# **TROMS CASTOR**





## VS 485 CD PLATFORM SUPPLY VESSEL

#### **Vessel Characteristics**

Length, Overall:	278.9 ft	85 m				
Beam:	65.6 ft	20 m				
Depth:	28.2 ft	8.6 m				
Maximum Draft:	23.6 ft	7.2 m				
Light Draft:	10.5 ft	3.2 m				
Minimum Height:	95.8 ft	29.2 m				
Freeboard:	4.6 ft	1.4 m				
Displacement:	8,420 lt	8,560 mt				
Deadweight:	5,400 lt	5,490 mt				
Clear Deck Space:	197 x 55 ft	60 x 17 m				
Clear Deck Area:	10,700 ft <sup>2</sup>					
Deck Strength AFT:	2,050 lb/ft² 1					
Class Notations:	DNV: +1A1, ICE-C, OILREC, SF, LFL*, COMF-V(3) C(3) ,HL(2.8), E0, DYNPOS-AUTR, NAUT-OSV(A), CLEAN DESIGN, DK(+), NOFO 2005					

#### Capacities

Deck Cargo:	2,810 lt	2,860 t
Fuel Oil:	211,000 gal	800 m <sup>3</sup>
Potable Water:	101,000 gal	380 m <sup>3</sup>
Fresh Water:	152,000 gal	570 m <sup>3</sup>
Drill/Ballast Water:	653,000 gal	2,470 m <sup>3</sup>
Bulk Tanks (8 tanks):	15,500 ft³	440 m <sup>3</sup>
Liquid Mud (2.8 SG*): *Max Structural Specific Gravity	4,420 bbl	700 m <sup>3</sup>
Methanol:	1,830 bbl	290 m³
Base Oil:	1,280 bbl	200 m <sup>3</sup>
Brine:	2,630 bbl	420 m <sup>3</sup>
Oil Dispersant:	9,090 gal	34.4 m <sup>3</sup>

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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 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

## **TROMS CASTOR** Further specifications



#### Machinery

Diesel Electric Vessel						
Propulsive/Total HP:			6,170 / 9,790			
Z-Drives:			Yes			
Propellers (2):	S	teerprop SP-35	CRP 2300KW			
Primary Generators (4):	1,820 kw	690 v	60 hz			
Driven by:			CAT 3516 BTA			
Emergency Generators (1):	180 kw	690 v	60 hz			
Driven by:	Volvo Penta D9A MGR					
Bow Thruster (3):	2xBrunvoll FU-80LTA-2000 TT, 1xAR-63- LNA-1650 DD					
Driven by:	2x1000kW Electric Motors, 1x880kW Electric Motor					
Total Thrust:		48.3 st	43.8 mt			

#### **Deck Equipment**

Anchors (2):	3540KG
Anchor Chain:	260 m of 46 mm chain per side
Windlass:	NDM AW46K3
Crane (1):	3 t @ 11.6 m
Aux. Crane (1):	3 t @ 7 m
Capstans (2):	8 t NDM C-8
Tugger (2):	15 t NDM TU-15

#### Accommodations

No. of Berths:	23
Cabins:	13x1-man & 5x2-man
Certified to Carry:	23
Galley seating:	12
Hospital:	Yes

#### Registration

Flag: NORWAY	Home Port: TROMS Ø					
Hull Number: 144	IMO N <sup>0</sup> : 94222					
Year Built: 2009	Call Sign: LAL					
Builder:	HELLESOY VERF					
Tonnage (ITC):	4366 GT	1813 NT				

#### **Performance**\*

Fuel Consumption Vs Speed								
Maximum:	23.9 m³/day (260 gph) @ 15 knots							
Cruising:	15.9 m	n³/day (180 gph) @ 12 knots						
Economical:	11.8 r	m³/day (130 gph) @ 11 knots						
Standby:	3.6	m³/day (40 gph) @ 0 knots						
Range @ 11 Knots:		18,000 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:	660 gpm @ 300 ft	150 m³/h @ 92 m						
Bulk:	32.4 cfm @ 220 ft	55 m³/h @ 66 m						
Liquid Mud:	440 gpm @ 800 ft	100 m³/h @ 240 m						
Base Oil:	440 gpm @ 300 ft	100 m³/h @ 92 m						
Brine:	660 gpm @ 220 ft	150 m³/h @ 68 m						
Methanol:	330 gpm @ 240 ft	75 m³/h @ 73 m						

#### Nav/Comms Equipment

Radar(s):	2
Depth Sounder:	1
Gyro Compass:	3
Wind Speed Indicators:	2
Radio:	4 x VHF

#### **Special Equipment**

Dynamic Positioning:	DP-2
Ref. Systems:	2 x MRU; 2 x DGPS 1 x Microwave-based; 1 x Laser-based
Mud Mixers:	Yes
Tank Cleaning:	Yes
Rescue Zone:	Yes
Rescue Boat:	1xALUSAFE 700 FRC MKII TWIN
Misc:	ERN: 99,99,99,56; DACON RESCUE SCOOP; OIL DETECTION RADAR + CAMERA; ORO Capa- ble - 1803.4m3, Mud Slop - 186.8m3; Shore Power Connection: 2x350A

\*Approximate values assuming Ideal Conditions

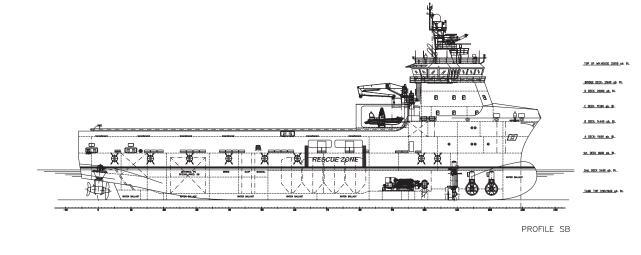
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**TROMS CASTOR** 

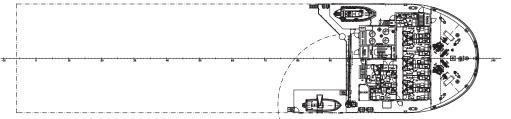
## General Arrangement (Current configuration may vary.)

