



## UT 755 L PLATFORM SUPPLY VESSEL

### Vessel Characteristics

Length, Overall:	236.2 ft	72 m
Beam:	52.5 ft	16 m
Depth:	23 ft	7 m
Maximum Draft:	19.4 ft	5.9 m
Light Draft:	8.5 ft	2.6 m
Minimum Height:	76.4 ft	23.3 m
Freeboard:	3.9 ft	1.2 m
Displacement:	4,850 lt	4,920 mt
Deadweight:	3,030 lt	3,080 mt
Clear Deck Space:	149 x 44 ft	45 x 14 m
Clear Deck Area:	6,590 ft <sup>2</sup>	610 m <sup>2</sup>
Deck Strength AFT:	1,020 lb/ft <sup>2</sup>	5 t/m <sup>2</sup>
Class Notations:	ABS: A1, FFV-1, AMS, ACCU, DPS-2, TCM	

### Capacities

Deck Cargo:	1,480 lt	1,500 t
Fuel Oil:	220,000 gal	830 m <sup>3</sup>
Potable Water:	57,600 gal	220 m <sup>3</sup>
Fresh Water:	151,000 gal	570 m <sup>3</sup>
Drill/Ballast Water:	174,000 gal	660 m <sup>3</sup>
Bulk Tanks (5 tanks):	11,300 ft <sup>3</sup>	320 m <sup>3</sup>
Liquid Mud (2.5 SG*):	6,260 bbl	990 m <sup>3</sup>
*Max Structural Specific Gravity		
Base Oil:	690 bbl	110 m <sup>3</sup>
Oil Dispersant:	2,590 gal	9.8 m <sup>3</sup>

## TIDEWATER

Find out more

[tdw.com](http://tdw.com)

Pg.2 Further Specifications

Pg.4 Capacity Table

Pg.3 General Arrangement

Pg.5 DP Capability Plot

Machinery

Main Engines (2):	GE 7FDM 16		
Total HP:	7,480		
Propellers (2):	CPP		
Primary Generators (2):	1,800 kw	440 v	60 hz
Driven by:	MAIN ENGINES		
Secondary Generators (2):	300 kw	440 v	60 hz
Emergency Generators (1):	120 kw	440 v	60 hz
Bow Thruster (2):	KAMEWA ULSTEIN TT1650 TUNNEL		
Driven by:	660 KW ELECTRIC MOTOR		
Total Thrust:	22.2 st	20.1 mt	
Stern Thruster (2):	KAMEWA ULSTEIN TT1650 TUNNEL		
Driven by:	590 KW ELECTRIC MOTOR		
Total Thrust:	19.7 st	17.9 mt	

Deck Equipment

Anchors (2):	5423lbs SPEK TYPE
Anchor Chain:	330 m of 38 mm chain per side
Windlass:	BRATTVAAG (8T@18M/MIN)
Capstans (2):	8 t Ulstein Brattvaag GM41
Tugger (2):	10 t RRM BRATTVAAG

Accommodations

No. of Berths:	49
Cabins:	5x1-man & 22x2-man
Certified to Carry:	49
Galley seating:	21
Hospital:	Yes

Registration

Flag: VANUATU	Home Port: PORT VILA
Hull Number: 88	IMO N <sup>o</sup> : 9404687
Year Built: 2007	Call Sign: YJTC4
Builder:	ROSETTI MARINO SPA
Tonnage (ITC):	2305 GT848 NT

Performance\*

Fuel Consumption Vs Speed		
Maximum:	28.7 m³/day (320 gph) @ 14.5 knots	
Cruising:	18.3 m³/day (200 gph) @ 13 knots	
Economical:	11.3 m³/day (120 gph) @ 9 knots	
Range @ 13 Knots:	12,400 nm	
Transfer Rates		
Fuel Oil:	1,100 gpm @ 300 ft	250 m³/h @ 92 m
Fresh Water:	880 gpm @ 300 ft	200 m³/h @ 92 m
Drill/Ballast Water:	660 gpm @ 300 ft	150 m³/h @ 92 m
Bulk:	37.7 cfm @ 190 ft	64 m³/h @ 57 m
Liquid Mud:	440 gpm @ 600 ft	100 m³/h @ 180 m
Base Oil:	400 gpm @ 300 ft	90 m³/h @ 92 m
Brine:	330 gpm @ 600 ft	75 m³/h @ 180 m

