SERVER TIDE

SUPPORTER TIDE as shown, SERVER TIDE similar

STX 06 CD PSV

Vessel Characteristics

Length, Overall:	309.1 ft	94.2 m
Beam:	65.6 ft	20 m
Depth:	27.2 ft	8.3 m
Maximum Draft:	22.2 ft	6.8 m
Light Draft:	11.2 ft	3.4 m
Minimum Height:	90.2 ft	27.5 m
Freeboard:	5 ft	1.5 m
Displacement:	8,580 lt	8,720 mt
Deadweight:	5,470 lt	5,560 mt
Clear Deck Space:	216 x 54 ft	66 x 17 m
Clear Deck Area:	11,000 ft^2	1,020 m^2
Deck Strength AFT:	2,050 lb/ft^2	10 t/m^2
Class Notations:	DNV: +1A1, Battery(Power), Clean(Design), COMF(V-3), DK(+), DYNPOS(AUTR), E0, HL(2.8), Ice(C), LFL(*), NAUT(OSV(A)), OILREC, SF	

Capacities

Deck Cargo:	3,150 lt	3,200 t
Fuel Oil:	329,000 gal	1,250 m^3
Potable Water:	56,100 gal	210 m^3
Fresh Water:	239,000 gal	900 m^3
Drill/Ballast Water:	654,000 gal	2,480 m^3
Bulk Tanks (6 tanks):	14,300 ft^3	400 m^3
Liquid Mud (2.8 SG*): *Max Structural Specific Gravity	7,980 bbl	1,270 m^3
Methanol:	1,470 bbl	230 m^3
Base Oil:	3,490 bbl	550 m^3
Fire Fighting Foam:	420 gal	1.6 m^3

TIDEWATER

Find out more **tdw.com**

LAST UPDATE: 11/10/2023

SERVER TIDE

Further specifications

Machinery

Diesel Electric Hybrid Vessel			560 kWh Battery
Propulsive/Total HP:			6,700 / 10,100
Z-Drives:			Yes
Propellers (2):			AZP 100RRM AZIPULL, 2500KW
Primary Generators (4):	1,880 kw	690 v	60 hz
Driven by:			MAN 9L21/31
Emergency Generators (1):	130 kw	690 v	60 hz
Driven by:			MITSUBISHI DPMG124-6D16T
Bow Thruster (3):			2x TT200 DPN CP, 1x RR TCNS 73/50-180 SWING DOWN
Driven by:			880KW ELECTRIC MOTORS
Total Thrust:		44.2 st	40.1 mt

Deck Equipment

Anchors (2):	4050 KG M-SPEK
Anchor Chain:	260 m of 50 mm chain per side
Windlass:	2x 17T MW170F/AW 50K3
Crane (1):	5 t @ 10 m
Tugger (2):	10 t MG-HUW

Accommodations

No. of Berths:	28
Cabins:	14x1-man & 7x2-man
Certified to Carry:	28
Galley seating:	20
Hospital:	Yes

Registration

Flag: NORWAY		**Home Port:** SKUDENESHAVN
Hull Number: 753		**IMO N^{O}:** 9591856
Year Built: 2011		**Call Sign:** LCLU
Builder:		STX OSV Langsten
Tonnage (ITC):	4590 GT	1993 NT

Performance*

Fuel Consumption Vs Speed		
Maximum:		24 m³/day (260 gph) @ 15.5 knots
Cruising:		16 m³/day (180 gph) @ 12 knots
Economical:		11 m³/day (120 gph) @ 11 knots
Standby:		2 m³/day (22 gph) @ 0 knots
Range @ 12 Knots:		22,400 nm
Transfer Rates		
Fuel Oil:	1100 gpm @ 300 ft	250 m³/h @ 90 m
Fresh Water:	1100 gpm @ 300 ft	250 m³/h @ 90 m
Drill/Ballast Water:	1100 gpm @ 300 ft	250 m³/h @ 90 m
Bulk:	39.6 cfm @ 190 ft	67.3 m³/h @ 57 m
Liquid Mud:	440 gpm @ 830 ft	100 m³/h @ 250 m
Base Oil:	1100 gpm @ 300 ft	250 m³/h @ 90 m
Brine:	440 gpm @ 960 ft	100 m³/h @ 290 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:	2X INMARSAT-C