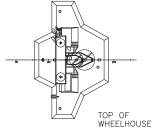


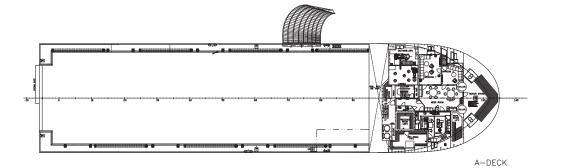


B-DECK

1st DECK



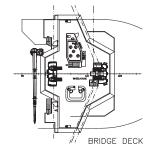


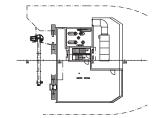


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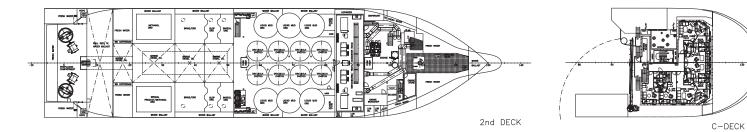
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## **TROMS CASTOR** Capacity Table



Dit C PF WENDW TK DUWNE 110.3 110.3 110.3 000000000000000000000000000000000000	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.
BC1 + D B WHOW TK     OWW     62.0     SE     SE <td>01.C FP WB/DW TK</td> <td>DW/WB</td> <td></td> <td>011</td> <td></td> <td>Buik</td> <td>110.3</td> <td>mater</td> <td>Water</td> <td></td> <td>maa</td> <td></td> <td></td> <td></td> <td>Dispi</td>	01.C FP WB/DW TK	DW/WB		011		Buik	110.3	mater	Water		maa				Dispi
222.5 DB WHOW TK     DWWB     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0     95.0															
B02.9 D BUBOW TK     DUWNB     72.4     72.4     72.4     72.4       B03.9 D BUBOW TK     DUWNB     198.7     198.7     198.7       B14.7 L Tank PS     DUWNB     138.7     132.7     132.7     132.7       B14.7 L Tank PS     DUWNB     138.7     132.7     132.7     132.7       B14.7 L Tank PS     DUWNB     135.7     132.7     132.7     132.7       B14.7 L Tank PS     DUWNB     135.7     132.7     132.7     132.7       B14.7 L Tank PS     DUWNB     155.7     154.9     154.9     154.9       S16.5 Mg DTK     DUWNB     164.3     164.9     164.9     164.9       S16.5 Mg DTK     DUWNB     164.7     164.9     164.9     164.9       S16.7 MD DTK     DWNB     164.5     164.4     164.4     164.9       S2.8 M D Cifferdam TK     DWNB     164.5     164.9     164.9     164.9       S2.8 M D Cifferdam TK     DWNB     164.5     164.9     164.9     164.9       S2.8 M D Cifferdam TK     PW MG															
204.5 D BWD0 YTK     DWWB     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4     72.4	203.P DB WB/DW TK														
23 L C R L R L T K D WWB 193.6 193.6 193.6 193.6 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 193.7 19															
31.4 P L-Trank PS DWWB 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.7 138.	231.C Roll Red. TK														
23.8 L Trank SB   DWWB   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7   135.7															
BAB L Trank PS     DWWN     135.7     DWWN															
Disk Lemis B   DWWR   158.7   DWWR   158.7   DWWR   158.7   DWWR   158.9   DWWR <th< td=""><td>33.P L-Tank PS</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	33.P L-Tank PS														
GG2 CD BUBOW TK     DW/WE     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5     90.5	34.S L-Tank SB														
di P L Chank PS DWWB 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9 164.9<															
22.3 L Tank 88   DWWB   194.9   194.9   195.3     S1.6 BkG Criferdam TK   DWWB   190.7   190.7   190.7     S2.8 WG Cofferdam TK   DWWB   190.7   190.7   190.7     S2.5 WB Cofferdam TK   DWWB   190.7   190.7   190.7     S2.6 AP DB TK   DWWB   191.7   190.7   190.7     S2.7 DW Cofferdam TK   DWWB   191.6   143.9   191.8     S1.9 PD Bep TK   Ships FW   164.6   140.4   140.4     S2.2 Str W Grig TK   FW   64.6   164.4   52.3     S0.1 C FW DF TK   FW   64.6   164.4   164.4   164.4     S2.2 Str W Grig TK   FW   64.6   164.4   164.4   164.4     S2.2 Str W Grig TK   FW   64.6   164.6   164.4   164.4   164.6   164.6   164.6   164.6   164.6   164.6   164.6   164.6   164.6   164.6   164.6   164.6   164.6   164.6   164.6   164.6   164.6   164.6   164.6   164.6   164.6   164.6   164.6   164.6 <td></td>															
B01.C Skeg TK   DWWB   109.3   100.3   100.7     S2.S WE Cofferdam TK   DWWB   100.7   100.7   100.7     S2.S WE Cofferdam TK   DWWB   439.9   439.9   100.7     S2.A WE Dep TK   Ships FW   164.4   100.7   100.7     S1.P FW Dep TK   Ships FW   164.4   100.7   100.7     S2.S WE Dep TK   Ships FW   164.4   100.7   100.7     S0.0 FW Dep TK   FW   84.3   100.7   100.7     S0.0 FW DPTK   FW   84.3   100.7   100.7     S2.S FW Dep TK   FW   10.3   10.7   10.7   10.7     S2.S FW Dep TK   FW   10.5   10.7   10.7   10.7   10.7   10.7   10.7   10.7   10.7   10.7   10.7   10.7   10.7   10.7   10.7   10.7   10.7   10.7   10.7   10.7   10.7   10.7   10.7   10.7   10.7   10.7   10.7   10.7   10.7   10.7   10.7   10.7   10.7   10.7   10.7   10.7   10.7   10.7															
31.9 WG Coffordam TK   DWWB   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7   190.7<															
