

T1 ABIKE



BENNETT TIDE as shown, T1 ABIKE similar

UT 755L PLATFORM SUPPLY VESSEL

Vessel Characteristics

Length, Overall:	235.9 ft	71.9 m
Beam:	52.5 ft	16 m
Depth:	23 ft	7 m
Maximum Draft:	19.1 ft	5.8 m
Light Draft:	7.5 ft	2.3 m
Minimum Height:	73.5 ft	22.4 m
Freeboard:	3.9 ft	1.2 m
Displacement:	4,880 lt	4,960 mt
Deadweight:	3,290 lt	3,340 mt
Clear Deck Space:	168 x 44 ft	51 x 14 m
Clear Deck Area:	7,440 ft ²	690 m ²
Deck Strength:	1,020 lb/ft ²	5 t/m ²
Class Notations:	ABS: A1, AMS, ACCU	

Capacities

Deck Cargo:	1,610 lt	1,640 t
Fuel Oil:	307,000 gal	1,160 m ³
Potable Water:	64,200 gal	240 m ³
Fresh Water:	162,000 gal	610 m ³
Drill/Ballast Water:	154,000 gal	580 m ³
Bulk Tanks (5 tanks):	11,300 ft ³	320 m ³
Liquid Mud (21 lbs/gal):	6,140 bbl	980 m ³
Base Oil:	1,280 bbl	200 m ³

TIDEWATER

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NOTICE: The data contained herein is provided for convenience of reference to allow users to determine the suitability of the Company's equipment. The data may vary from the current condition of equipment which can only be determined by physical inspection. Company has exercised due diligence to insure that the data contained herein is reasonably accurate. However, Company does not warrant the accuracy or completeness of the data. In no event shall Company be liable for any damages whatsoever arising out of the use or inability to use the data contained herein.

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Further specifications



Machinery

Main Engines (2):	Bergen Diesel KRM B9		
Total HP:	5,380		
Propellers (2):	CPP 2900mm, 4 blades		
Primary Generators (2):	250 kw	450 v	60 hz
Driven by:	Cummins NT 855		
Secondary Generators (2):	1,280 kw	450 v	60 hz
Driven by:	Main Engine		
Emergency Generators (1):	48 kw	450 v	60 hz
Bow Thruster (2):	CPP Tunnel		
Driven by:	691 Hp Electric Motor		
Total Thrust:	17.3 st	15.7 mt	
Stern Thruster (1):	CPP Tunnel		
Driven by:	791 Hp Electric Motor		
Total Thrust:	9.9 st	9 mt	

Deck Equipment

Anchors (2):	5423 lbs Spek type
Anchor Chain:	230 m of 38 mm chain per side
Crane:	3 t @ 15.8 m
Capstans (2):	8 t Ulstein Brattvaag CM41 (16m/min)
Tugger (2):	10 t Ulstein (16m/min)

Accommodations

No. of Berths:	22
Cabins:	10x1-man & 3x4-man
Certified to Carry:	22
Galley seating:	12

Registration

Flag: Nigeria	IMO N^o: 9236157
Year Built: 2001	Call Sign: 50BE
Builder:	BREVIK CONSTRUCTION AS
Tonnage (ITC):	2152 GT 1089 NT

Performance*

Fuel Consumption Vs Speed		
Maximum:	24.5 m ³ /day (270 gph) @ 14.5 knots	
Cruising:	14.2 m ³ /day (160 gph) @ 12 knots	
Economical:	9.1 m ³ /day (100 gph) @ 9 knots	
Range @ 12 Knots:	19,400 nm	
Transfer Rates		
Fuel Oil:	880 gpm @ 300 ft	200 m ³ /h @ 92 m
Fresh Water:	880 gpm @ 290 ft	200 m ³ /h @ 90 m
Drill/Ballast Water:	660 gpm @ 290 ft	150 m ³ /h @ 90 m
Bulk:	37.7 cfm @ 190 ft	64 m ³ /h @ 57 m
Liquid Mud:	330 gpm @ 600 ft	75 m ³ /h @ 180 m
Base Oil:	660 gpm @ 290 ft	150 m ³ /h @ 90 m
Brine:	330 gpm @ 600 ft	75 m ³ /h @ 180 m