Special Equipment

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 Zone:	Yes
Rescue Boat:	10-Man MARE FRB 700
Reefer Sockets:	12x 220V 16A
Misc:	Special Prod. Capacity - 239.7 m3; MSD; HPR Trunk; ORO Capacity - 2064.4 m3; Dacon Scoop SB

*Approximate values assuming Ideal Conditions

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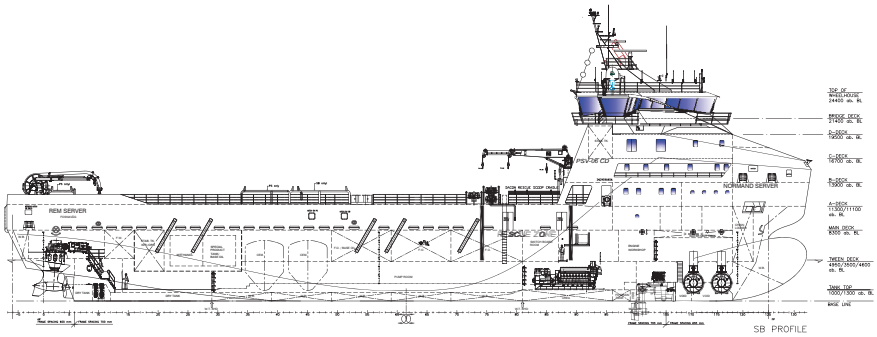
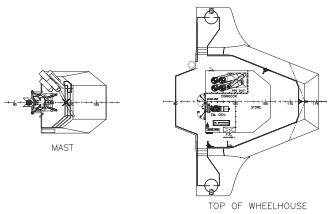
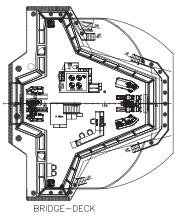
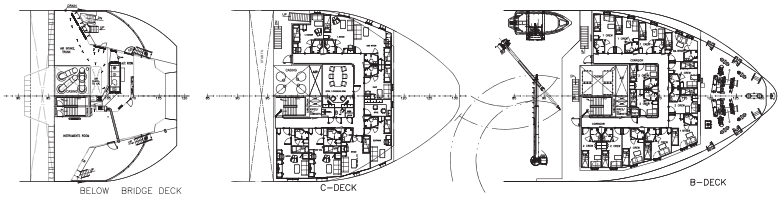
SERVER TIDE

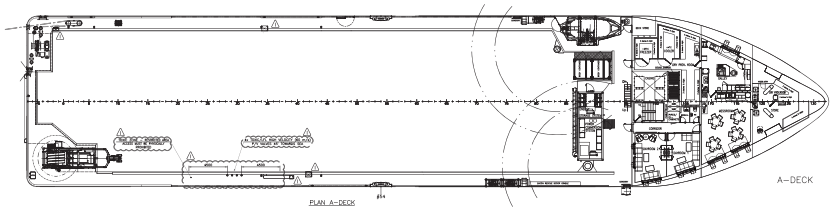
General Arrangement (Current configuration may vary.)

