SKIPSEY TIDE as shown
MELTON TIDE similar

Vessel Characteristics

Length, Overall:	236.2 ft	72 m
Beam:	52.5 ft	16 m
Depth:	23 ft	7 m
Maximum Draft:	19.2 ft	5.9 m
Light Draft:	8.5 ft	2.6 m
Minimum Height:	76.4 ft	23.3 m
Freeboard:	3.8 ft	1.2 m
Displacement:	4,850 lt	4,920 mt
Deadweight:	3,050 lt	3,100 mt
Clear Deck Space:	150 x 44 ft	45.4 x 13.5 m
Clear Deck Area:	6,590 ft^2	610 m^2
Deck Strength:	1,020 lb/ft^2	5 t/m^2

Class Notations:
ABS: A1, FFV-1, AMS, ACCU, DPS-2, TCM,N/A

TIDEWATER®
MELTON TIDE

UT-755L PLATFORM SUPPLY VESSEL

Last update: 3/9/2016

TIDEWATER® MELTON TIDE

Capacities

Deck Cargo:	1,480 lt	1,500 t
Fuel Oil:	220,000 gal	830 m^3
Potable Water:	57,600 gal	220 m^3
Fresh Water:	151,000 gal	570 m^3
Drill/Ballast Water:	174,000 gal	660 m^3
Bulk Tanks (5 tanks):	11,300 ft^3	320 m^3
Liquid Mud (21 lbs/gal):	6,260 bbl	990 m^3
Base Oil	690 gal	110 m^3
Oil Dispersant:	2,590 gal	9.8 m^3

Machinery

Main Engines (2):			WARTSILA 9L26A
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. Equip.

Anchors (2):	5423 lbs SPEK TYPE
Anchor Chain:	250 m of 38.1 mm chain per side
Crane:	6 t @ 16.2 m
Capstans (2):	8 t Ulstein Brattvaag GM41
Tugger (2):	10 t RRM BRATTVAAG

Accommodations

Nº of Berths:	49
1-man cabins:	5
2-man cabins:	22
Certified to Carry:	49
Hospital:	Yes

Performance

(Approximate values assuming Ideal Conditions)

Fuel Consumption Vs Speed		
Maximum:		29 m^3/day (320 gph) @ 14.5 knots
Cruising:		18 m^3/day (200 gph) @ 13 knots
Economical:		11 m^3/day (120 gph) @ 13 knots
Range @ 13 Knots:		12,400 nm
Transfer Rates		
Fuel Oil:	1,100 gpm @ 300 ft	250 m^3/h @ 92 m
Fresh Water:	880 gpm @ 300 ft	200 m^3/h @ 92 m
Drill/Ballast Water:	660 gpm @ 300 ft	150 m^3/h @ 92 m
Bulk:	37.7 cfm @ 190 ft	64 m^3/h @ 57 m
Liquid Mud:	440 gpm @ 600 ft	100 m^3/h @ 180 m
Base Oil:	400 gpm @ 300ft	90 m^3/h @ 92 m
Brine:	330 gpm @ 600 ft	75 m^3/h @ 180 m

Nav/Comms Equip.

Radar(s):	2
Depth Sounder:	1
Gyro Compass:	3
Doppler Log:	1
Satelite Comms:	2xINMARSAT-C
Radio:	3 x VHF; 1 x SSB

Special Equip.

Firefighting:	FiFi-1
Dynamic Positioning:	DP-2 CLASSED
Ref. Systems:	3 x MRU; 2 x DGPS 1 x Laser-based; N/A x Radar-based
Mud Mixers:	Yes
Tank Cleaning:	Yes
Rescue Boat:	6MAN SOLAS APPROVED

Registration

Flag:		VANUATU
IMO Nº:		9361627
Year Built:		2007
Builder:		ROSETTI MARINO SPA
Call Sign:		YJTC8
Tonnage (ITC):	2305 GT	848 NT

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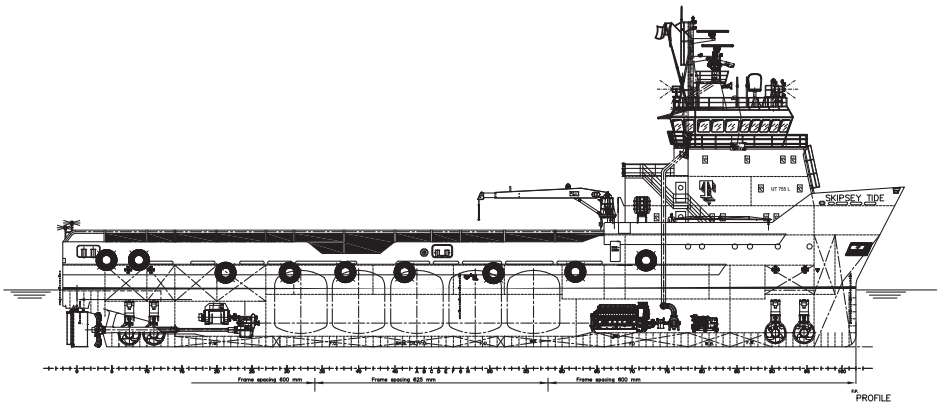
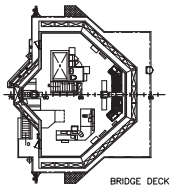
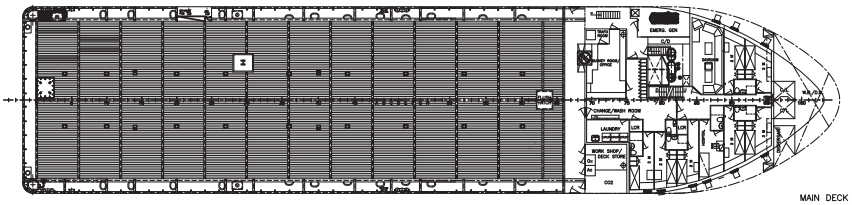
Last update: 3/9/2016