22.5 W ECONFECTION K   DWWNE   190.7     22.6 W ECONFECTION K   DWWNE   439.0     7.3 C A D B TK   DWWNE   439.0     7.3 C A D B TK   DWWNE   51.9     11.1 FW Deep TK   Ships FW   164.4     12.5 FW Deep TK   Ships FW   164.4     12.5 FW Deep TK   Ships FW   164.4     12.5 FW Deep TK   FW   76.6     301.6 FW DB TK   FW   76.6     302.6 FW DB TK   FW   10.5     17.6 PW MTK   FW   76.6     302.6 FW DB TK   FW   10.5     302.6 FW DB TK   FW   10.5     302.6 FW DB TK   FW   10.6     7.7 FW AFW MG TK   FW   10.6     7.8 FW Deep TK   FW   10.6     7.1 FW AFW MG TK   FW   33.0     7.2 SP MAFW GTK   FW   10.6     21.7 FO TK   FO   12.2     22.3 P 0 SITT, TK 1   FO   22.3     22.3 F0 SITT, TK 1   FO   12.6     12.4 FO TK   FO   16.5     12.4 FO TK   FO   16															
B4C 601 Red. TK   DWWE   39.9   439.9   439.9   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10.4   10															
73.C A P DE TK   DWWE   51.9   14.6     11.P FW Deep TK   Ships FW   164.4     12.S FW Deep TK   Ships FW   164.4     12.S FW Ming TK   Ships FW   164.4     12.S FW Wing TK   Ships FW   164.4     12.S FW Ming TK   Ships FW   15.7     302.C FW DE TK   FW   10.5     13.D FW Deep TK   FW   10.5     17.F W AR WORTK   FW   10.5     17.P W AR WORTK   FW   10.5     12.S FW Deep TK   FW   10.5     12.S FW Deep TK   FW   10.5     12.S FW Deep TK   FW   10.5     12.S FO SETT. TK 1   FO   12.3     22.S FO SETT. TK 2   FO   18.7     10.5 C FO Deep TK   FO   18.7     11.C FO Deep TK   FO   11.2     11.C FO Deep TK   FO   12.7     12.S FO SETT. TK 1   FO   12.7     13.2   12.8   57.7     141.C FO Deep TK   FO   18.5   11.7     142.F D Deep TK   FO   16.7   18.5   1															
11.9 FW Deep TK   Shipp FW   164.6   164.6   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4   164.4 </td <td></td>															
12.5 FW Uberp Tk   Ships FW   164.4     22.5 FW Wing TK   Ships FW   51.7     30.1 C FW DB TK   FW   64.3     10.1 C FW DB TK   FW   76.6     10.1 FW MDerp TK   FW   10.5     10.2 FW DD TK   FW   10.5     10.5 Z.5 FW MATW OT K   FW   35.0     21.7 FPO TK   FO   1.2     11.5 Service TK 1   FO   1.2     22.5 FO SETT. TK 1   FO   18.7     11.5 ConcertK   FO   18.7     11.5 ConcertK   FO   18.5     11.5 ConcertK   FO   18.5     11.5 ConcertK   FO   18.5     11.5 ConcertK   FO   18.5     11.5 ConcertK   FO   18.5 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>0110</td><td>164.6</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>							0110	164.6							
21.P FW Wing TK FW 92.2 FW FW 84.3   301.C FW DB TK FW 84.3 51.7 84.3   302.C FW DB TK FW 76.6 10.5 10.6   51.P MDeep TK FW 110.5 10.6 10.6   52.F W Deep TK FW 110.5 10.6 10.6   52.F W Deep TK FW 110.5 10.6 10.6   52.F W Deep TK FW 10.6 36.8 10.6   71.P FW Af WO TK FW 36.8 10.6 36.8   72.F W Af WO TK FW 120.6 10.7 10.6   72.F W Af WO TK FO 3.3 3.8 35.0 10.6   72.F W Af WO TK FO 1.2 1.2 12.0 12.0   72.F S W Af WO TK FO 1.2 1.2 12.0 10.0   72.F S WO AT M FO 1.2 1.2 1.2 1.0 1.0   72.F P M Af WO TK FO 1.2 1.2 1.2 1.0 1.0 1.0   72.F S WO AT M K FO 1.2 1.2 1.0 1.0 1.0 1.0   72.F S WO AT M K FO 1.2 1.2 1.0 1.0 1.0 <	· · ·														
22.8 FW Wing TK   Ships FW   64.3   1   51.7   68   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1 <t< td=""><td>· · ·</td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td>52.2</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	· · ·	-							52.2						
301.C FW Dep TK   FW   64.3     302.C FW Dep TK   FW   76.6     S1.P FW Dep TK   FW   110.5     S2.F W Dep TK   FW   130.6     T/1.P W Aft WG TK   FW   36.8     S2.F W Dep TK   FW   120.6     S2.F D SETT. TK 1   FO   12.3     S2.F D SETT. TK 2   FO   18.7     S2.F D SETT. TK 2   FO   18.5     S2.F D SETT. TK 2   FO   18.5     S2.F D SETT. TK 4   FO   18.5     S2.F D SETT. TK 7   FO   18.5     S2.F D SETT. TK 7   FO   18.5     S2.F D SETT. TK 1   FO   18.5     S2.F D SETT. TK 6   FO   18.5     S2.F D SETT. TK 6   FO   12.5 <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td>51.7</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>			-					51.7							
302.2 FW Dep TK   FW   76.6   FW   10.5     52.5 FW Dep TK   FW   110.5   110.5   110.5     52.5 FW At WO TK   FW   35.0   110.5   110.5     52.6 FW At WO TK   FW   35.0   110.5   110.5   110.5     74.6 FW Stem TK   FW   35.0   3.3   3.3   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0								51.7	84 3						