Nav/Comms Equipment

Radar(s):	2
Depth Sounder:	1
Cyro Compass:	3
Doppler Log:	1
Radio:	3 x VHF; 1 x SSB
Sat Com:	1xInmarsat-B/1xInmarsat-C

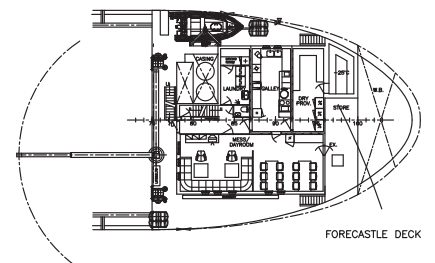
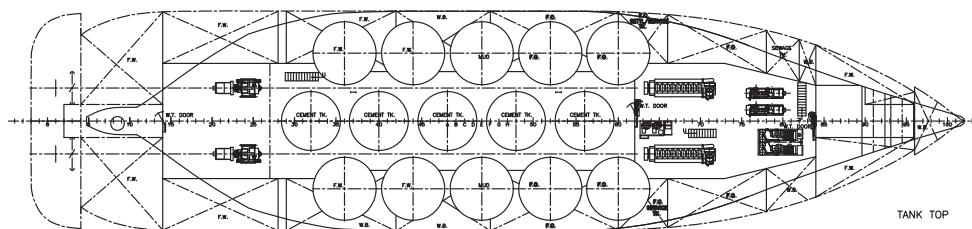
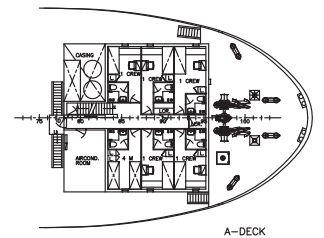
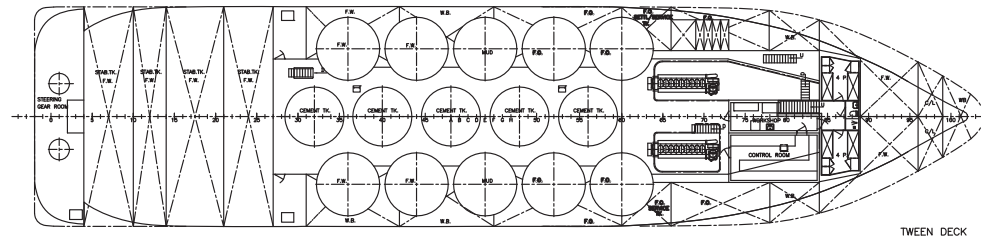
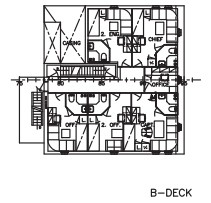
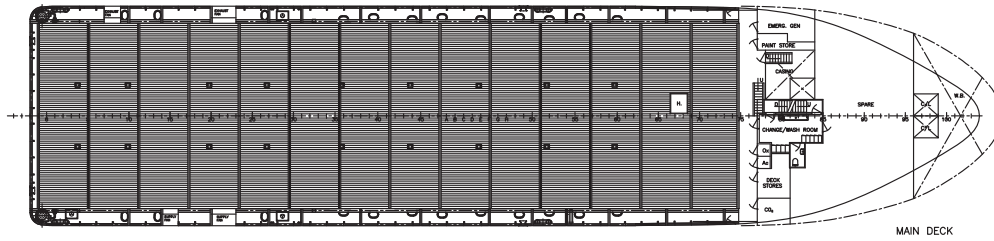
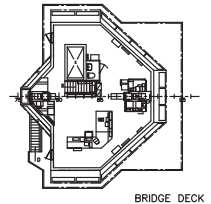
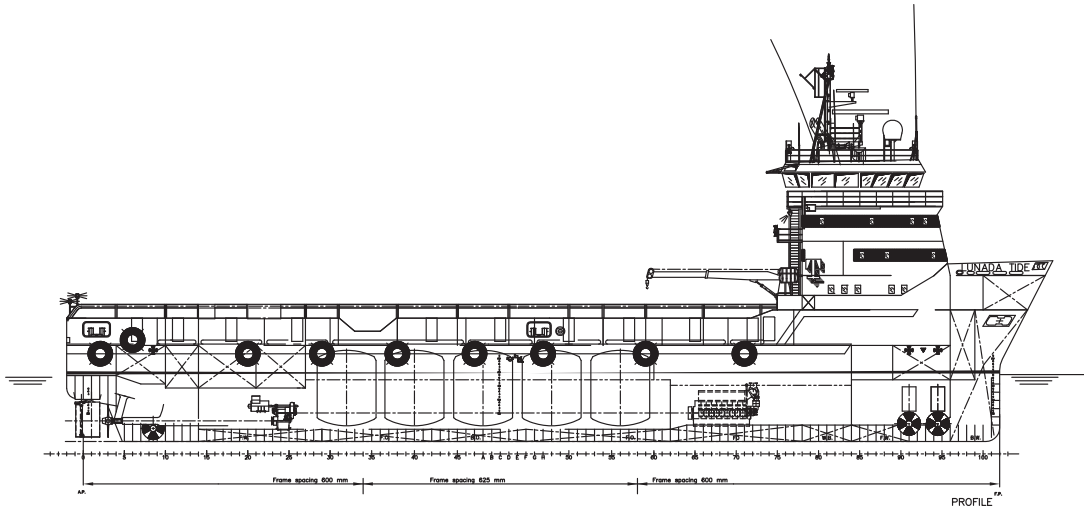
Special Equipment

