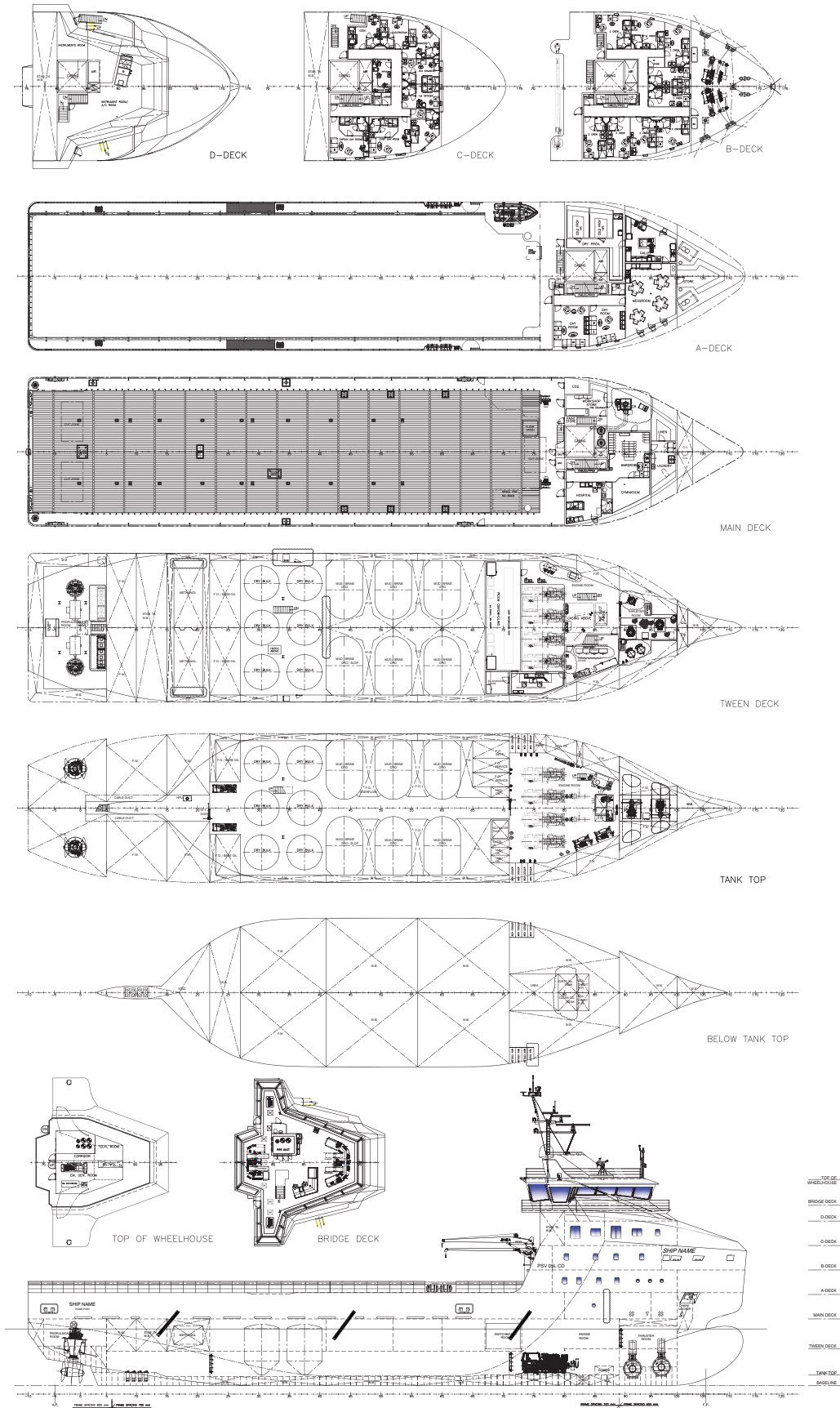
Nav/Comms Equipment

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:	16x 440V 16A, 16x 220V 16A
Misc:	ORO Capacity - 977.5 m3; MSD - 30 Persons; Eye Wash Station

*Approximate values assuming Ideal Conditions



*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.