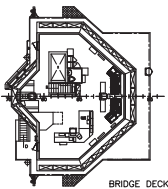
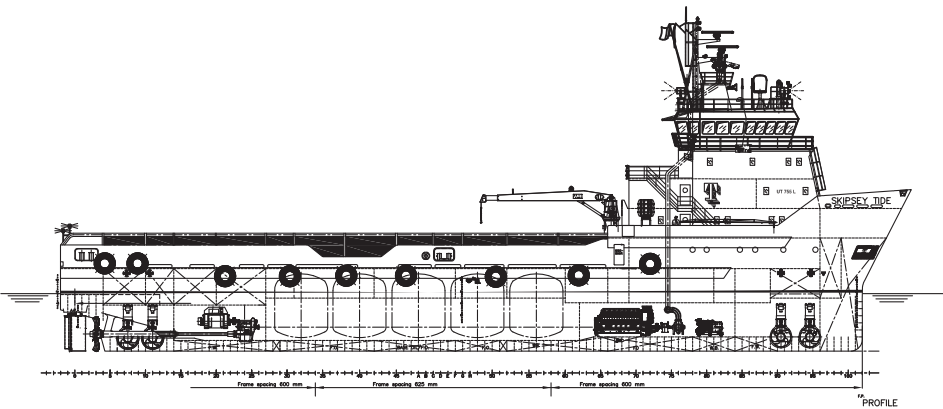
Nav/Comms Equipment

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

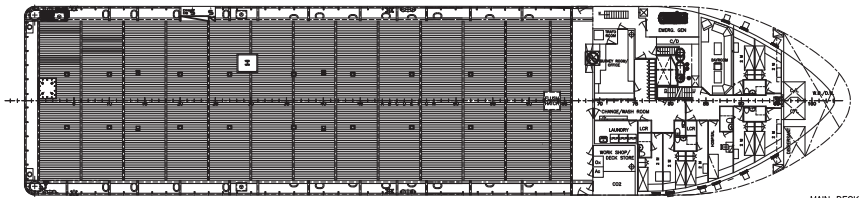
Special Equipment

Firefighting:	FiFi-1
Dynamic Positioning:	DP-2
Ref. Systems:	3 x MRU; 2 x DGPS 1 x Microwave-based; 1 x Laser-based
Water Maker:	30T/DAY
Mud Circulation System/ Mud Mixers:	Yes/Yes
Tank Cleaning:	Yes
Rescue Zone:	Yes
Rescue Boat:	6MAN SOLAS APPROVED
Fuel Monitoring:	FUELTRAX
Gas Detection:	FIXED SYSTEM + 2XPORTABLE
Reefer Sockets:	10x 110V 32A, 2x 440V 32A, 2x 440V 50A, 2x2 20V 50A
Misc:	RECOVERED OIL CAPABLE-796m3; MSD-1960L/ DAY; Winching Zone; S-VDR, Food Waste Grinder; 2xScramble Nets per side

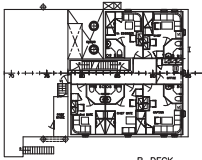
\*Approximate values assuming Ideal Conditions



