# **TROMS CAPELLA**





## PSV 09 CD PLATFORM SUPPLY VESSEL

#### **Vessel Characteristics**

Length, Overall:	289 ft	88.1 m				
Beam:	62.3 ft	19 m				
Depth:	26.3 ft	8 m				
Maximum Draft:	21.7 ft	6.6 m				
Light Draft:	10.2 ft	3.1 m				
Minimum Height:	100 ft	31.5 m				
Freeboard:	4.6 ft	1.4 m				
Displacement:	7,420 lt	7,540 mt				
Deadweight:	4,590 lt	4,660 mt				
Clear Deck Space:	205 x 52 ft	63 x 16 m				
Clear Deck Area:	10,800 ft <sup>2</sup>	1000 m <sup>2</sup>				
Deck Strength FWD:	1,024 lb/ft²	5 t/m²				
Deck Strength AFT:	2,050 lb/ft²	10 t/m²				
Class Notations:	DNV: +1A1, SUPPLY VESSEL, CLEAN(DESIGN), COMF(V-3), DK(+), DYNPOS(AUTR), E0, HL(2.8), LFL(*), NAUT(OSV(A)), SF					

#### Capacities

2,400 lt	2,440 t
256,000 gal	970 m <sup>3</sup>
39,600 gal	150 m <sup>3</sup>
231,000 gal	880 m <sup>3</sup>
590,000 gal	2,230 m <sup>3</sup>
11,400 ft³	320 m <sup>3</sup>
6,060 bbl	960 m³
1,050 bbl	170 m <sup>3</sup>
1,180 bbl	190 m <sup>3</sup>
	256,000 gal 39,600 gal 231,000 gal 590,000 gal 11,400 ft <sup>3</sup> 6,060 bbl 1,050 bbl

## TIDEWATER

Pg.2 Further Specifications

Pg.3 General Arrangement

Find out more

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Pg.4 Capacity Table Pg.5 DP Capability Plot

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### **TROMS CAPELLA** Further specifications



#### Machinery

Diesel Electric Vessel								
Propulsive/Total HP:	bulsive/Total HP: 5,900 / 8,59							
Z-Drives:	Yes							
Propellers (2):	Rolls Royce Marine 2200kW							
Primary Generators (4):	1,600 kw	690 v	60 hz					
Driven by:	Wartsila 9L20							
Emergency Generators (1):	370 kw	690 v	60 hz					
Driven by:		Cummins Stamf	ord HCM534C					
Bow Thruster (2):	Rolls Royce 1xTunnel, 1xDrop Down							
Driven by:	880kW Electric Motor							
Total Thrust:	29.5 st 26.8 mt							

#### **Deck Equipment**

Anchors (2):	3920 KG
Anchor Chain:	260 m of 48.3 mm chain per side
Windlass:	2 x ODIM BRATTVAAG
Crane (1):	2 t @ 6.7 m
Aux. Crane (1):	1 t @ 7.9 m
Capstans (2):	10 t BRATTVAAG
Tugger (2):	10 t BRATTVAAG

#### Accommodations

No. of Berths:	44
Cabins:	10x1-man & 17x2-man
Certified to Carry:	44
Galley seating:	28
Hospital:	Yes

#### Registration

Flag: ISLE OF MAN	1	Home Port: DOUGLAS						
Hull Number: 81		IMO N <sup>o</sup> : 9480722						
Year Built: 2011	Call Sign: 2HDJ5							
Builder:	COCH	IN SHIPYARD LIMITED						
Tonnage (ITC):	4059 GT	1627 NT						

#### Performance\*

Fuel Consumption Vs Speed									
Maximum:	28.2 m³/day (310 gph) @ 15 knots								
Cruising:	16 r	n³/day (180 gph) @ 11 knots							
Economical:	13.2 m <sup>3</sup> /	/day (140 gph) @ 10.3 knots							
Standby:	3.6	m³/day (40 gph) @ 0 knots							
Range @ 11 Knots:	16,000 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:	1,100 gpm @ 300 ft	250 m³/h @ 92 m							
Bulk:	31.5 cfm @ 190 ft	53.5 m³/h @ 57 m							
Liquid Mud:	440 gpm @ 800 ft	100 m³/h @ 240 m							
Base Oil:	330 gpm @ 300 ft	75 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:	8 × VHF
Sat Com:	V-SAT

