# **FALNES TIDE**





#### **Vessel Characteristics**

Length, Overall:	278.9 ft	85 m				
Beam:	65.6 ft	20 m				
Depth:	28.2 ft	8.6 m				
Maximum Draft:	23.5 ft	7.2 m				
Light Draft:	10.8 ft	3.3 m				
Minimum Height:	95.1 ft	29 m				
Freeboard:	4.7 ft	1.4 m				
Displacement:	8,420 lt	8,550 mt				
Deadweight:	5,360 lt 5,45					
Clear Deck Space:	197 x 55 ft	60 x 17 m				
Clear Deck Area:	9,900 ft <sup>2</sup>	920 m <sup>2</sup>				
Deck Strength AFT:	2,050 lb/ft²	10 t/m²				
Class Notations:	DNV: +1A1, Battery(Power), Clean(Design), COMF(C-3, V-3), DK(+), DYNPOS(AUTR), E0, HL(2.8), Ice(C), LFL(*), NAUT(OSV(A)), OILREC, SF					

#### Capacities

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Deck Cargo:	3,030 lt	3,070 t
Fuel Oil:	196,000 gal	740 m <sup>3</sup>
Potable Water:	87,000 gal	330 m <sup>3</sup>
Fresh Water:	128,000 gal	490 m <sup>3</sup>
Drill/Ballast Water:	622,000 gal	2,350 m <sup>3</sup>
Bulk Tanks (6 tanks):	11,700 ft³	330 m <sup>3</sup>
Liquid Mud (2.8 SG*): *Max Structural Specific Gravity	4,380 bbl	700 m <sup>3</sup>
Methanol:	920 bbl	150 m <sup>3</sup>
Base Oil:	1,280 bbl	200 m <sup>3</sup>
Brine:	2,630 bbl	420 m <sup>3</sup>
Fire Fighting Foam:	1,660 gal	6.3 m <sup>3</sup>

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Pg.2 Further Specifications

Pg.4 Capacity Table Pg.5 DP Capability Plot

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## **FALNES TIDE** Further specifications



#### Machinery

Diesel Electric Hybrid Vessel	560 kWh Battery					
Propulsive/Total HP:	5,900 / 8,93					
Z-Drives:	Yes					
Propellers (2):	AZP100 RRM AZIPULL, 2200KW					
Primary Generators (4):	1,660 kw 690 v 60 h					
Driven by:	WARTSILA 9L20					
Emergency Generators (1):	180 kw 690 v 60 h					
Driven by:	VOLVO D9 MG RC					
Bow Thruster (3):	2x FU-74-LTC-2000 TT, 1x AR63LNC DD					
Driven by:	2x 1000KW, 1x 880KW ELECTRIC MOTORS					
Total Thrust:		35.9 st	32.6 mt			

#### **Deck Equipment**

Anchors (2):	3540 KG SPEK
Anchor Chain:	260 m of 46 mm chain per side
Windlass:	2x NMD
Crane (1):	3 t @ 13 m
Aux. Crane (1):	3 t @ 11 m
Capstans (2):	8 t NMD
Tugger (2):	15 t TU-15

#### Accommodations

No. of Berths:	22
Cabins:	10x1-man & 6x2-man
Certified to Carry:	22
Galley seating:	12
Hospital:	Yes

#### Registration

Flag: NORWAY	Home Port: SANDNES					
Hull Number: 345		IMO N <sup>o</sup> : 9591882				
Year Built: 2011	Call Sign: LCOR3					
Builder:		Kleven Verft AS				
Tonnage (ITC):	4258 GT	1799 NT				

#### Performance\*

Fuel Consumption Vs Speed								
Maximum:	24 m³/day (260 gph) @ 15.5 knots							
Cruising:	13 m	n³/day (140 gph) @ 13 knots						
Economical:	11 r	n³/day (120 gph) @ 11 knots						
Standby:	3	m³/day (33 gph) @ 0 knots						
Range @ 13 Knots:	17,700 nm							
Transfer Rates								
Fuel Oil:	660 gpm @ 300 ft	150 m³/h @ 92 m						
Fresh Water:	660 gpm @ 300 ft	150 m³/h @ 92 m						
Drill/Ballast Water:	660 gpm @ 300 ft	150 m³/h @ 92 m						
Bulk:	32.4 cfm @ 220 ft	55 m³/h @ 60 m						
Liquid Mud:	440 gpm @ 800 ft	100 m³/h @ 240 m						
Base Oil:	440 gpm @ 300 ft	100 m³/h @ 92 m						
Brine:	440 gpm @ 800 ft	100 m³/h @ 240 m						
Methanol:	330 gpm @ 300 ft	75 m³/h @ 92 m						