BLP FW Deep TK   FW   110.5   110.5   110.5   110.5   110.5   110.5   110.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5   10.5															
B23.5 FW Desp. TK     FW     110.5       71.9 FW Aft WG TK     FW     36.8       71.9 FW Stem TK     FW     35.0       71.0 FW Stem TK     FW     120.6       74.6 FW Stem TK     FO     1.2       72.1 FW Stem TK     FO     1.2       72.4 FW Stem TK     FO     1.2       72.5 FW Aft WG TK     FO     1.2       72.6 FW Aft WG TK     FO     1.2       72.7 FW Stem TK     FO     1.2       72.8 FW Aft WG TK     FO     1.2       72.6 FW Aft WG TK     FO     1.4       72.7 FW Aft WG TK     FO     1.4       72.8 Stemic/ORD TK     FO     1.4       71.1 C D Deep TK     FO     112.3       71.2 C D Deep TK     FO     112.3       72.1 F Meth/ORD TA     BI/ORO TOR     BI/ORO TOR       72.1 F Meth/ORO TK     BI/ORO TOR     BI/ORO TOR															
T/P, FW AR, WG TK   FW   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8   36.8															
T2.5 FW AT WG TK   FW   35.0   35.0     216.6 PFO TK   FO   3.3   3.3     217.7 PK TK   FO   3.3   1.2     217.7 PK TK   FO   1.2   1.2     323.8 Perice TK 1   FO   12.3   22.3     323.5 Post TT, TK 2   FO   18.7   18.7     323.5 Post TK 1   FO   18.7   18.7     324.5 Post TK 1   FO   168.5   168.5     100.0 Vertice TK 2   FO   168.5   168.5     110.2 Post Deep TK   FO   168.5   168.5     120.6 Deep TK   FO   168.5   168.5     120.7 Deep TK   FO   168.5   168.5     122.7 Base OliORO TK   BO/ORO   101.9   101.9     122.8 Base OliORO TK   BN/ORO   209   209.0   209.0     22.5 PLMORO TK   BN/ORO   146.3   146.3     22.5 PLMORO TK   BN/ORO   146.3   146.3     22.5 PLMORO TK   LM/ORO   146.3   146.3     22.5 PLMORO TK   LM/ORO   146.0   146.3     22.5 PLM															
TAC C FW Storm TK   FW   120.6     216.P FO TK   F0   3.3   3.3     217.P FO TK   F0   3.3   3.3     217.P FO SETT. TK 1   F0   1.2   1.2     321.P FO SETT. TK 2   F0   19.8   19.8     410.C Overflow TK   F0   18.7   18.7     223.P Service TK 1   F0   18.7   18.5     410.C Overflow TK   F0   65.7   65.7     410.C Overflow TK   F0   168.5   168.5     410.C Overflow TK   F0   168.5   168.5     412.C FO Deep TK   F0   168.5   168.5     510.C FO Deep TK   F0   112.3   112.3     521.P MethORO TK   BRORO 101.9   101.9   101.9     422.P Base Oli/ORO TK   BRORO 209   146.3     522.S Spec. Prod./ORO SP/ORO 146.3   119.5   119.5     523.P LIMORO TK   LMORO 1116.0   116.0     523.P LIMORO TK   LMORO 1116.0   111.2     533.P DY Bulk TK   Dry Bulk 55   55.0     313.P DY Bulk TK   Dry Bulk 55   55.0															
216.F PO TK   FO   3.3   3.3     217.P FO TK   FO   1.2   1.2     217.P FO TK   FO   1.2   1.2     22.1.P CO SETT. TK 1   FO   22.3   22.3     322.F SPOSETT. TK 2   FO   24.2   24.2     323.F Service TK 1   FO   19.8   19.8     10.C Overflow TK   FO   168.5   168.5     110.C Overflow TK   FO   168.5   168.5     112.C FO Deep TK   FO   112.3   112.3     22.P Base Oli/ORO TK   BO/ORO   101.9   101.9     22.P Base Oli/ORO TK   BO/ORO   101.9   101.9     22.S Spec.rod/ORO TK   BR/ORO   209   209.0     22.S Spec.rod/ORO TK   BR/ORO   209   209.0     22.S Spec.rod/ORO TK   BR/ORO 116.0   209.0   209.0     22.S Spec.rod/ORO TK   LM/ORO 116.0   118.0   118.0     23.S LI// Meth/ORO TK   LM/ORO 116.0   118.0   118.0     23.S LI// Meth/ORO TK   LM/ORO 116.0   118.0   118.0     23.S LI// MORO TK   LM/ORO 116.0   30.0															
217.P F0 TK   F0   1.2   1.2   1.2     321.P F0 SETT. TK 1   F0   22.3   22.3   22.3     322.S F0 SETT. TK 2   F0   18.7   18.7     323.4 Service TK 1   F0   18.7   19.8     410.C Overflow TK   F0   168.5   168.5     410.C Overflow TK   F0   168.5   168.5     412.C F0 Deep TK   F0   112.3   112.3     521.P Meth/ORO TK   METH/ORO   145.5   145.5     224.P Base Oli/ORO TK   BO/ORO   101.9   101.9     425.P Brine/ORO TK   BR/ORO   209   209.0   209.0     224.S Berine/ORO TK   BR/ORO   209   146.3   145.5     225.S pt.// NORO TK   LM/ORO   116.0   116.0   116.0     325.P LM/ORO TK   LM/ORO   116.0   116.0   116.0   116.0     325.P LM/ORO TK   LM/ORO   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0 <td></td> <td></td> <td></td> <td></td> <td>2.2</td> <td></td> <td></td> <td></td> <td>120.0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>					2.2				120.0						