#### Special Equipment

Dynamic Positioning:	DP-2
Ref. Systems:	3 x MRU; 2 x DGPS 1 x Laser-based
Mud Mixers:	Yes
Tank Cleaning:	Yes
Rescue Boat:	Viking 470 GRP 1
Reefer Sockets:	10x 230V
Misc:	ERN - 99.99.91

\*Approximate values assuming Ideal Conditions

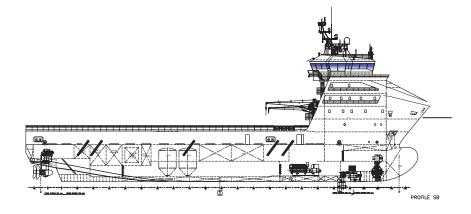
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**TROMS CAPELLA** 

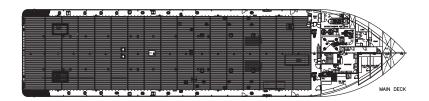
## General Arrangement (Current configuration may vary.)

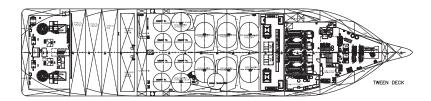


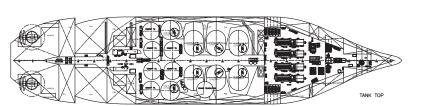


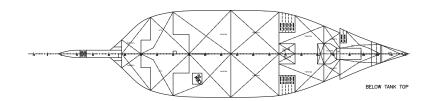


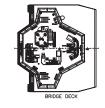
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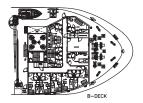


UNDER WHEELHOUSE



D-DECK





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## **TROMS CAPELLA** Capacity Table