#### Nav/Comms Equipment

Radar(s):	2
Depth Sounder:	1
Gyro Compass:	3
Wind Speed Indicators:	2
Doppler Log:	1
Radio:	4 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/	Yes/Yes
Mud Mixers:	103/103
Tank Cleaning:	Yes
Rescue Zone:	Yes
Rescue Boat:	Weedo 600 FRC
Reefer Sockets:	9x 230V 16A
	HPR Trunk; ORO Capacity - 1796.0 m3; Special
Misc:	Prod. Capacity - 146.3 m3; MSD - 23 Persons; Oil
	Detection Radar

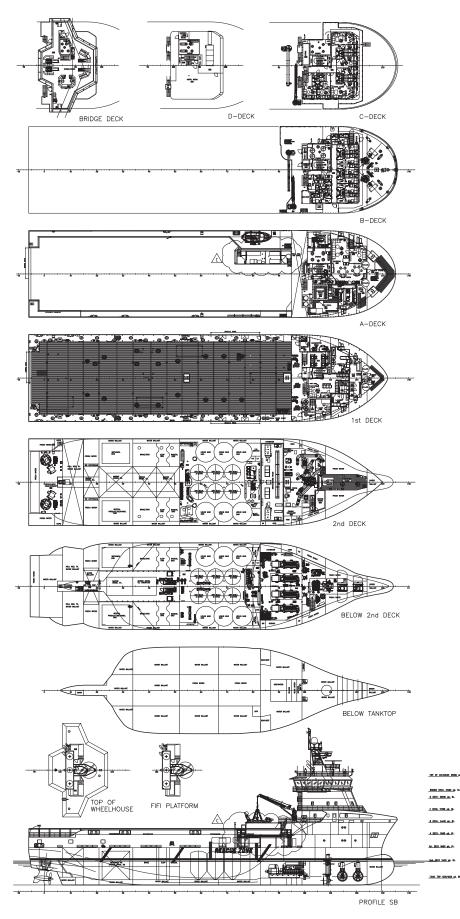
\*Approximate values assuming Ideal Conditions

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## **FALNES TIDE** General Arrangement (Current configuration may vary.)





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## **FALNES TIDE** Capacity Table