321.P FO SETT. TK 1   F0   22.3     322.S FO SETT. TK 2   F0   24.2     323.P Service TK 1   F0   18.7     18.7   18.7   18.7     324.S Service TK 2   F0   19.8     410.C Overflow TK   F0   168.5     410.C Overflow TK   F0   168.5     410.C Overflow TK   F0   168.5     510.C FO Deep TK   F0   168.5     510.C FO Deep TK   F0   145.5     521.P MethORO TK   B0/0R0   101.9     422.P Base Oli/ORO TK   B0/0R0   101.9     425.P Brine/ORO TK   BR/0R0   209     426.S Brine/ORO TK   BR/0R0   209     425.P Brine/ORO TK   BR/0R0   209     425.P Brine/ORO TK   LM/0R0   146.3     325.P LM/ORO TK   LM/0R0   146.3     325.P LM/ORO TK   LM/0R0   116.0     326.S LM/ORO TK   LM/0R0   116.0     327.P LM/ORO TK   LM/0R0   116.0     328.5 LM/0RO TK   LM/0R0   116.0     314.P Dry Bulk TK   Dry Bulk   55.0		-													
322.5 PO SETT. TK 2   F0   24.2   24.2   16.7     323.9 Service TK 1   F0   18.7   18.6   18.7     324.5 Service TK 2   F0   19.8   19.8   19.8     410.C Overflow TK   F0   65.7   65.7   65.7     411.C FO Deep TK   F0   168.5   168.5   168.5     510.C FO Deep TK   F0   12.3   112.3   12.3     521.P Meth/ORO TK   METH/ORO   145.5   145.5   145.5     421.P Base Oli/ORO TK   BR/ORO   209   209.0   209.0     225.P LM/ORO TK   BR/ORO   209   146.3   145.5     226.S Brine/ORO TK   BR/ORO   209   146.3   145.5     225.P LM/ORO TK   LM/ORO   146.3   145.5   145.5     225.P LM/ORO TK   LM/ORO   146.3   145.5   146.3     225.P LM/ORO TK   LM/ORO   146.3   146.3   146.3     232.P LM/ORO TK   LM/ORO   146.3   146.3   146.3     232.P LM/ORO TK   LM/ORO   146.3   146.0   146.3     232.P L		-													
232.P Service TK 1   F0   18.7   18.7   19.8     324.S Service TK 2   F0   19.8   19.8   19.8     310.C Overflow TK   F0   65.7   168.5   168.5     410.C Overflow TK   F0   188.5   168.5   168.5     410.C Overflow TK   F0   188.5   168.5   168.5     510.C FO Deep TK   F0   112.3   112.3   112.3     52.1 P Meth/ORD Tk   BO/RRO   101.9   11.9   145.5     425.P Brine/ORO TK   BR/ORO   209   146.3   145.5     522.S Spec. Prod./ORO   SP/ORO   146.3   119.5   119.5     522.S Spec. Prod./ORO   SP/ORO   146.3   119.5   119.5     522.S Spec. Prod./ORO   SP/ORO   116.0   116.0   116.0   116.0     326.S L/M/ORO TK   L/M/ORO   116.0   116.0   116.0   116.0   116.0     328.S L/M/ORO TK   L/M/ORO   116.0   116.0   116.0   116.0   116.0     330.S L/M/ORO TK   L/M/ORO   116.0   116.0   116.0   116.0   116.0 <td></td> <td></td> <td>-</td> <td></td>			-												
324.5 Service TK 2   F0   19.8   19.8   65.7     410.C Overflow TK   F0   66.7   168.5   168.5     412.C FO Deep TK   F0   168.5   168.5     510.C FO Deep TK   F0   112.3   112.3     521.P Meth/ORO TK   BO/ORO   101.9   101.9     521.P Base Oli/ORO TK   BO/ORO   101.9   101.9     425.P Brain-O/ORO TK   BR/ORO   209   209.0     226.S Brine/ORO TK   BR/ORO   209   146.3     2325.P LM/ORO TK   LM/ORO   119.5   145.5     326.S LM/ORO TK   LM/ORO   116.0   145.5     326.S LM/ORO TK   LM/ORO   116.0   146.3     328.S LM/ORO TK   LM/ORO   116.0   118.5     312.S Dry Bulk TK   Dry Bulk   55   55.0     313.P Dry Bulk TK   Dry Bulk   55   55.0     314.S Dry Bulk TK   Dr		-													
440.C Overflow TK   FO   65.7   65.7   160.5     141.C FO Deep TK   FO   168.5   168.5   168.5     21.P Meth/ORO TK   FO   123.3   112.3   112.3     22.P Base Oil/ORO TK   BO/ORO   101.9   101.9   101.9   101.9     22.S Spec.rodu/ORO TK   BO/ORO   146.3   1145.5   1145.5   1145.5     22.S Spec.rodu/ORO TK   BO/ORO   146.3   1145.5   1145.5   1145.5     22.S Spec.rodu/ORO TK   BN/ORO   129.5   1145.5   1145.5   1145.5   1145.5     22.S Spec.rodu/ORO TK   LM/ORO   1145.5   1145.5   1145.5   1145.5   1145.5   1145.5   1145.5   1145.5   1145.5   1145.5   1145.5   1145.5   1145.5   1145.5   1145.5   1145.5   1145.5   1145.5   1145.5   1145.5   1145.5   1145.5   1145.5   1145.5   1145.5   1145.5   1145.5   1145.5   1145.5   1145.5   1145.5   1145.5   1145.5   1145.5   1145.5   1145.5   1145.5   1145.5   1145.5   1145.5   114															
4411.C FO Deep TK   FO   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   168.5   169.5   169.5   169.5															
442.C FO Deep TK   FO   168.5   168.5   168.5     510.C FO Deep TK   FO   297.1   297.1   297.1     521.P Meth/ORO TK   B0/ORO   145.5   112.3   112.3     521.P Meth/ORO TK   B0/ORO   101.9   101.9   12.3     422.P Base Oil/ORO TK   B0/ORO   101.9   101.9   101.9     425.S Brine/ORO TK   B0/ORO   146.3   209.0   209.0   209.0     522.S Spec. Prod./ORO   SP/ORO   146.3   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   119.5   116.0   116.0<		-													