Firefighting:	FiFi-1
Dynamic Positioning:	DP-2 CLASSED
Ref. Systems:	2 x MRU; 2 x DGPS 1 x Microwave-based; 1 x Laser-based
Mud Circulation System/ Mud Mixers:	Yes/Yes
Rescue Boat:	6-Man SOLAS MOB

*Approximate values assuming Ideal Conditions

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General Arrangement (Current configuration may vary.)





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	120.3				120.3								
DW/WB FP Tk 2	DW/WB	66.8				66.8								
Stab Tk 1	DW/WB/FW	202.1				202.1		202.1						
Stab Tk 2	DW/WB/FW	173.2				173.2		173.2						
Stab Tk 3	DW/WB	115.0				115.0								
Stab Tk 4 AP Tk	DW/WB	159.6				159.6								
No. 1 DB/Wg S	Ship's FW	128.4					128.4							
No. 1 DB/Wg P	Ship's FW	114.6					114.6							
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	177.0		177.0										
No. 3 DB/Wg P	FO	151.0		151.0										
No. 4 DB/Wg S	FO	178.1		178.1										
No. 4 DB/Wg P	FO	178.1		178.1										
No. 5 DB/Wg S	FO/BO	101.9	101.9	101.9										
No. 5 DB/Wg P	FO/BO	101.9	101.9	101.9										
No. 6 DB Tk S	FO	136.8		136.8										
No. 6 DB Tk P	FO	136.8		136.8										
No. 7 Wg Tk S	FW	68.0						68.0						
No. 7 Wg Tk P	FW	68.0						68.0						
No. 8 Wg Tk S	FW	39.4						39.4						
No. 8 Wg Tk P	FW	39.4						39.4						
No. 7 DB Tk C	FW	22.5						22.5						
FO SRV Tk S	FO	41.9		41.9										
FO SET Tk S	FO	41.9		41.9										
FO SRV Tk P	FO	5.5		5.5										
LM Tk 1 S	LM/BR/WB/DW	97.7				97.7				97.7				
LM Tk 1 P	LM/BR/WB/DW	97.7				97.7				97.7				
LM Tk 2 S	LM/BR/WB/DW	97.7				97.7				97.7				
LM Tk 2 P	LM/BR/WB/DW	97.7				97.7				97.7				
LM Tk 3 S	LM	97.7								97.7				
LM Tk 3 P	LM	97.7								97.7				
LM Tk 4 S	LM	97.7								97.7				
LM Tk 4 P	LM	97.7								97.7				
LM Tk 5 S	LM	97.7								97.7				
LM Tk 5 P	LM	97.7								97.7				
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 1	Dry Bulk	64.0			64.0									
Dry Bulk 2	Dry Bulk	64.0			64.0									
Dry Bulk 3	Dry Bulk	64.0			64.0									
Dry Bulk 4	Dry Bulk	64.0			64.0									
Dry Bulk 5	Dry Bulk	64.0			64.0									
Total Volume [m ³]		203.8	1,250.9	320.0	1,348.0	243.0	612.6	0.0	977.0	0.0	18.5	0.0	0.0	
Spec Sheet Total Volume [m ³]		203.8	1,161.6	320.0	581.9	243.0	612.6	0.0	977.0	0.0	18.5	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.