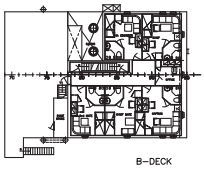
TIDEWATER® MELTON TIDE

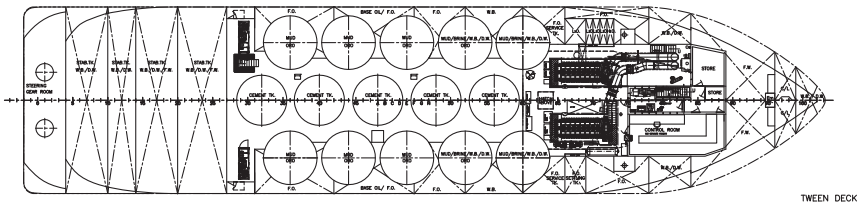
General Arrangement (Current configuration may vary.)

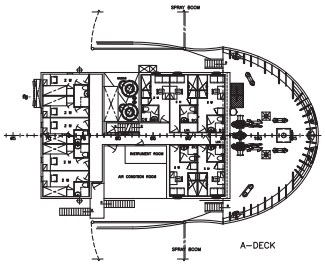


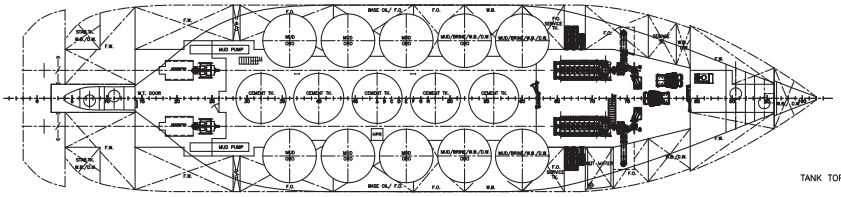


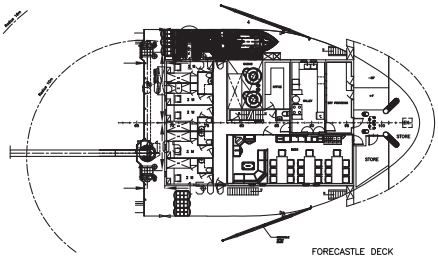












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TIDEWATER® MELTON TIDE

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.
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^3]			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^3]			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.**

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KONGSBERG

DP Capability Plot

MELTON TIDE / SKIPSEY TIDE

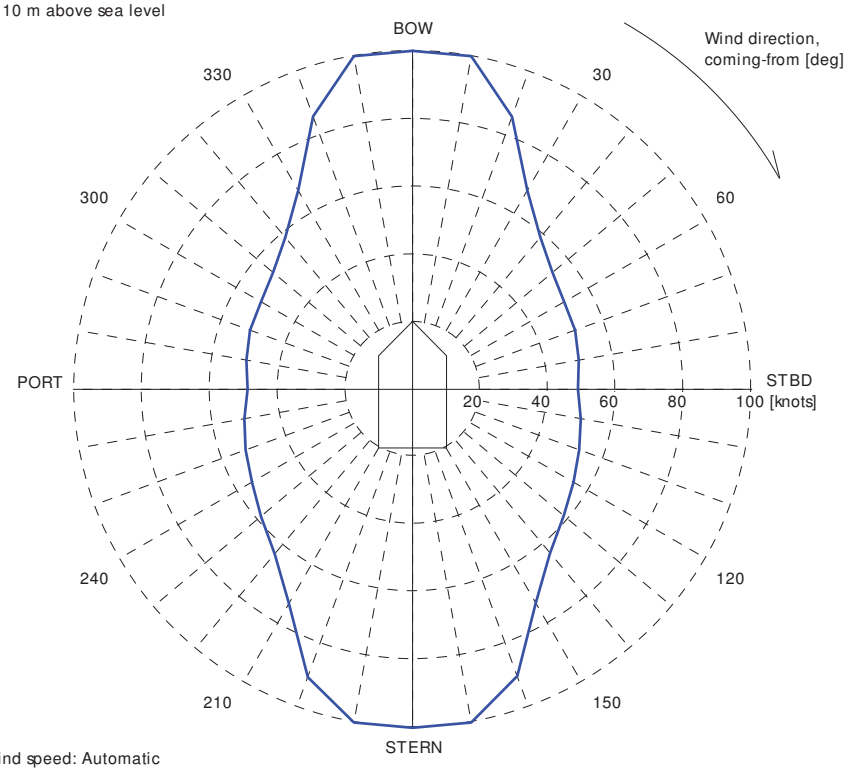
Case number	:	1
Case description	:	Optimum use of all thrusters
Thrusters active	:	T1-T6
Rudders active	:	

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

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