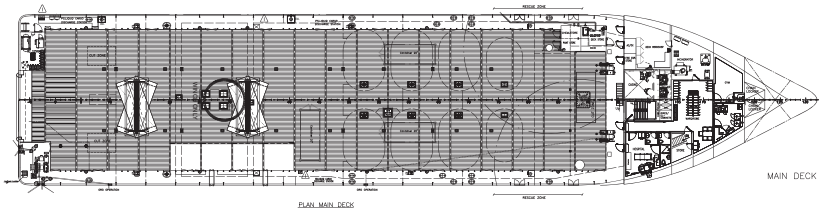


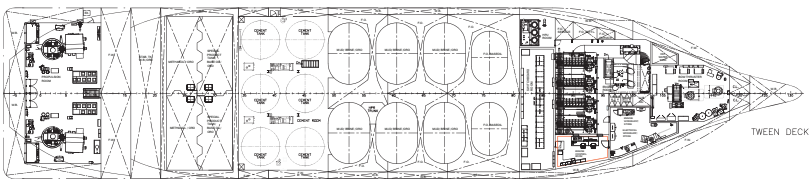


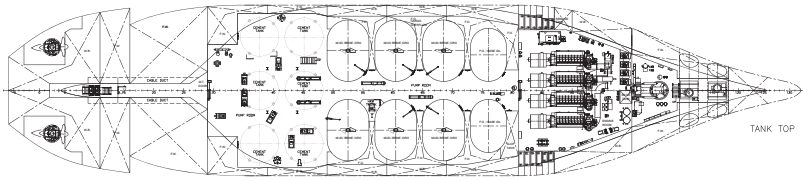


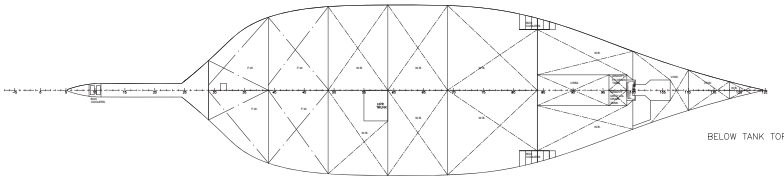












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SERVER TIDE

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	DW/WB	182.1				182.1								
2 WB DBW PS	DW/WB	108.2				108.2								
3 WB DBW SB	DW/WB	129.9				129.9								
4 WB DBW PS	DW/WB	52.0				52.0								
5 WB DBW SB	DW/WB	52.0				52.0								
6 WB DBW PS	DW/WB	39.6				39.6								
7 WB DBW SB	DW/WB	39.6				39.6								
8 WB DBW PS	DW/WB	39.6				39.6								
9 WB DBW SB	DW/WB	39.6				39.6								
12 AFTPEAK PS	DW/WB	129.5				129.5								
13 AFTPEAK SB	DW/WB	140.6				140.6								
14 STAB	DW/WB/ORO	321.5				321.5								
16 STAB	DW/WB	219.5				219.5								
81 CD	DW/WB	378.8				378.8								
87 WB DB PS	DW/WB	57.3				57.3								
88 WB DB SB	DW/WB	57.3				57.3								
98 WB DB SB	DW/WB	99.9				99.9								
99 WB DB PS	DW/WB	99.9				99.9								
100 WB DB SB	DW/WB	75.2				75.2								
101 WB DB PS	DW/WB	75.2				75.2								
102 WB DB SB	DW/WB	64.1				64.1								
103 WB DB PS	DW/WB	74.3				74.3								
10 FW DBW PS	FW	39.9						39.9						
11 FW DBW SB	FW	44.9						44.9						
17 FW DBW PS	FW	46.9						46.9						
18 FW DBW SB	FW	46.9						46.9						
20 FW WT PS	FW	162.4						162.4						
21 FW WT SB	FW	162.4						162.4						
22 FW WT PS	FW	98.8						98.8						
23 FW WT SB	FW	98.8						98.8						
24 FW WT PS	Ship's FW	107.0					107.0							
25 FW WT SB	Ship's FW	105.3					105.3							
90 FW DB PS	FW	59.4						59.4						
91 FW DB SB	FW	59.4						59.4						
92 FW DB PS	FW	41.4						41.4						
93 FW DB SB	FW	41.9						41.9						
28 FO CT PS	FO/BO	157.5	157.5	157.5										
29 FO CT SB	FO/BO	157.5	157.5	157.5										
44 FO WT PS	FO	173.6		173.6										
45 FO WT SB	FO	132.9		132.9										
46 FO WT SB	FO	92.6		92.6										
47 FO SERVE	FO	17.5		17.5										
50 FW WT PS	FO	239.2		239.2										
51 FO WT SB	FO	205.0		205.0										
52 FO WT PS	FO	88.6		88.6										
76 FO OVERFLOW	FO	44.3		44.3										
84 FO SETTL	FO	17.9		17.9										
85 FO SERV	FO	9.4		9.4										
42 SPECIAL PS	SP/BO/ORO	119.8	119.8											
43 SPECIAL SB	SP/BO/ORO	119.9	119.9											
26 METH PS	METH/ORO	116.2									116.2			
27 METH SB	METH/ORO	118.0									118.0			
30 MUD PS	LM/BRI/ORO	211.5								211.5				
31 MUD SB	LM/BRI/ORO	211.5								211.5				
32 MUD PS	LM/BRI/ORO	211.5								211.5				
33 MUD SB	LM/BRI/ORO	211.5								211.5				
34 MUD PS	LM/BRI/ORO	211.5								211.5				
35 MUD SB	LM/BRI/ORO	211.5								211.5				
36 CEM PS	DRY BULK	67.3			67.3									
37 CEM SB	DRY BULK	67.3			67.3									
38 CEM PS	DRY BULK	67.3			67.3									
39 CEM SB	DRY BULK	67.3			67.3									
40 CEM CT	DRY BULK	67.3			67.3									
41 CEM CT	DRY BULK	67.3			67.3									
58 LUBE	LO	8.6										8.6		
FOAM TK	FOAM	1.6											1.6	
Total Volume [m^3]			554.7	1,336.0	403.8	2,475.7	212.3	903.1	0.0	1,269.0	234.2	8.6	1.6	0.0
Spec Sheet Total Volume [m^3]			554.7	1,246.9	403.8	2,475.7	212.3	903.1	0.0	1,269.0	234.2	8.6	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.

