

# NORTH PURPOSE



## STX PSV 09 CD PLATFORM SUPPLY VESSEL

### Vessel Characteristics

Length, Overall:	284.8 ft	86.8 m
Beam:	62.3 ft	19 m
Depth:	26.3 ft	8 m
Maximum Draft:	21.7 ft	6.6 m
Light Draft:	9.8 ft	3 m
Minimum Height:	86.3 ft	26.3 m
Freeboard:	4.6 ft	1.4 m
Displacement:	7,430 lt	7,550 mt
Deadweight:	4,720 lt	4,790 mt
Clear Deck Space:	205 x 52 ft	63 x 16 m
Clear Deck Area:	10,800 ft <sup>2</sup>	1000 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, Clean(Design), COAT-PSPC(B), COM-F(C-3, V-3), DK(+), DYNPOS(AUTR), E0, HL(2.8), LFL(*), NAUT(OSV(A)), SF	

### Capacities

Deck Cargo:	2,660 lt	2,700 t
Fuel Oil:	252,000 gal	950 m <sup>3</sup>
Potable Water:	21,500 gal	81.4 m <sup>3</sup>
Fresh Water:	226,000 gal	860 m <sup>3</sup>
Drill/Ballast Water:	615,000 gal	2,330 m <sup>3</sup>
Bulk Tanks (6 tanks):	9,540 ft <sup>3</sup>	270 m <sup>3</sup>
Liquid Mud (2.8 SG*):	6,030 bbl	960 m <sup>3</sup>
*Max Structural Specific Gravity		
Methanol:	1,050 bbl	170 m <sup>3</sup>
Base Oil:	1,550 bbl	250 m <sup>3</sup>
Brine:	3,130 bbl	500 m <sup>3</sup>
Fire Fighting Foam:	530 gal	2 m <sup>3</sup>

## TIDEWATER

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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.

LAST UPDATE: 11/21/2023

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## Further specifications



### Machinery

Diesel Electric Vessel			
Propulsive/Total HP:	5,870 / 10,700		
Z-Drives:	Yes		
Propellers (2):	2X 2200KW CPP		
Primary Generators (4):	1,820 kw	690 v	60 hz
Driven by:	CAT 3516B		
Secondary Generators (1):	420 kw	690 v	60 hz
Driven by:	CAT C18		
Emergency Generators (1):	98 kw	690 v	60 hz
Driven by:	PERKINS 6TG2AM		
Bow Thruster (3):	2x RRM TT 2200 DPN FP, 1x ZF 6011 RT		
Driven by:	880KW ELECTRIC MOTORS		
Total Thrust:	44.2 st	40.1 mt	

### Deck Equipment

Anchors (2):	3,540 KG SPEK TYPE
Anchor Chain:	260 m of 46 mm chain per side
Windlass:	2x ODIM 46K3 15.5T @ 15M/MIN
Crane (1):	5 t @ 10 m
Aux. Crane (1):	1 t @ 10 m
Capstans (2):	10 t ODIM 1005-10T-CAP
Tugger (2):	10 t HARAM ELEKTRO 4005-TUW-10T

### Accommodations

No. of Berths:	26
Cabins:	10x1-man & 8x2-man
Certified to Carry:	26
Galley seating:	20
Hospital:	Yes

### Registration

Flag: NORWAY	Home Port: SANDNES
Hull Number: 127	IMO NO: 9439462
Year Built: 2010	Call Sign: LNHS3
Builder:	STX Norway Offshore AS Søviknes
Tonnage (ITC):	3639 GT 1187 NT

