TROUNSON TIDE

DAVIS TIDE as shown, TROUNSON TIDE similar

UT 755 LN PLATFORM SUPPLY VESSEL

Vessel Characteristics

Length, Overall:	241.5 ft	73.6 m
Beam:	52.5 ft	16 m
Depth:	23 ft	7 m
Maximum Draft:	19 ft	5.8 m
Light Draft:	8.2 ft	2.5 m
Minimum Height:	79.4 ft	24.2 m
Freeboard:	3.9 ft	1.2 m
Displacement:	4,920 lt	5,000 mt
Deadweight:	3,160 lt	3,210 mt
Clear Deck Space:	166 x 44 ft	51 x 14 m
Clear Deck Area:	7,340 ft^2	680 m^2
Deck Strength AFT:	1,020 lb/ft^2	5 t/m^2
Class Notations:	ABS: A1, AMS, (E)-(R), FFV 1, DPS-2, ENVIRO (I)	

Capacities

Deck Cargo:	1,520 lt	1,540 t
Fuel Oil:	279,000 gal	1,060 m^3
Potable Water:	60,100 gal	230 m^3
Fresh Water:	183,000 gal	690 m^3
Drill/Ballast Water:	108,000 gal	410 m^3
Bulk Tanks (5 tanks):	11,300 ft^3	320 m^3
Liquid Mud (2.5 SG*): *Max Structural Specific Gravity	6,270 bbl	1000 m^3
Base Oil:	1,290 bbl	200 m^3
Fire Fighting Foam:	2,600 gal	9.9 m^3

TIDEWATER

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TROUNSON TIDE

Further specifications

Machinery

Main Engines (2):			Bergen C25:33L6P
Total HP:			5,360
Propellers (2):			CPP 4-Blade NiBrAl
Primary Generators (2):	1,440 kw	440 v	60 hz
Driven by:			Main Engines
Secondary Generators (2):	250 kw	440 v	60 hz
Driven by:			Diesel Engine
Emergency Generators (1):	88 kw	440 v	60 hz
Driven by:			Diesel Engine
Bow Thruster (2):			RR TT1650 DPN CP
Driven by:			600 kW Electric Motor
Total Thrust:		20.1 st	18.2 mt
Stern Thruster (2):			RR TT1650 DPN CP
Driven by:			500 kW Electric Motor
Total Thrust:		16.8 st	15.2 mt

Performance*

Fuel Consumption Vs Speed		
Maximum:	22.4 m^3/day (250 gph) @ 14 knots	
Cruising:	17.8 m^3/day (200 gph) @ 12 knots	
Economical:	13.4 m^3/day (150 gph) @ 9 knots	
Standby:	0.8 m^3/day (9 gph) @ 0 knots	
Range @ 9 Knots:	16,100 nm	
Transfer Rates		
Fuel Oil:	880 gpm @ 300 ft	200 m^3/h @ 92 m
Fresh Water:	880 gpm @ 300 ft	200 m^3/h @ 92 m
Drill/Ballast Water:	880 gpm @ 300 ft	200 m^3/h @ 92 m
Bulk:	38 cfm @ 190 ft	64.5 m^3/h @ 57 m
Liquid Mud:	330 gpm @ 600 ft	76 m^3/h @ 180 m
Base Oil:	660 gpm @ 300 ft	150 m^3/h @ 92 m
Brine:	330 gpm @ 450 ft	75 m^3/h @ 140 m

Deck Equipment

Anchors (2):	5,423 LBS SPEK TYPE
Anchor Chain:	330 m of 38 mm chain per side
Windlass:	Rauma Brattvaag Hydraulic
Crane (1):	3 t @ 15.8 m
Capstans (2):	8 t RAUMA BRATTVAAG HYDRAULIC
Tugger (2):	10 t RAUMA BRATTVAAG HYDRAULIC

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:	1XIRIDIUM,1XSAT-C

Accommodations

No. of Berths:	34
Cabins:	10x1-man, 2x2-man & 5x4-man
Certified to Carry:	34
Galley seating:	12
Hospital:	Yes

Special Equipment

Firefighting:	FiFi-1
Dynamic Positioning:	DP-2
Ref. Systems:	2 x MRU; 2 x DGPS 1 x Microwave-based; 1 x Laser-based
Mud Mixers:	Yes
Rescue Boat:	15-Man FRC
Reefer Sockets:	8x 440V 20A 60Hz
Misc:	MSD-20 persons