Tank	Contents	Volume m <sup>3</sup>	Base	Fuel	Dry	DW/WB	Potable	Fresh	Brine	Liquid	Methanol	Lube	Foam	Oil
01 Forepeak Tk	DW/WB	101.5	Oil	Oil	Bulk	101.5	Water	Water		Mud		Oil		Disp.
04 WB DBWT3 SB	DW/WB	92.5				92.5								
05 WB DBWT3 PS	DW/WB	83.8				83.8								
06 WB WT4 SB	DW/WB	83.3				83.3								
07 WB DBWT4_PS	DW/WB	140.6				140.6								
08 WB DB4_SB	DW/WB	53.4				53.4								
10 WB DBWT5_SB	DW/WB	194.6				194.6								
11 WB DBWT5_PS	DW/WB	194.6				194.6								
12 WB DBWT6_SB	DW/WB	203.7				203.7								
13 WB DBWT6_PS	DW/WB	204.3				204.3								
16 WB DBWT9_SB	DW/WB	83.0				83.0								
17 WB DBWT9_PS	DW/WB	83.0				83.0								
22 WB AFTPEAK_SB	DW/WB/FW	122.1				122.1								
23 WB AFTPEAK_PS	DW/WB/FW	113.5				113.5								
24 WB CD METH	DW/WB	186.8				186.8								
25 STAB 1	DW/WB	291.8				291.8		287.9						
26 STAB 2	DW/WB/FW DW/WB/FW	287.9 197.3				287.9		287.9						
27 STAB 3 02 FW DBWT2 SB	Ship's FW	77.4				197.3	77.4	197.3						
02 FW DBWT2_3B 03 FW DBWT2 PS	Ship's FW	72.5					72.5							
09 FW WATER MIST TK	FW	84.0					12.5							
14 FW DBWT7 SB	FW	72.2						72.2						
15 FW DBWT7 PS	FW	71.8						71.8						
18 FW DBWT10 SB	FW	70.4						70.4						
19 FW DBWT10 PS	FW	70.4						70.4						
20 FW DBWT11_SB	FW	53.1						53.1						
21 FW DBWT11 PS	FW	53.1						53.1						
42 FO CT5 SB	FO	231.4		231.4										
43 FO CT5_PS	FO	216.4		216.4										
44 FO CT6_SB	FO	184.7		184.7										
45 FO CT7_PS	FO	61.4		61.4										
46 BASE OIL_SB	FO/BO	94.6	94.6	94.6										
47 BASE OIL_PS	FO/BO	93.2	93.2	93.2										
48 FO OVERFLOW_PS	FO	47.4		47.4										
49 FO CT6_PS	FO	87.9		87.9										
50 FO SERV	FO	18.8		18.8										
51 FO SERV2	FO	13.3		13.3										
55 FO DRAIN	FO	9.1		9.1										
71 FO SETTL	FO	8.6		8.6										
74 FO EM GEN TK	FO	5.7		5.7						400.4				
28 MUD1_SB 29 MUD1 PS	LM/BR/WB	132.1								132.1 132.1				
30 MUD2 SB	LM/BR/WB	132.1								124.0				
31 MUD2 PS	LM/BR/WB	132.1								132.1				
32 MUD3 SB	LM/BR/WB	123.8								123.8				
33 MUD3 PS	LM/BR/WB	132.0								132.0				
34 MUD4 SB	LM/BR/WB	93.6								93.6				
35 MUD4 PS	LM/BR/WB	93.6								93.6				
52 METH_SB	METH	83.7									83.7			
53 METH_PS	METH	83.7									83.7			
61. LUBEOIL	LO	13.2										13.2		
77. LUBOIL2	LO	5.3										5.3		
36. CEM3_SB	Dry Bulk	53.6			53.6									
37. CEM3_PS	Dry Bulk	53.6			53.6									
38. CEM2_SB	Dry Bulk	53.6			53.6									
39. CEM2_PS	Dry Bulk	53.6			53.6									
40. CEM1_SB	Dry Bulk	53.6			53.6									
41. CEM1_PS	Dry Bulk	53.6			53.6									
	Total M	lume [m <sup>3</sup> ]	187.8	1.072 5	321 6	2,717 7	149.9	876.2	0.0	963.3	167.4	18.5	0.0	0.0
	Total Vo c Sheet Total Vo	nume [m <sup>*</sup> ]	187.8	969.6	321.6	2.232.5	149.9	876.2	0.0	963.3	167.4	18.5	0.0	0.0
Spe	c sneet i otai Vo	nume [m°]	10110	00010	Junhéhu	1,10210	1.1010	0.012	010	000.0	10/14	1010	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.

NOTICE: The dat

## **TROMS CAPELLA** DP Capability Plot



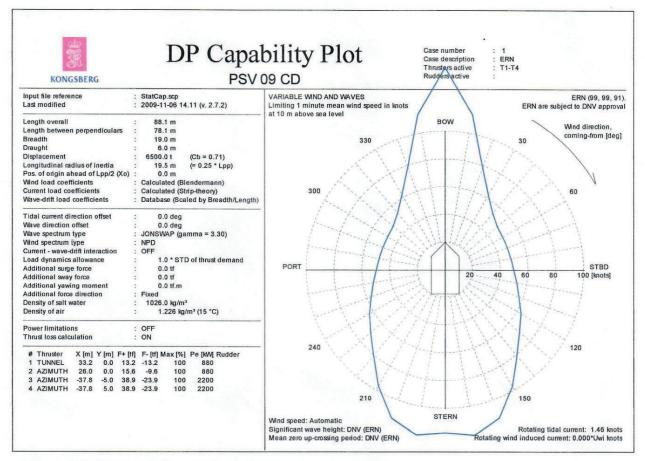


Figure 10: DP capability envelope for case 1.

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