SHO.C FO Deep TK   FO   297.1   297.1     B3.C FO Deep TK   FO   112.3   112.3     B3.C FO Deep TK   FO   112.3   112.3     B3.C FO Deep TK   FO   112.3   112.3     B3.C FO Deep TK   BO/ORO   145.5   I     S21.P Meth/ORO TK   BO/ORO   101.9   101.9   I     V42.P Base Oil/ORO TK   BR/ORO   209   I   I     V42.S.P Brine/ORO TK   BR/ORO   209   I   I     S25.P L/M/ORO TK   LM/ORO   119.5   I   I     S25.P L/M/ORO TK   LM/ORO   119.5   I   I     S25.P L/M/ORO TK   LM/ORO   116.0   I   I     S28.S L//ORO TK   LM/ORO   116.0   I   I     S28.S L//ORO TK   LM/ORO   116.0   I   I   I     S28.S L//ORO TK   LM/ORO   116.0   I   I   I   I   I     S28.S L//ORO TK   LM/ORO   116.0   I   I   I   I   I   I   I     S28.S L//ORO TK		-													
B33.C FO Deep TK   FO   112.3   112.3     S21.P Meth/ORO Tk   METH/ORO 145.5   145.5   145.5     S21.P Meth/ORO Tk   BO/ORO 101.9   101.9   145.5     V42.P Base Oil/ORO TK   BO/ORO 101.9   101.9   101.9     V42.P Base Oil/ORO TK   BR/ORO 209   0   0     S25.P Brine/ORO TK   BR/ORO 209   0   0     S26.S L/MORO TK   LM/ORO 119.5   0   0     S26.S L/MORO TK   LM/ORO 119.5   0   0     S27.P LM/ORO TK   LM/ORO 116.0   0   0     S28.S L/M/ORO TK   LM/ORO 116.0   0   0   0     S28.S L/M/ORO TK   LM/ORO 116.0   0   0   0   0     S30.S L/M/ORO TK   LM/ORO 116.0   0   0   0   0   0     S11.P Dry Bulk TK   Dry Bulk 55   55.0   55.0   0   0   0   0     S12.S Dry Bulk TK   Dry Bulk 55   55.0   0   0   0   0   0   0   0     S13.P Dry Bulk TK   Dry Bulk 55   55.0   0   0   0	-	-													
521.P Meth/ORO Tk   METH/ORO   145.5   145.5     421.P Base Oil/ORO Tk   B0/ORO   101.9   101.9     422.P Base Oil/ORO TK   B0/ORO   209   209     425.S perine/ORO TK   BR/ORO   209   209.0   209.0     426.S Brine/ORO TK   BR/ORO   209   209.0   146.3   145.5     325.P LM/ORO TK   LM/ORO   119.5   119.5   119.5   119.5   119.5     326.S LM/ORO TK   LM/ORO   119.5   119.5   119.5   119.5   1115.5   119.5   119.5   1115.5   119.5   1115.5   119.5   1115.5   1115.5   1115.5   1115.5   1115.5   1115.5   1115.5   1115.5   1115.5   1115.5   1115.5   1115.5   1115.5   1115.5   1115.5   1115.5   1115.5   1115.5   1115.5   1115.5   1115.5   1115.5   1115.5   1115.5   1115.5   1115.5   1115.5   1115.5   1115.5   1115.5   1115.5   1115.5   1115.5   1115.5   1115.5   1115.5   1115.5   1115.5   1115.5   1115.5   1115.5   1															
421.P Base Oil/ORO Tk   B0/ORO   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101	· · ·				112.3										
422.P Base Oil/ORO TK   B0/ORO   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101.9   101				1010								145.5			
425.P Brine/ORO TK   BR/ORO   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   209   20															
426.S Brine/ORO TK   BR/ORO   209   209   209   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3   146.3				101.9											
522.3 Spec. Prod./ORO   SP/ORO   146.3   Image: Special content of the special content of															
325.P LM/ORO TK   LM/ORO   119.5   119.5   119.5   119.5     326.S LM/ORO TK   LM/ORO   119.5   119.5   119.5   119.5   119.5     327.P LM/ORO TK   LM/ORO   116.0   116.0   116.0   116.0   116.0     328.S LM/ORO TK   LM/ORO   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116.0   116										209.0					
326.3 LM/ORO TK   LM/ORO   119.5   Image: constraint of the second secon	•											146.3			
327.P LM/ORO TK   LM/ORO   116.0   Image: constraint of the constrai	325.P LM/ORO TK														
328.5 LM/ORO TK   LM/ORO   116.0   Image: constraint of the constrai															
3329.P LM/ORO TK   LM/ORO   116.0   Image: constraint of the constrelevel of the constraint of the constraint of the const															
3330.S LM/ORO TK   LM/ORO   116.0   Image: constraint of the state of the stat															
311.P Dry Bulk TK   Dry Bulk   55   55.0     312.S Dry Bulk TK   Dry Bulk   55   55.0     313.P Dry Bulk TK   Dry Bulk   55   55.0     314.S Dry Bulk TK   Dry Bulk   55   55.0     314.S Dry Bulk TK   Dry Bulk   55   55.0     315.P Dry Bulk TK   Dry Bulk   55   55.0     316.S Dry Bulk TK   Dry Bulk   55   55.0     317.P Dry Bulk TK   Dry Bulk   55   55.0     318.S Dry Bulk TK   Dry Bulk   55   55.0     318.S Dry Bulk TK   Dry Bulk   55   55.0     318.S Dry Bulk TK   Dry Bulk   55   55.0     211.S LO TK 1   LO   3.0   6   6   6.7     213.S LO TK 2   LO   6.7   6   6   11.2     214.S LO TK 4   LO   12.7   6   6   11.2     215.P LO TK on A-DK   LO   12.7   6   6   13.3     Total Volume [m <sup>3</sup> ]   203.8   901.6   440.0   2,470.3   380.7   626.5   418.0   703.0															