LAST UPDATE: 11/10/2023

SERVER TIDE

DP Capability Plot

KONGSBERG

DP Capability Plot

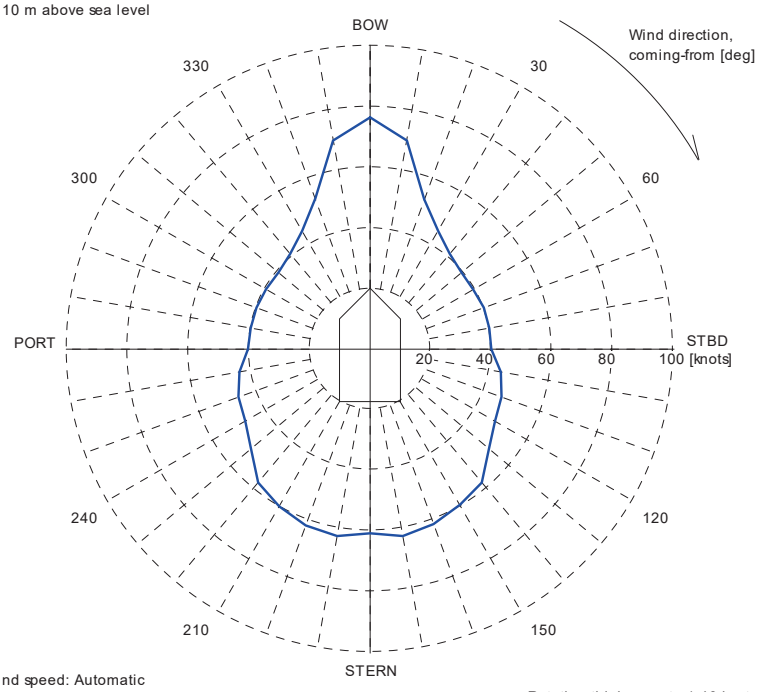
FAR SERVER

Case number : 1
Case description : All thrusters running
Thrusters active : T1-T4
Rudders active :

Version	:	StatCap v. 3.0.0
Input file reference	:	Foot_7147_3_RevA.scp
Last modified	:	2017-01-24 14.57
Length overall	:	78.6 m
Length between perpendiculars	:	69.0 m
Breadth	:	17.6 m
Draught	:	5.5 m
Displacement	:	5150.0 t (Cb = 0.75)
Longitudinal radius of inertia	:	17.3 m (= 0.25 * Lpp)
Pos. of origin ahead of Lpp/2 (Xo)	:	0.0 m
Wind load coefficients	:	Calculated (Blendermann)
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	:	OFF
Thrust loss calculation	:	ON