Registration

Flag: VANUATU		**Home Port:** PORT VILA
Hull Number: 72		**IMO N°:** 9511856
Year Built: 2010		**Call Sign:** YJVV3
Builder:		COCHIN SHIPYARD
Tonnage (ITC):	2177 GT	1044 NT

*Approximate values assuming Ideal Conditions

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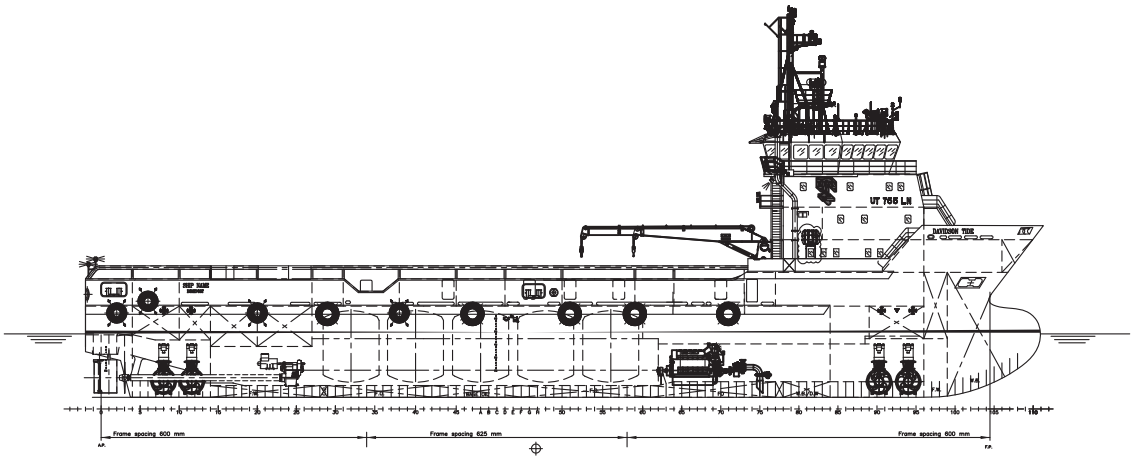
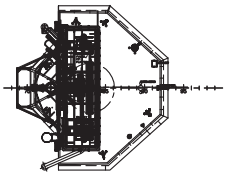
TROUNSON TIDE

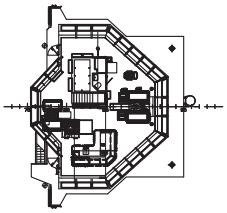
General Arrangement (Current configuration may vary.)