Tank	Contents	Volume	Base	Fuel	Dry	DW/WB	Potable	Fresh	Brine	Liquid	Methanol	Lube	Foam	Oil
		m <sup>3</sup>	Oil	Oil	Bulk		Water	Water	Drine	Mud	methanor	Oil	Toam	Disp.
01 FOREPEAK C	DW/WB	110.1				110.1								
201 WB/DW DB TK PS 202 WB/DW DB TK SB	DW/WB DW/WB	63.2 64.3				63.2 64.3								
202 WB/DW DB TK SB	DW/WB	70.6				70.6								
204 WB/DW DB TK SB	DW/WB	72.7				72.7								
231 ROLL RED TK C	DW/WB	163.0				163.0								
303 WB/DW DB TK PS	DW/WB	75.8				75.8								
304 WB/DW DB TK SB	DW/WB	69.8				69.8								
305 WB/DW DB TK PS	DW/WB	74.0				74.0								
306 WB/DW DB TK SB	DW/WB	74.0				74.0								
31 WB TK PS 32 WB TK SB	DW/WB	74.5 74.5				74.5 74.5								
33 WB TK PS	DW/WB	68.0				68.0								
34 WB TK SB	DW/WB	68.0				68.0								
402 WB/DW DB TK C	DW/WB	90.4				90.4								
403 WB/DW DB TK PS	DW/WB	78.1				78.1								
404 WB/DW DB TK SB	DW/WB	78.1				78.1								
41 WB TK PS	DW/WB	76.8				76.8								
42 WB TK PS	DW/WB	76.8				76.8								
501 SKEG TK C	DW/WB	140.9				140.9								
64 ROLL RED TK C 73 AFT PEAK DB TK C	DW/WB	445.0 51.9				445.0 51.9								
73 AFT PEAK DB TK C	FW	51.9 36.8				51.9 36.8		36.8						
71 AFT WG TK PS	FW	35.0				35.0		35.0						
74 FW STERN TK C AFT	FW	120.8				120.8		120.8						
11 FW DEEP TK PS	Ship's FW	164.7					164.7							
12 FW DEEP TK SB	Ship's FW	164.6					164.6							
21 FW WING TK PS	FW	52.2						52.2						
22 FW WING TK SB	FW	51.7						51.7						
301 FW DB TK C	FW	84.3						84.3						
302 FW DB TK C	FW	76.6						76.6						
61 FW DEEP TK PS 62 FW DEEP TK SB	FW	110.5 110.5						110.5 110.5						
216P FO EMER GEN	FO	3.4		3.4				110.5						
217P FO LOOSE TK INCIN.	FO	0.7		0.7										
321P FO SETTL 1	FO	23.1		23.1										
322S FO SETTL 2	FO	23.1		23.1										
323P FO SERVICE 1	FO	19.8		19.8										
324S FO SERVICE 2	FO	19.8		19.8										
410 FO OVERFLOW C	FO	65.7		65.7										
411 FO DEEP TK C 412 FO DEEP TK C	F0 F0	168.5 168.5		168.5 168.5										
510 FO DEEP TK C	FO	291.1		291.1										
63 FO DEEP TK C	FO	112.3		112.3										
421 BO/ORO PS	BO/ORO	101.9	101.9											
422 BO/ORO SB	BO/ORO	101.9	101.9											
425 BRI/ORO PS	BRI/ORO	209.0							209.0					
426 BRI/ORO SB	BRI/ORO	209.0							209.0					
325 LM/ORO 1P	LM/ORO	118.6								118.6				
326 LM/ORO 1S 327 LM/ORO 2P	LM/ORO LM/ORO	118.6 114.6								118.6 114.6				
328 LM/ORO 25	LM/ORO	114.6								114.6				
329 LM/ORO 3P	LM/ORO	114.6								114.6				
330 LM/ORO 3S	LM/ORO	114.6								114.6				
521 METH/ORO PS	METH/ORO	145.5									145.5			
DRY BULK 2P	DRY BULK	55.0			55.0									
DRY BULK 2S	DRY BULK	55.0			55.0									
DRY BULK 3P	DRY BULK	55.0			55.0									
DRY BULK 3S DRY BULK 4P	DRY BULK DRY BULK	55.0 55.0			55.0 55.0									
DRY BULK 4S	DRY BULK	55.0			55.0									
335 LO TK 1P	LO	4.5										4.5		
337 LO TK 3P	LO	5.5										5.5		
338 LO TK 4P	LO	6.3										6.3		
FOAM TANK	FOAM	6.3											6.3	
522 SPEC/ORO SB	SPEC P/ORO	146.3												
	Total Vo	lume [m <sup>3</sup> ]	203.8	896.0	330.0	2,353.1	329.3	678.4	418.0	695.6	145.5	16.3	6.3	0.0
Spe	c Sheet Total Vo		203.8	740.4	330.0			485.8	418.0	695.6	145.5	16.3	6.3	0.0
*Capacities shown are for lea														

\*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.

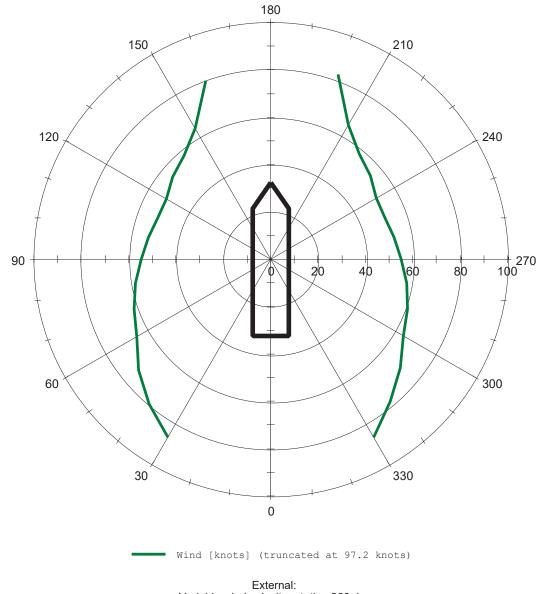
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NOTICE: The data

## **FALNES TIDE** DP Capability Plot



## Ship:4230 VS485 MkII PSVRun :All thrusters in operation



External: Variable wind velocity rotating 360 deg 1.50 knots wind generated current rotating 360 deg Variable wave height rotating 360 deg

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