312.S Dry Bulk TK   Dry Bulk   55   55.0     313.P Dry Bulk TK   Dry Bulk   55   55.0     314.S Dry Bulk TK   Dry Bulk   55   55.0     314.S Dry Bulk TK   Dry Bulk   55   55.0     315.P Dry Bulk TK   Dry Bulk   55   55.0     316.S Dry Bulk TK   Dry Bulk   55   55.0     317.P Dry Bulk TK   Dry Bulk   55   55.0     318.S Dry Bulk TK   Dry Bulk   55   55.0     211.S LO TK 1   LO   3.0   6.7     212.S LO TK 2   LO   6.7   6.7     213.S LO TK 3   LO   11.2   11.2     214.S LO TK 4   LO   12.7   11.2     215.P LO TK on A-DK   LO   1.3   0   0     Total Volume [m <sup>3</sup> ]   203.8   901.6   440.0   2,470.3   380.7   626.5   418.0   703.0   291.8   34.9   0.0   0.0	330.S LM/ORO TK										116.0				
313.P Dry Bulk TK   Dry Bulk   55   55.0     314.S Dry Bulk TK   Dry Bulk   55   55.0     315.P Dry Bulk TK   Dry Bulk   55   55.0     316.S Dry Bulk TK   Dry Bulk   55   55.0     317.P Dry Bulk TK   Dry Bulk   55   55.0     318.S Dry Bulk TK   Dry Bulk   55   55.0     211.S LO TK 1   LO   3.0   6.7     212.S LO TK 2   LO   6.7   6.7     213.S LO TK 3   LO   11.2   6.7     214.S LO TK 4   LO   12.7   6.7     215.P LO TK on A-DK   LO   1.3   6.7     Total Volume [m <sup>3</sup> ]   203.8   901.6   440.0   2,470.3   380.7   626.5   418.0   703.0   291.8   34.9   0.0   0.0	311.P Dry Bulk TK														
314.S Dry Bulk TK   Dry Bulk   55   55.0     315.P Dry Bulk TK   Dry Bulk   55   55.0     316.S Dry Bulk TK   Dry Bulk   55   55.0     317.P Dry Bulk TK   Dry Bulk   55   55.0     318.S Dry Bulk TK   Dry Bulk   55   55.0     211.S LO TK 1   LO   3.0   6.7     212.S LO TK 2   LO   6.7   6.7     213.S LO TK 3   LO   11.2   6.7     214.S LO TK 4   LO   12.7   6.7     215.P LO TK on A-DK   LO   1.3   6.7     Total Volume [m <sup>3</sup> ]   203.8   901.6   440.0   2,470.3   380.7   626.5   418.0   703.0   291.8   34.9   0.0   0.0	312.S Dry Bulk TK														
315.P Dry Bulk TK   Dry Bulk   55   55.0     316.S Dry Bulk TK   Dry Bulk   55   55.0     317.P Dry Bulk TK   Dry Bulk   55   55.0     318.S Dry Bulk TK   Dry Bulk   55   55.0     211.S LO TK 1   LO   3.0   6.7     212.S LO TK 2   LO   6.7   6.7     213.S LO TK 3   LO   11.2   6.7     214.S LO TK 4   LO   12.7     214.S LO TK on A-DK   LO   1.3     Total Volume [m³]   203.8   901.6   440.0   2,470.3   380.7   626.5   418.0   703.0   291.8   34.9   0.0   0.0	313.P Dry Bulk TK	-													
316.S Dry Bulk TK   Dry Bulk   55   55.0     317.P Dry Bulk TK   Dry Bulk   55   55.0     318.S Dry Bulk TK   Dry Bulk   55   55.0     211.S LO TK 1   LO   3.0   6.7     212.S LO TK 2   LO   6.7   6.7     213.S LO TK 3   LO   11.2   11.2     214.S LO TK 4   LO   12.7   11.2     214.S LO TK 0A-DK   LO   1.3   11.3     Total Volume [m <sup>3</sup> ]   203.8   901.6   440.0   2,470.3   380.7   626.5   418.0   703.0   291.8   34.9   0.0   0.0	314.S Dry Bulk TK														
317.P Dry Bulk TK   Dry Bulk   55   55.0     318.S Dry Bulk TK   Dry Bulk   55   55.0     211.S LO TK 1   LO   3.0   4     212.S LO TK 2   LO   6.7   5     213.S LO TK 3   LO   11.2   5   5     214.S LO TK 4   LO   12.7   5   5     215.P LO TK on A-DK   LO   1.3   5   5     Total Volume [m <sup>3</sup> ]   203.8   901.6   440.0   2,470.3   380.7   626.5   418.0   703.0   291.8   34.9   0.0   0.0	315.P Dry Bulk TK	Dry Bulk													
318.S Dry Bulk TK   Dry Bulk   55   55.0     211.S LO TK 1   LO   3.0   Image: stress of the stress o	316.S Dry Bulk TK	Dry Bulk													
211.S LO TK 1   LO   3.0	317.P Dry Bulk TK														
212.S LO TK 2   LO   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7   6.7	318.S Dry Bulk TK	Dry Bulk	55			55.0									
213.S LO TK 3   LO   11.2   Image: constraint of the second secon	211.S LO TK 1	LO	3.0										3.0		
214.S LO TK 4   LO   12.7   Image: Constraint of the second secon	212.S LO TK 2	LO	6.7										6.7		
215.P LO TK on A-DK LO 1.3	213.S LO TK 3	LO	11.2										11.2		
Total Volume [m <sup>3</sup> ] 203.8 901.6 440.0 2,470.3 380.7 626.5 418.0 703.0 291.8 34.9 0.0 0.0	214.S LO TK 4	LO	12.7										12.7		
	215.P LO TK on A-DK	LO	1.3										1.3		
Spec Sheet Total Volume [m <sup>3</sup> ] 203.8 797.4 440.0 2,470.3 380.7 574.3 418.0 703.0 291.8 34.9 0.0 0.0										418.0	703.0	291.8	34.9	0.0	0.0
	Spec Sh	eet Total Vol	ume [m <sup>3</sup> ]	203.8	797.4	440.0	2,470.3	380.7	574.3	418.0	703.0	291.8	34.9	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.