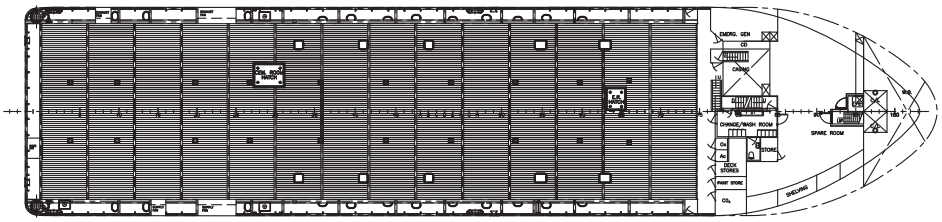
PROFILE



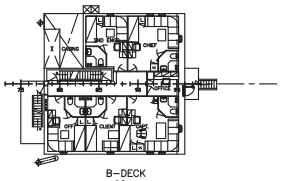
TOP WHEELHOUSE



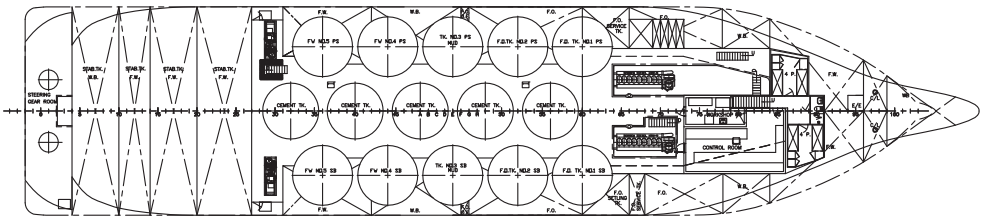
BRIDGE DECK



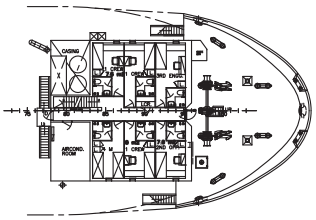
MAIN DECK



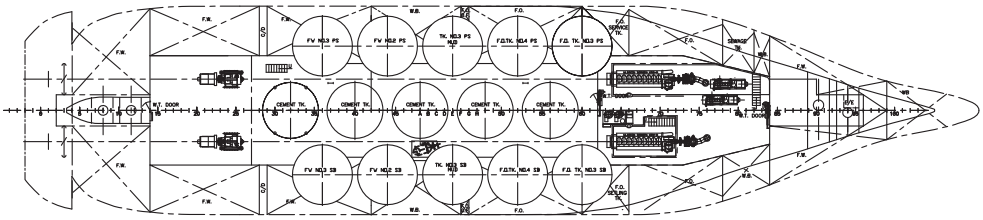
B–DECK
5 Pax



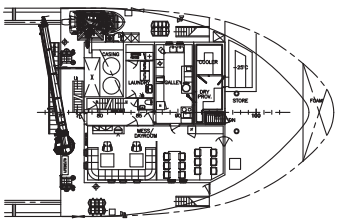
TWEEN DECK
8 PAX



A–DECK
9 PAX



TANK TOP



FORECASTLE DECK

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TROUNSON 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.
FP Tank (C)	DW/WB	133.5				133.5								
Stab Tk 1	DW/WB/FW	189.3				189.3		189.3						
Stab Tk 2	DW/WB/FW	171.1				171.1		171.1						
Stab Tk 3	DW/WB/FW	112.2				112.2		112.2						
Stab Tk 4	DW/WB	167.6				167.6								
DB/Wing Tk 1 (S)	Ships FW	117.2					117.2							
DB/Wing Tk 1 (P)	Ships FW	110.5					110.5							
DB/Wing Tk 2 (S)	DW/WB	62.4				62.4								
DB/Wing Tk 2 (P)	DW/WB	45.4				45.4								
DB/Wing Tk 3 (S)	FO	164.2		164.2										
DB/Wing Tk 3 (P)	FO	151.6		151.6										
DB/Wing Tk 4 (S)	FO	139.1		139.1										
DB/Wing Tk 4 (P)	FO	139.1		139.1										
DB/Wing Tk 5 (S)	FO/BO	101.0	101.0	101.0										
DB/Wing Tk 5 (P)	FO/BO	103.8	103.8	103.8										
DB/Wing Tk 6 (S)	FO	138.8		138.8										
DB/Wing Tk 6 (P)	FO	138.8		138.8										
Wing Tk 7 (S)	FW	66.1						66.1						
Wing Tk 8 (S)	FW	33.3						33.3						
Wing Tk 8 (P)	FW	33.3						33.3						
DB Tk 7 (C) + P	FW	88.1						88.1						
FO Overflow	FO	36.3		36.3										
FO Service Tk (S)	FO	10.8		10.8										
FO Service Tk (P)	FO	41.3		41.3										
Service/Sett Tk	FO	41.3		41.3										
FO Drain Tk	FO	6.6		6.6										
Tank 1 (S)	LM/BR/DW/WB	99.5				99.5				99.5				
Tank 1 (P)	LM/BR/DW/WB	99.5				99.5				99.5				
Tank 2 (S)	LM/BR/DW/WB	99.8				99.8				99.8				
Tank 2 (P)	LM/BR/DW/WB	99.8				99.8				99.8				
Tank 3 (S)	LM	99.8								99.8				
Tank 3 (P)	LM	99.8								99.8				
Tank 4 (S)	LM	99.8								99.8				
Tank 4 (P)	LM	99.8								99.8				
Tank 5 (S)	LM	99.8								99.8				
Tank 5 (P)	LM	99.8								99.8				
Cem Tk 1	Dry Bulk	64.0			64.0									
Cem Tk 2	Dry Bulk	64.0			64.0									
Cem Tk 3	Dry Bulk	64.0			64.0									
Cem Tk 4	Dry Bulk	64.0			64.0									
Cem Tk 5	Dry Bulk	64.0			64.0									
LO Storage Tk ME	LO	11.1										11.1		
LO Stores Tk Aux.	LO	3.7										3.7		
LO Stores Tk Thr.	LO	3.7										3.7		
Foam Tank	Foam	10.0											10.0	
Total Volume [m^3]			204.8	1,212.7	320.0	1,280.1	227.7	693.4	0.0	997.4	0.0	18.5	10.0	0.0
Spec Sheet Total Volume [m^3]			204.8	1,076.4	320.0	408.9	227.7	693.4	0.0	997.4	0.0	18.5	10.0	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.**