### Performance\*

Fuel Consumption Vs Speed		
Maximum:	27 m³/day (300 gph) @ 14 knots	
Cruising:	14 m³/day (150 gph) @ 12.5 knots	
Economical:	12 m³/day (130 gph) @ 11 knots	
Standby:	1.6 m³/day (17.6 gph) @ 0 knots	
Range @ 12.5 Knots:	21,900 nm	
Transfer Rates		
Fuel Oil:	1,100 gpm @ 300 ft	250 m³/h @ 92 m
Fresh Water:	1,100 gpm @ 300 ft	250 m³/h @ 92 m
Drill/Ballast Water:	1,100 gpm @ 300 ft	250 m³/h @ 92 m
Bulk:	26.5 cfm @ 200 ft	45 m³/h @ 61 m
Liquid Mud:	330 gpm @ 800 ft	75 m³/h @ 240 m
Base Oil:	440 gpm @ 250 ft	100 m³/h @ 76 m
Brine:	330 gpm @ 700 ft	75 m³/h @ 210 m
Methanol:	330 gpm @ 300 ft	75 m³/h @ 90 m

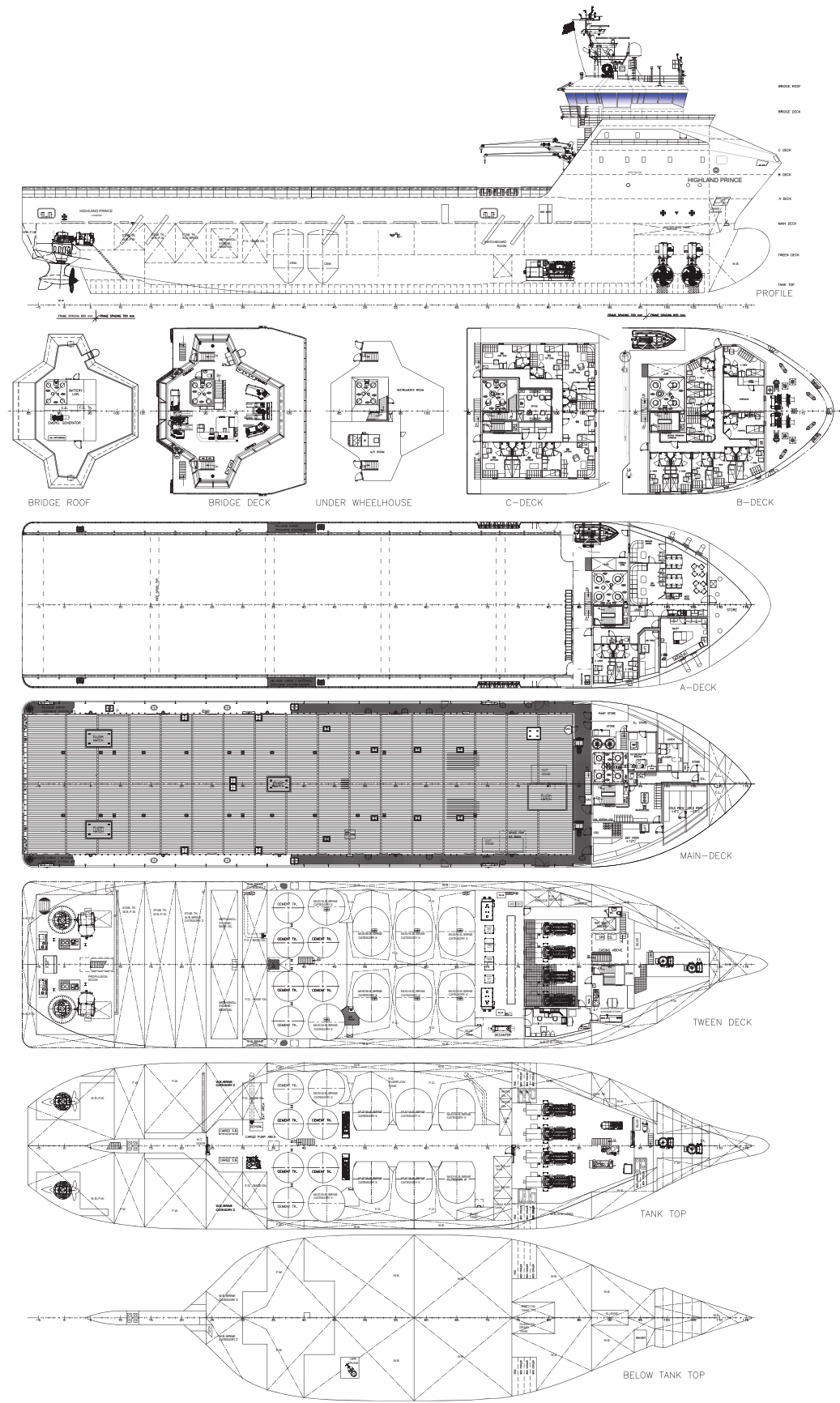