#	Thruster	X [m]	Y [m]	F+ [tf]	F- [tf]	Max [%]	Pe [kW]	Rudder
1	TUNNEL	30.9	0.0	12.0	-12.0	100	800	
2	TUNNEL	27.9	0.0	12.0	-12.0	100	800	
3	AZIMUTH	-33.6	-3.9	28.3	-17.4	100	1600	
4	AZIMUTH	-33.6	3.9	28.3	-17.4	100	1600	

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



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

SUPPORTER TIDE

STX 06 CD PSV

Vessel Characteristics

Length, Overall:	309.1 ft	94.2 m
Beam:	65.6 ft	20 m
Depth:	27.2 ft	8.3 m
Maximum Draft:	22.2 ft	6.8 m
Light Draft:	11.2 ft	3.4 m
Minimum Height:	90.2 ft	27.5 m
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Displacement:	8,580 lt	8,720 mt
Deadweight:	5,460 lt	5,550 mt
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Class Notations:	DNV: +1A1, Battery(Power), Clean(Design), COMF(V-3), DK(+), DYNPOS(AUTR), E0, HL(2.8), Ice(C), LFL(*), NAUT(OSV(A)), OILREC, SF	

Capacities

Deck Cargo:	3,150 lt	3,200 t
Fuel Oil:	329,000 gal	1,250 m^3
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TIDEWATER

Find out more **tdw.com**

LAST UPDATE: 11/10/2023

SUPPORTER TIDE

Further specifications

Machinery

Diesel Electric Hybrid Vessel			560 kWh Battery
Propulsive/Total HP:			6,700 / 10,100
Z-Drives:			Yes
Propellers (2):			AZP 100RRM AZIPULL, 2500KW
Primary Generators (4):	1,880 kw	690 v	60 hz
Driven by:			MAN 9L21/31
Emergency Generators (1):	130 kw	690 v	60 hz
Driven by:			MITSUBISHI DPMG124-6D16T
Bow Thruster (3):			2X TT200 DPN CP, 1X RR TCNS 73/50-180 SWING DOWN
Driven by:			880KW ELECTRIC MOTORS
Total Thrust:		44.2 st	40.1 mt

Deck Equipment

Anchors (2):	4050 KG M-SPEK
Anchor Chain:	260 m of 50 mm chain per side
Windlass:	2x 17T MW170F/AW 50K3
Crane (1):	5 t @ 10 m
Tugger (2):	10 t HG-HUW

Accommodations

No. of Berths:	28
Cabins:	14x1-man & 7x2-man
Certified to Carry:	28
Galley seating:	20
Hospital:	Yes

Registration

Flag: NORWAY		**Home Port:** SANDNES
Hull Number: 754		**IMO N^{O}:** 9591868
Year Built: 2012		**Call Sign:** LCLW
Builder:		STX OSV Langsten
Tonnage (ITC):	4590 GT	1993 NT

Performance*

Fuel Consumption Vs Speed		
Maximum:		24 m³/day (260 gph) @ 15.5 knots
Cruising:		16 m³/day (180 gph) @ 12 knots
Economical:		11 m³/day (120 gph) @ 11 knots
Standby:		2 m³/day (22 gph) @ 0 knots
Range @ 12 Knots:		22,400 nm
Transfer Rates		
Fuel Oil:	1100 gpm @ 300 ft	250 m³/h @ 90 m
Fresh Water:	1100 gpm @ 300 ft	250 m³/h @ 90 m
Drill/Ballast Water:	1100 gpm @ 300 ft	250 m³/h @ 90 m
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Liquid Mud:	440 gpm @ 830 ft	100 m³/h @ 250 m
Base Oil:	1100 gpm @ 300 ft	250 m³/h @ 90 m
Brine:	440 gpm @ 960 ft	100 m³/h @ 290 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:	2x INMARSAT-C

