



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:	4,690 lt	4,760 mt				
Clear Deck Space:	205 x 52 ft	63 x 16 m				
Clear Deck Area:	10,800 ft ²	1000 m ²				
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), COAT-PSPC(B), COM-F(V-3), DK(+), DYNPOS(AUTR), E0, HL(2.8), LFL(*), NAUT(OSV(A)), SF					

Capacities

Deck Cargo:	2,510 lt	2,550 t
Fuel Oil:	248,000 gal	940 m ³
Potable Water:	21,500 gal	81.4 m ³
Fresh Water:	226,000 gal	860 m ³
Drill/Ballast Water:	613,000 gal	2,320 m ³
Bulk Tanks (6 tanks):	9,540 ft³	270 m ³
Liquid Mud (2.8 SG*): *Max Structural Specific Gravity	6,030 bbl	960 m ³
Methanol:	1,050 bbl	170 m³
Base Oil:	1,550 bbl	250 m ³
Brine:	3,130 bbl	500 m ³
Fire Fighting Foam:	530 gal	2 m ³

TIDEWATER

Find out more

Pg.2 Further Specifications Pg.3 General Arrangement

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Pg.4 Capacity Table Pg.5 DP Capability Plot

Further specifications



Machinery

Diesel Electric Vessel						
Propulsive/Total HP:			5,900 / 8,880			
Z-Drives:			Yes			
Propellers (2):	2X 2200KW AZP 100CF					
Primary Generators (4):	1,660 kw	690 v	60 hz			
Driven by:	WARTSILA 9L20/AVK					
Secondary Generators (1):	420 kw 690 v 60 hz					
Driven by:			CAT C18			
Emergency Generators (1):	97 kw	690 v	60 hz			
Driven by:	PERKINS 6TGM					
Bow Thruster (2):	RR TT2200 DPN FP					
Driven by:		880kW ELECT	RIC MOTORS			
Total Thrust:		29.5 st	26.8 mt			

Deck Equipment

Anchors (2):	3540KG SPEC TYPE
Anchor Chain:	260 m of 46 mm chain per side
Windlass:	2x ODIM OBW 46K3
Crane (1):	10 t @ 10 m
Aux. Crane (1):	1 t @ 10 m
Capstans (2):	10 t ODIM 1005-10T-CAP
Tugger (2):	10 t HARAM ELEKTRO TUW-10T

Accommodations

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

Registration

Flag: UNITED KINGDOM	Home Port: LONDON
Hull Number: 728	IMO N^o: 9465136
Year Built: 2010	Call Sign: 2DJE3
Builder:	STX Norway Offshore AS Søviknes
Tonnage (ITC):	3639 GT 1190 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 r	n³/day (130 gph) @ 11 knots						
Standby:	1.6 r	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

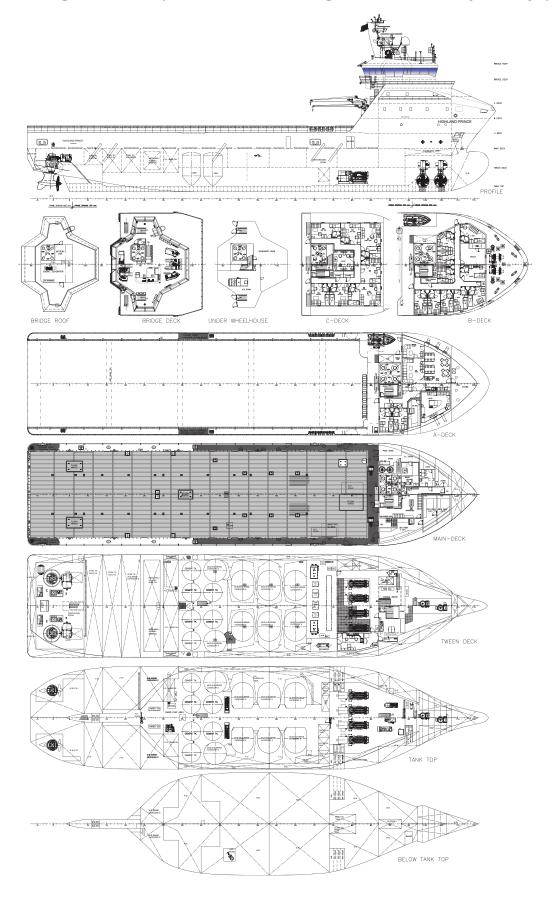
Special Equipment

Dynamic Positioning:	DP-2
Ref. Systems:	$2 \times MRU; 3 \times DGPS$ $1 \times Microwave-based; 1 \times Laser-based$
Mud Circulation System/ Mud Mixers:	Yes/Yes
Tank Cleaning:	Yes
Rescue Boat:	Norsafe Midget 6-Man MOB
Gas Detection:	2X PORTABLE DETECTORS
Misc:	MSD - 50 Persons; 1x BHS Air Dryer; Eye Wash Station; HiPAP Ready

^{*}Approximate values assuming Ideal Conditions

General Arrangement (Current configuration may vary.)