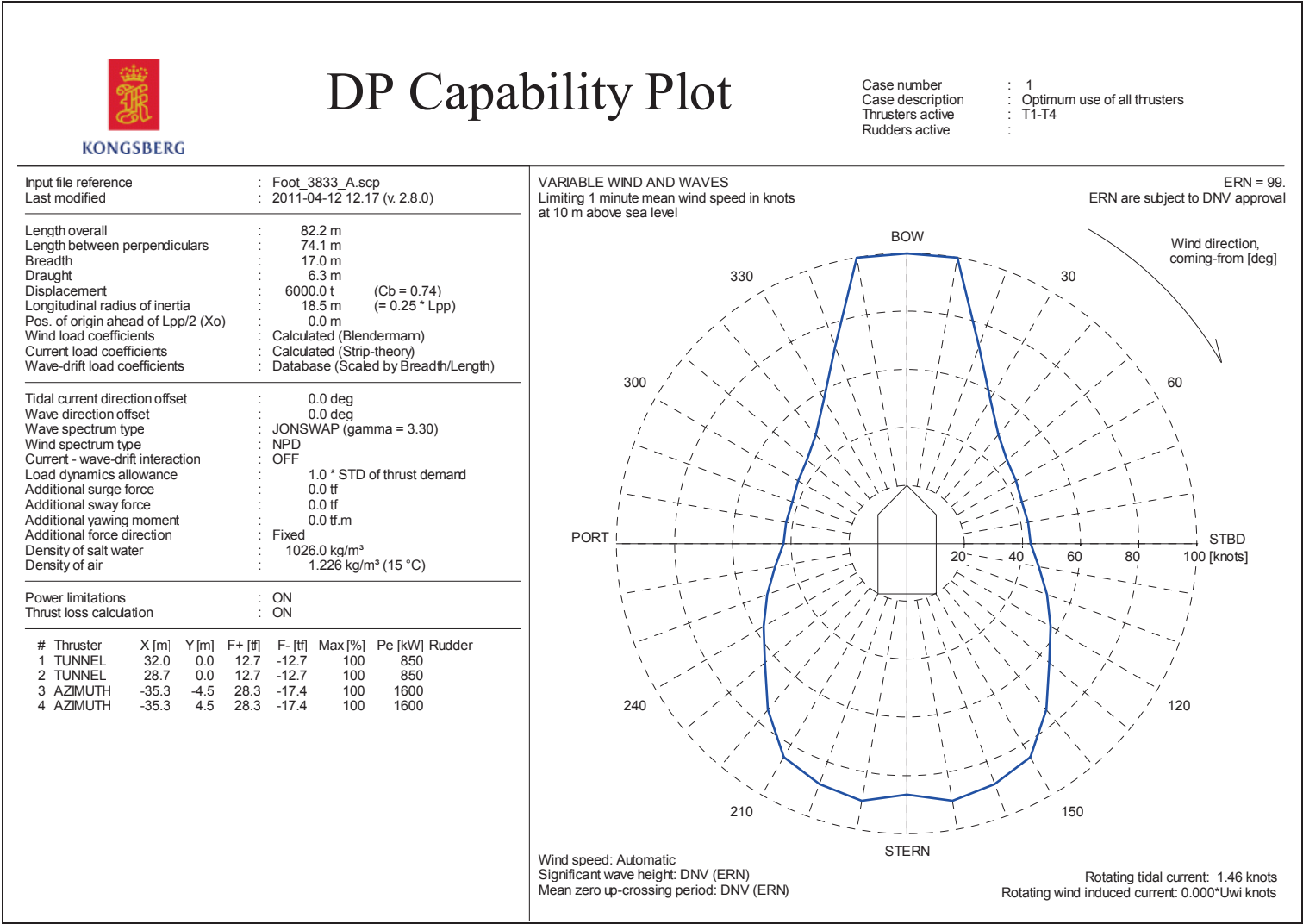


Figure 10: DP capability envelope for case 1.