KONGSBERG

DP Capability Plot

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Case number : 1
 Case description : Optimum use of all thrusters
 Thrusters active : T1-T5
 Rudders active :

Version : StatCap v. 3.3.0
 Input file reference : Foot_3556.scp
 Last modified : 2018-06-13 07.54

Length overall : 72.0 m
 Length between perpendiculars : 66.8 m
 Breadth : 16.0 m
 Draught : 5.2 m
 Displacement : 4280.0 t (Cb = 0.75)
 Longitudinal radius of inertia : 16.7 m (= 0.25 * Lpp)
 Pos. of origin ahead of Lpp/2 (Xo) : 0.0 m
 Wind load coefficients : Calculated (Blendemann)
 Current load coefficients : Calculated (Strip-theory)
 Wave-drift load coefficients : Database (Scaled by Breadth/Length)

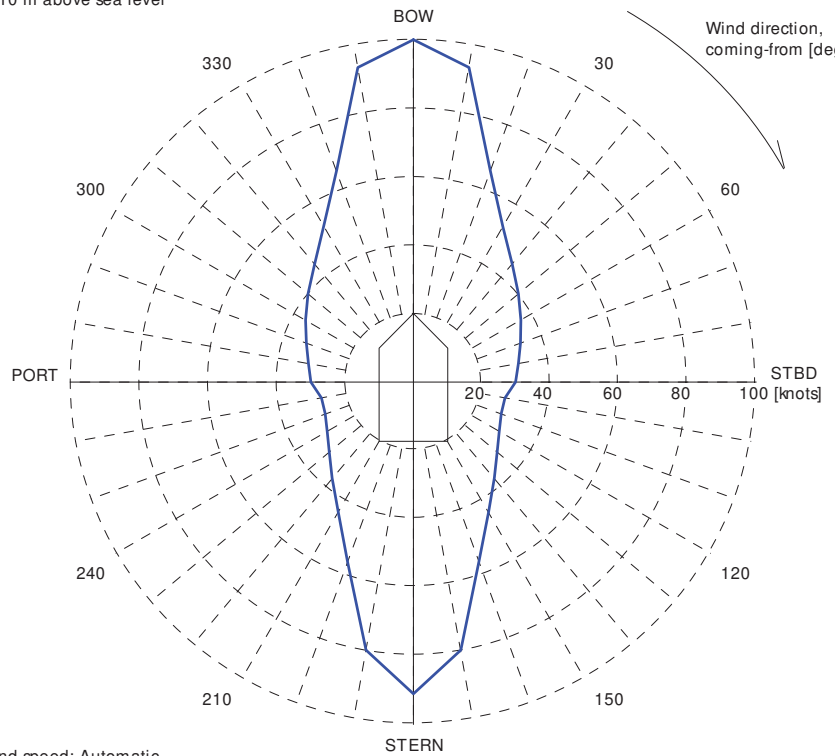
Tidal current direction offset : 0.0 deg
 Wave direction offset : 0.0 deg
 Wave spectrum type : JONSWAP (gamma = 3.30)
 Wind spectrum type : NPD
 Current - wave-drift interaction : OFF
 Load dynamics allowance : 1.0 * STD of thrust demand
 Additional surge force : 0.0 tf
 Additional sway force : 0.0 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 : ON
 Thrust loss calculation : ON (ABS)

#	Thruster	X [m]	Y [m]	F+ [tf]	F- [tf]	Max [%]	Pe [kW]	Rudder
1	TUNNEL	29.4	0.0	7.8	-7.8	100	515	
2	TUNNEL	27.3	0.0	7.8	-7.8	100	515	
3	TUNNEL	-27.8	0.0	9.0	-9.0	100	590	
4	PROP_AS	-32.3	2.4	35.4	-24.7	100	2000	ULSTEIN HLR
5	PROP_AS	-32.3	-2.4	35.4	-24.7	100	2000	ULSTEIN HLR

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

ERN = 89.
 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