### Nav/Comms Equipment

Radar(s):	2
Depth Sounder:	1
Gyro Compass:	3
Wind Speed Indicators:	2
Doppler Log:	1
Radio:	3 x VHF; 1 x SSB
Sat Com:	INMARSAT-C

### Special Equipment

Dynamic Positioning:	DP-2
Ref. Systems:	2 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 Midget 500 MKII
Reefer Sockets:	10x 220V 16A; 10x 440V 16A
Misc:	MSD 50 Persons; Eye Wash Station; SHOREPOWER CONNECTION: 2 x 350A; 1x BHS AIR DRIER

\*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.

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## DP Capability Plot

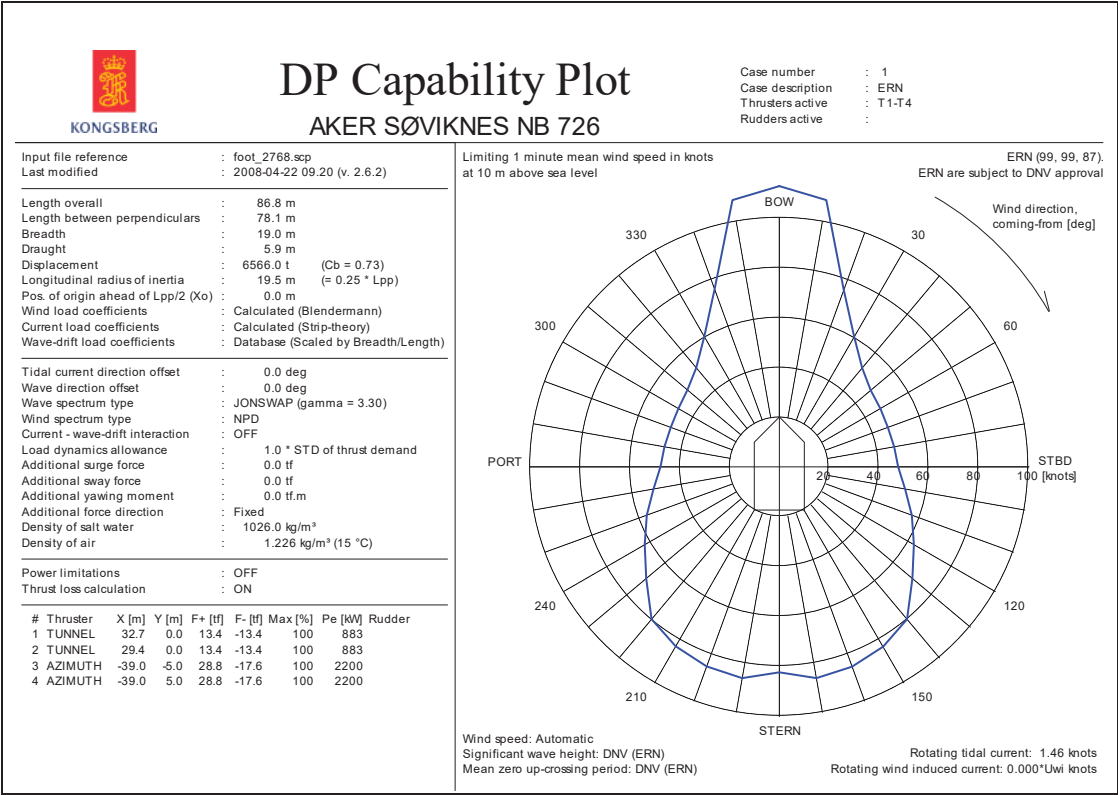


Figure 10: DP capability envelope for case 1.