Special Equipment

Dynamic Positioning:	DP-2
Ref. Systems:	3 x MRU; 2 x DGPS N/A x Microwave-based; 1 x Laser-based
Mud Circulation System/ Mud Mixers:	Yes/Yes
Tank Cleaning:	Yes
Rescue Zone:	Yes
Rescue Boat:	10-Man GTC 700 FRC
Reefer Sockets:	22x 220V 16A
Misc:	Special Prod. Capacity - 239.7 m3; Dacon Scoop SB, 2x Scramble nets (P/S); MSD; ORO Capacity - 2064.4 m3; HPR Trunk

*Approximate values assuming Ideal Conditions

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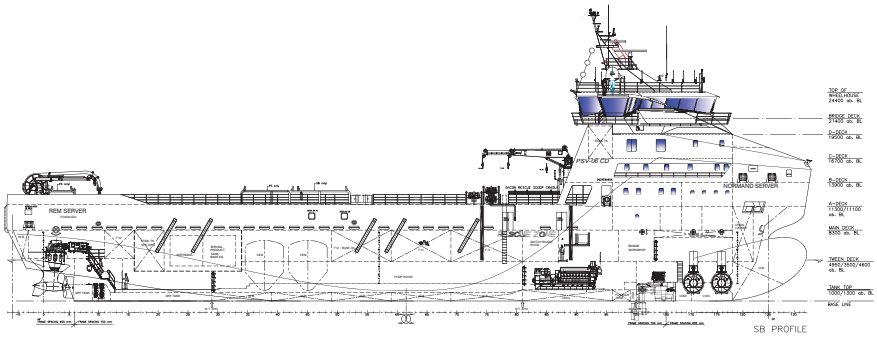
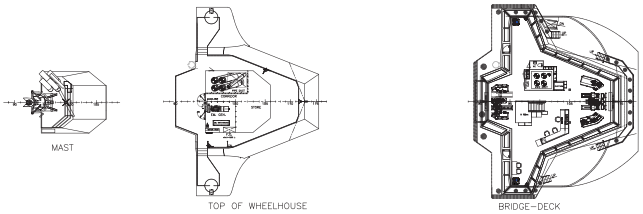
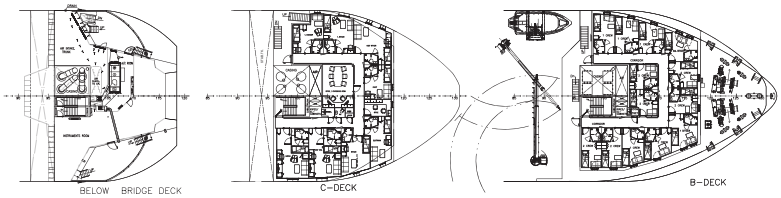
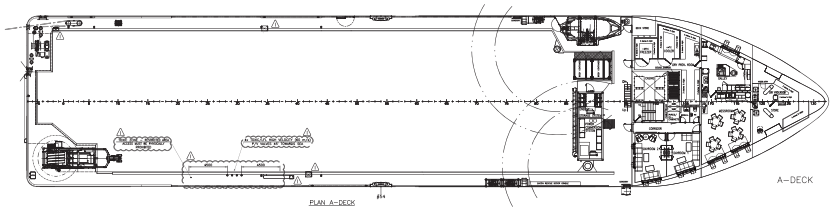
SUPPORTER TIDE

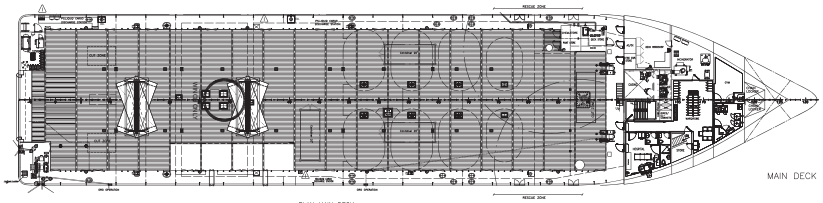
General Arrangement (Current configuration may vary.)