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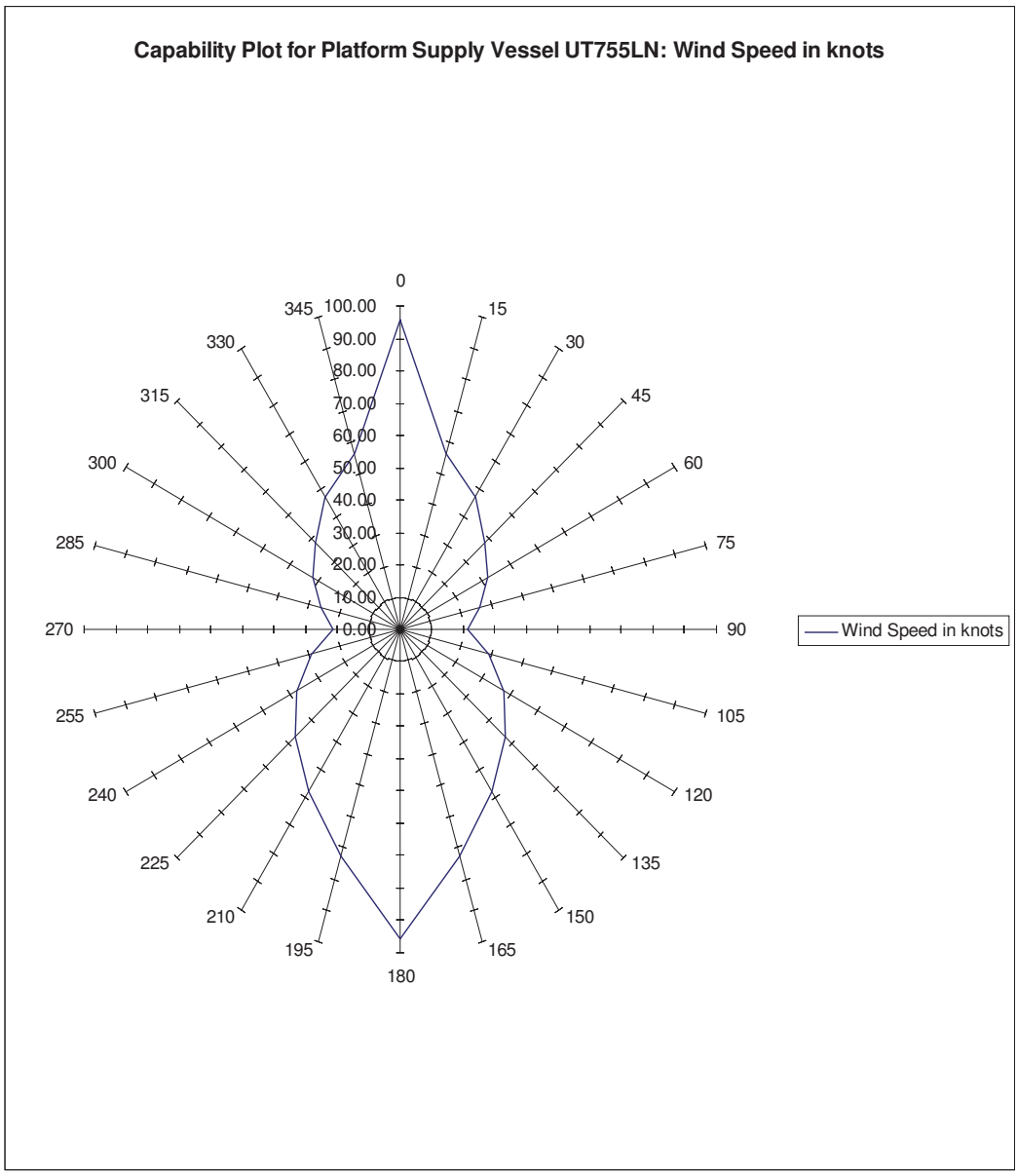
TROUNSON TIDE

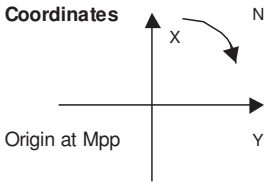
DP Capability Plot



Wind Angle is stepped from 0 to 360 deg.
Wave Angle is stepped from 0 to 360 deg.
Current Angle is stepped from 0 to 360 deg.

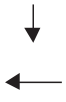
Wind Speed is Set Automatically.
Wave Height is Derived from Wind Speed.
Current Speed is 1.5 knots.

Coordinates



Weather Direction

Wind		0 degrees
Current	at	
Waves		90 degrees



Ship Direction

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