Capacity Table



Tank	Contents	Volume m ³	Base Oil	Fuel Oil	Dry Bulk	DW/WB	Potable Water	Fresh Water	Brine	Liquid Mud	Methanol	Lube Oil	Foam	Oil Disp.
1 FOREPEAK TK	DW/WB	101.3	Oil	Oli	Buik	101.3	water	water		mau		Oll		Pish.
4 DB WB TK 3 SB	DW/WB	120.3				120.3								
5 DB WB TK 3 PS	DW/WB	109.3				109.3								
6 WING TK 4 SB	DW/WB	84.0				84.0								
7 DB WING TK 4 PS	DW/WB	134.9				134.9								
8 DB TK 4 SB	DW/WB	57.9				57.9								
10 DB WING TK 5 SB	DW/WB	196.6				196.6								
11 DB WING TK 5 BB	DW/WB	196.6				196.6								
12 DB WING TK 6 SB						196.8								
13 DB WING TK 6 SB	DW/WB	196.8 201.0				201.0								
16 DB WING TK 9 SB									404.0					
	DW/WB/BR	104.0				104.0			104.0					
17 DB WING TK 9 PS	DW/WB/BR	102.1				102.1			102.1					
24 CD METH TK	DW/WB	186.8				186.8								
25 STAB 1	DW/WB/BR	291.8				291.8			291.8					
26 STAB 2	DW/WB/FW	287.9				287.9		287.9						
27 STAB 3	DW/WB/FW	197.3				197.3		197.3						
22 AFT PEAK SB	DW/WB/FW	122.5				122.5		122.5						
23 AFT PEAK PS	DW/WB/FW	113.8				113.8		113.8						
2 FW 2 SB	Ship's FW	40.7					40.7							
3 FW 2 PS	Ship's FW	40.7					40.7							
14 FW 7 SB	FW	62.5						62.5						
15 FW 7 PS	FW	62.5						62.5						
18 FW 10 SB	FW	70.4						70.4						
19 FW 10 PS	FW	70.4						70.4						
20 FW 11 SB	FW	53.1						53.1						
21 FW 11 PS	FW	53.1						53.1						
46 BASE OIL SB	FO/BO	126.1	126.1	126.1										
47 BASE OIL PS	FO/BO	120.8	120.8	120.8										
42 FO CARGO 5 SB	FO	142.5		142.5										
43 FO CARGO 5 PS	FO	203.7		203.7										
44 FO CARGO 6 SB	FO	181.2		181.2										
45 FO CARGO 7 PS	FO	62.7		62.7										
49 FO CARGO 7 FS	FO	100.1		100.1										
50 FO SERV 2	FO	18.8		18.8										
51 FO SERV	FO	13.2		13.2										
71 FO SETTLING	FO	8.5		8.5										
76 EMGEN_FOTK	FO	2.0		2.0										
48 FO OVERFLOW PS	FO	43.3		43.3										
28 MUD 1 SB	LM	130.0								130.0				
29 MUD 1 PS	LM	130.0								130.0				
30 MUD 2 SB	LM	130.0								130.0				
31 MUD 2 PS	LM	130.0								130.0				
32 MUD 3 SB	LM	129.8								129.8				
33 MUD 3 PS	LM	129.8								129.8				
34 MUD 4 SB	LM	89.5								89.5				
35 MUD 4 PS	LM	89.5								89.5				
52 METH SB	METH	83.7									83.7			
53 METH PS	METH	83.7									83.7			
Cem TK 1 PS	DRY BULK	45.0			45.0									
Cem TK 1 SB	DRY BULK	45.0			45.0									
Cem TK 2 PS	DRY BULK	45.0			45.0									
Cem TK 2 SB	DRY BULK	45.0			45.0									
Cem TK 3 PS	DRY BULK	45.0			45.0									
Cem TK 3 SB	DRY BULK	45.0			45.0									
61 LUBE OIL	LO	10.4			- 3.0							10.4		
OT LODE OIL	20	10.4										10.4		
		1												
	Total V Spec Sheet Total V	olume [m³]				2,804.9 2,319.7	81.4 81.4	1,093.5 857.2		958.6 958.6	167.4 167.4	10.4 10.4	0.0	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.



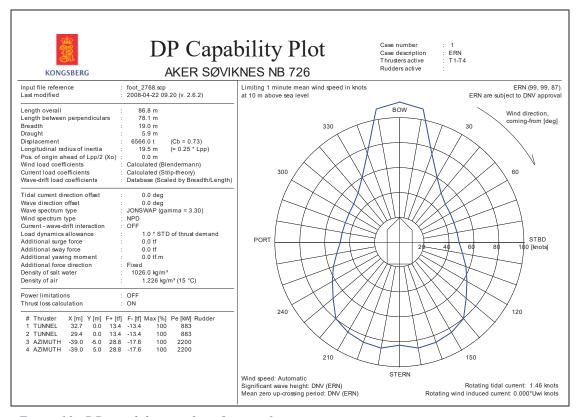


Figure 10: DP capability envelope for case 1.