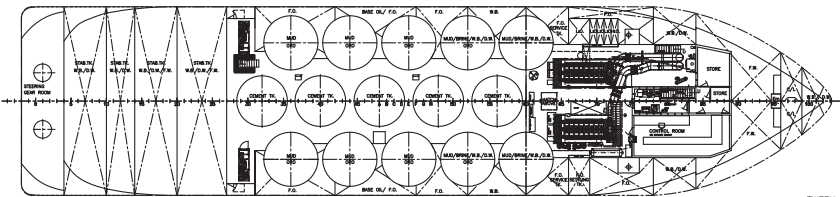
BRIDGE DECK



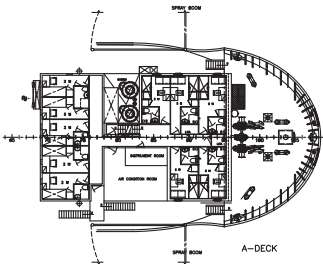
MAIN DECK



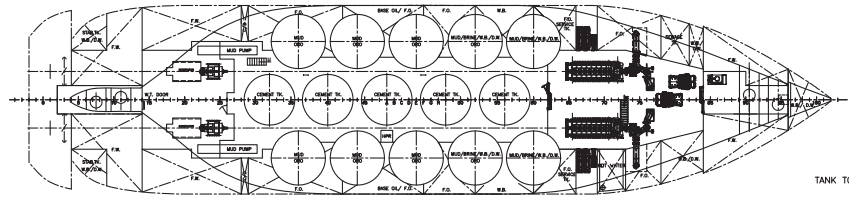
B-DECK



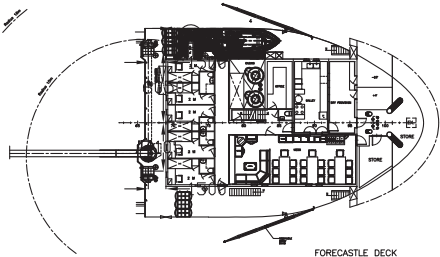
TWEEN DECK



A-DECK



TANK TOP



FORECASTLE DECK



Tank	Contents	Volume m <sup>3</sup>	Base Oil	Fuel Oil	Dry Bulk	DW/WB	Potable Water	Fresh Water	Brine	Liquid Mud	Methanol	Lube Oil	Foam	Oil Disp.
DW/WB FP Tk	DW/WB	96.2				96.2								
Stab Tk 1	DW/WB/FW	173.1				173.1		173.1						
Stab Tk 2	DW/WB/FW	189.9				189.9		189.9						
Stab Tk 3	DW/WB	112.4				112.4								
Stab Tk 4	DW/WB	166.5				166.5								
No. 1 DB/Wg S	Ship's FW	113.7					113.7							
No. 1 DB/Wg P	Ship's FW	104.3					104.3							
No. 2 DB/Wg S	DW/WB	69.5				69.5								
No. 2 DB/Wg P	DW/WB	50.7				50.7								
No. 3 DB/Wg S	FO	103.5		103.5										
No. 3 DB/Wg P	FO	118.6		118.6										
No. 4 DB/Wg S	DW/WB	81.0				81.0								
No. 4 DB/Wg P	DW/WB	81.0				81.0								
No. 5 DB/Wg S	FO	67.0		67.0										
No. 5 DB/Wg P	FO	67.0		67.0										
No. 6 DB Tk S	FO	47.1		47.1										
No. 6 DB Tk P	FO	49.1		49.1										
No. 6 Wg Tk S	FO/BO	54.8	54.8	54.8										
No. 6 Wg Tk P	FO/BO	54.8	54.8	54.8										
No. 7 DB/Wg S	FO	135.7		135.7										
No. 7 DB/Wg P	FO	135.7		135.7										
No. 8 Wg Tk S	FW	59.6						59.6						
No. 9 Wg Tk S	FW	33.4						33.4						
No. 9 Wg Tk P	FW	33.4						33.4						
No. 8 DB/Wg P	FW	82.3						82.3						
FO SRV Tk S	FO	41.7		41.7										
FO SET Tk S	FO	16.2		16.2										
FO SRV Tk P	FO	41.7		41.7										
FO Drain Tk	FO	6.0		6.0										
FO Overflow Tk	FO	42.5		42.5										
Circular Tk 1	DW/WB/LM	99.5				99.5				99.5				
Circular Tk 2	DW/WB/LM	99.5				99.5				99.5				
Circular Tk 3	DW/WB/LM/ORO	99.5				99.5				99.5				
Circular Tk 4	DW/WB/LM/ORO	99.5				99.5				99.5				
Circular Tk 5	LM/ORO	99.5								99.5				
Circular Tk 6	LM/ORO	99.5								99.5				
Circular Tk 7	LM/ORO	99.5								99.5				
Circular Tk 8	LM/ORO	99.5								99.5				
Circular Tk 9	LM/ORO	99.5								99.5				
Circular Tk 10	LM/ORO	99.5								99.5				
Dispersant Tk	DISP.	9.8												9.8
LO Stores Tk	LO	11.1										11.1		
LO Stores Tk Aux Eng	LO	3.7										3.7		
LO Stores Tk Thrust	LO	3.7										3.7		
Dry Bulk 1a	Dry Bulk	63.9			63.9									
Dry Bulk 1	Dry Bulk	63.9			63.9									
Dry Bulk 2	Dry Bulk	63.9			63.9									
Dry Bulk 3	Dry Bulk	63.9			63.9									
Dry Bulk 4	Dry Bulk	63.9			63.9									
Total Volume [m <sup>3</sup> ]			109.6	981.4	319.5	1,418.3	218.0	571.7	0.0	995.0	0.0	18.5	0.0	9.8
Spec Sheet Total Volume [m <sup>3</sup> ]			109.6	833.3	319.5	657.3	218.0	571.7	0.0	995.0	0.0	18.5	0.0	9.8

\*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.