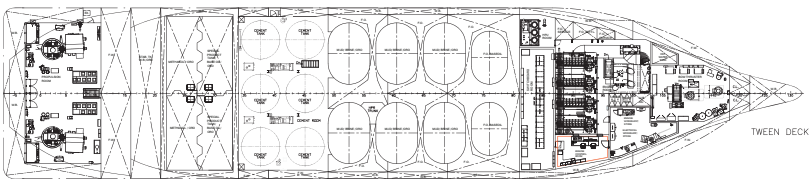


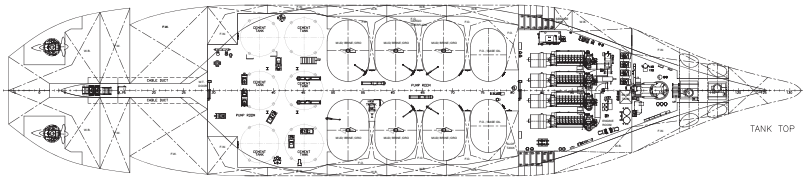


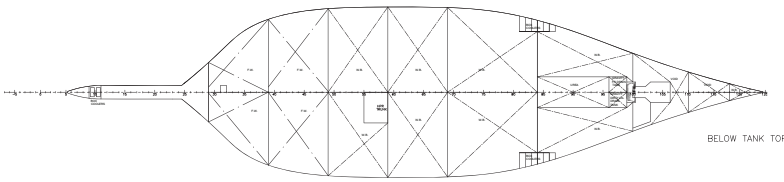












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LAST UPDATE: 11/10/2023

SUPPORTER TIDE

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	DW/WB	182.1				182.1								
2 WB DBW PS	DW/WB	108.2				108.2								
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8 WB DBW PS	DW/WB	39.6				39.6								
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12 AFTPEAK PS	DW/WB	129.5				129.5								
13 AFTPEAK SB	DW/WB	140.6				140.6								
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16 STAB	DW/WB	219.5				219.5								
81 CD	DW/WB	378.8				378.8								
87 WB DB PS	DW/WB	57.3				57.3								
88 WB DB SB	DW/WB	57.3				57.3								
98 WB DB SB	DW/WB	99.9				99.9								
99 WB DB PS	DW/WB	99.9				99.9								
100 WB DB SB	DW/WB	75.2				75.2								
101 WB DB PS	DW/WB	75.2				75.2								
102 WB DB SB	DW/WB	64.1				64.1								
103 WB DB PS	DW/WB	74.3				74.3								
10 FW DBW PS	FW	39.9						39.9						
11 FW DBW SB	FW	44.9						44.9						
17 FW DBW PS	FW	46.9						46.9						
18 FW DBW SB	FW	46.9						46.9						
20 FW WT PS	FW	162.4						162.4						
21 FW WT SB	FW	162.4						162.4						
22 FW WT PS	FW	98.8						98.8						
23 FW WT SB	FW	98.8						98.8						
24 FW WT PS	Ship's FW	107.0					107.0							
25 FW WT SB	Ship's FW	105.3					105.3							
90 FW DB PS	FW	59.4						59.4						
91 FW DB SB	FW	59.4						59.4						
92 FW DB PS	FW	41.4						41.4						
93 FW DB SB	FW	41.9						41.9						
28 FO CT PS	FO/BO	157.5	157.5	157.5										
29 FO CT SB	FO/BO	157.5	157.5	157.5										
44 FO WT PS	FO	173.6		173.6										
45 FO WT SB	FO	132.9		132.9										
46 FO WT SB	FO	92.6		92.6										
47 FO SERVE	FO	17.5		17.5										
50 FW WT PS	FO	239.2		239.2										
51 FO WT SB	FO	205.0		205.0										
52 FO WT PS	FO	88.6		88.6										
76 FO OVERFLOW	FO	44.3		44.3										
84 FO SETTL	FO	17.9		17.9										
85 FO SERV	FO	9.4		9.4										
42 SPECIAL PS	SP/BO/ORO	119.8	119.8											
43 SPECIAL SB	SP/BO/ORO	119.9	119.9											
26 METH PS	METH/ORO	116.2									116.2			
27 METH SB	METH/ORO	118.0									118.0			
30 MUD PS	LM/BRI/ORO	211.5								211.5				
31 MUD SB	LM/BRI/ORO	211.5								211.5				
32 MUD PS	LM/BRI/ORO	211.5								211.5				
33 MUD SB	LM/BRI/ORO	211.5								211.5				
34 MUD PS	LM/BRI/ORO	211.5								211.5				
35 MUD SB	LM/BRI/ORO	211.5								211.5				
36 CEM PS	DRY BULK	67.3			67.3									
37 CEM SB	DRY BULK	67.3			67.3									
38 CEM PS	DRY BULK	67.3			67.3									
39 CEM SB	DRY BULK	67.3			67.3									
40 CEM CT	DRY BULK	67.3			67.3									
41 CEM CT	DRY BULK	67.3			67.3									
58 LUBE	LO	8.6										8.6		
FOAM TK	FOAM	1.6											1.6	
Total Volume [m^3]			554.7	1,336.0	403.8	2,475.7	212.3	903.1	0.0	1,269.0	234.2	8.6	1.6	0.0
Spec Sheet Total Volume [m^3]			554.7	1,246.9	403.8	2,475.7	212.3	903.1	0.0	1,269.0	234.2	8.6	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.