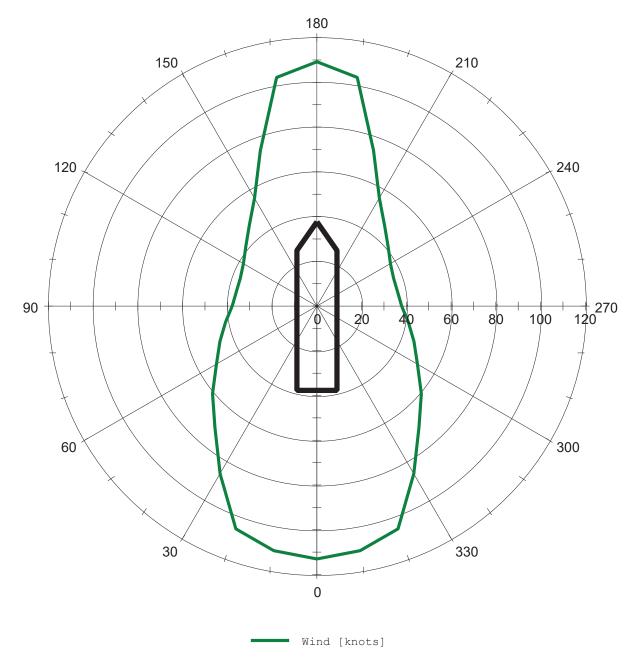
\*Capacities shown in GREEN are counted for multiple Tank Capacities.

NOTICE: The da

## **TROMS CASTOR** DP Capability Plot



Ship: 3748 VS485 PSV Run: All thrusters



Environment: Wind Rotating 360 deg Wind Generated Current Rotating 360 deg Waves Rotating 360 deg

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