KONGSBERG

# DP Capability Plot

## MELTON TIDE / SKIPSEY TIDE

Case number : 1  
Case description : Optimum use of all thrusters  
Thrusters active : T1-T6  
Rudders active :

Input file reference : foot\_1948\_Rev\_E.scp  
Last modified : 2013-01-02 13.55 (v. 2.8.0)

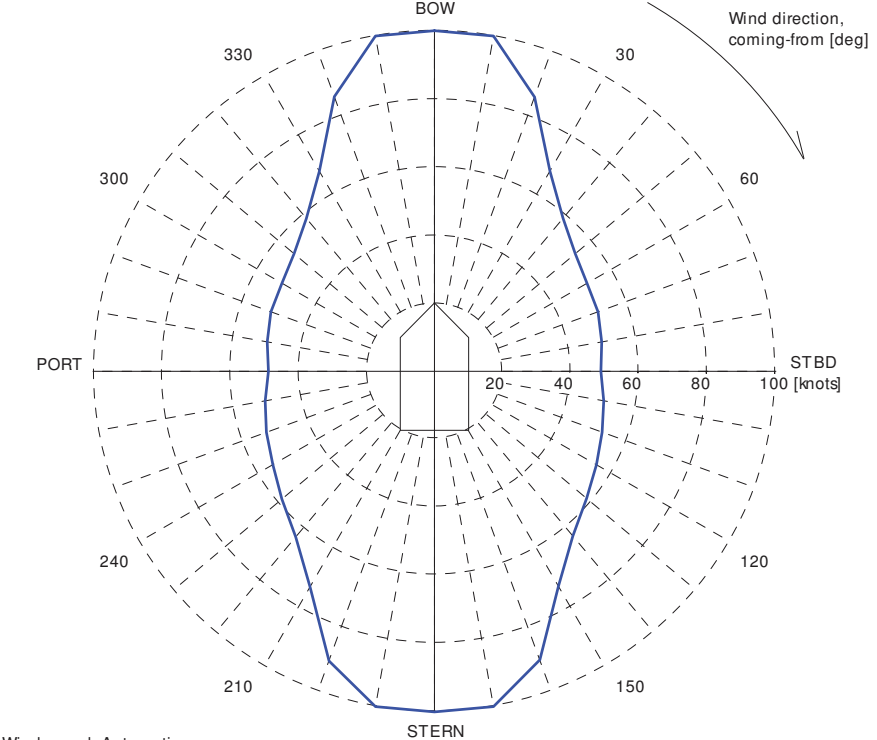
Length overall : 71.9 m  
Length between perpendiculars : 66.8 m  
Breadth : 16.0 m  
Draught : 4.0 m  
Displacement : 3125.0 t (Cb = 0.71)  
Longitudinal radius of inertia : 20.0 m (= 0.30 \* Lpp)  
Pos. of origin ahead of Lpp/2 (Xo) : 0.0 m  
Wind load coefficients : Calculated (Blendermann)  
Current 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	28.9	0.0	9.9	-9.9	100	660	
2	TUNNEL	26.5	0.0	9.9	-9.9	100	660	
3	TUNNEL	-27.1	0.0	8.8	-8.8	100	590	
4	TUNNEL	-28.9	0.0	8.8	-8.8	100	590	
5	PROP_AS	-33.4	-2.4	49.3	-34.5	100	2790	ULSTEIN HLR
6	PROP_AS	-33.4	2.4	49.3	-34.5	100	2790	ULSTEIN HLR

VARIABLE WIND AND WAVES  
Limiting 1 minute mean wind speed in knots at 10 m above sea level  
ERN = 99.  
ERN are subject to DNV approval



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