LAST UPDATE: 11/10/2023

KONGSBERG

DP Capability Plot

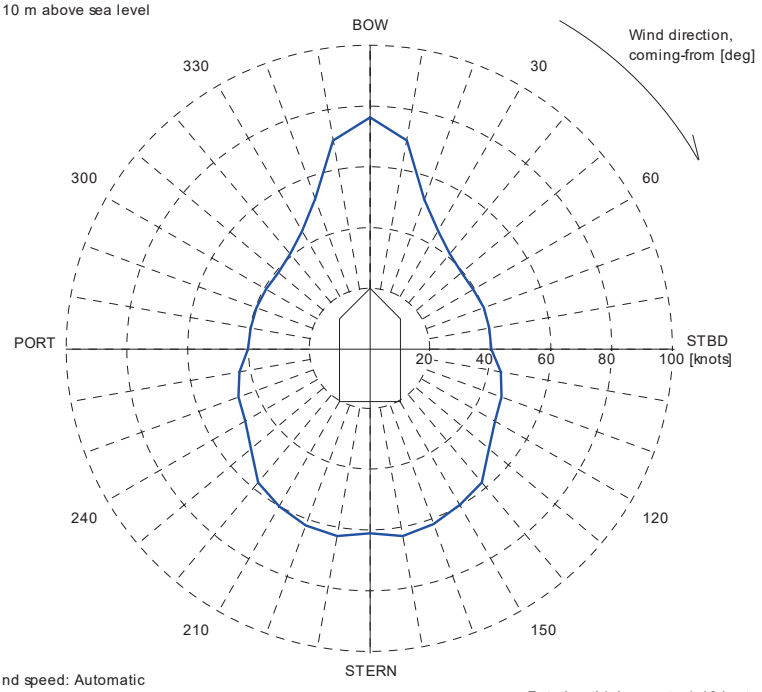
FAR SERVER

Case number	:	1
Case description	:	All thrusters running
Thrusters active	:	T1-T4
Rudders active	:	

Version	:	StatCap v. 3.0.0
Input file reference	:	Foot_7147_3_RevA.scp
Last modified	:	2017-01-24 14.57
Length overall	:	78.6 m
Length between perpendiculars	:	69.0 m
Breadth	:	17.6 m
Draught	:	5.5 m
Displacement	:	5150.0 t (Cb = 0.75)
Longitudinal radius of inertia	:	17.3 m (= 0.25 * Lpp)
Pos. of origin ahead of Lpp/2 (Xo)	:	0.0 m
Wind load coefficients	:	Calculated (Blendermann)
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	:	OFF
Thrust loss calculation	:	ON

#	Thruster	X [m]	Y [m]	F+ [tf]	F- [tf]	Max [%]	Pe [kW]	Rudder
1	TUNNEL	30.9	0.0	12.0	-12.0	100	800	
2	TUNNEL	27.9	0.0	12.0	-12.0	100	800	
3	AZIMUTH	-33.6	-3.9	28.3	-17.4	100	1600	
4	AZIMUTH	-33.6	3.9	28.3	-17.4	100	1600	

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



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