



Vessel Characteristics

Length, Overall:	279 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:	10.5 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:	200 x 55 ft	59.9 x 16.8 m
Clear Deck Area:	10,700 ft <sup>2</sup>	1000 m <sup>2</sup>
Deck Strength:	2,070 lb/ft <sup>2</sup>	10 t/m <sup>2</sup>
Class Notations: DNV: +1A1, ICE-C, OILREC, SF, LFL*, COMF-V(3)C(3), HL(2.8),EO, DYNPOS-AUTR, NAUT-OSV(A), CLEAN DESIGN, DK(+),NOFO 2005		

# TIDEWATER<sup>®</sup>

## TROMS CASTOR

### VS-485 CD PLATFORM SUPPLY VESSEL

# TIDEWATER TROMS CASTOR

## 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 ft <sup>3</sup>	440 m <sup>3</sup>
Liquid Mud (24 lbs/gal):	4,420 bbl	700 m <sup>3</sup>
Base Oil	1,280 bbl	200 m <sup>3</sup>
Methanol:	1,830 bbl	290 m <sup>3</sup>

## Machinery

Diesel Electric Vessel			
Propulsive/Total HP:	6,170 / 9,790		
Z-Drives:	Yes		
Propellers (2):	Steerprop 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 MGRC		
Bow Thruster (3):	2 X BRUNVOLL 1000KW TUNNEL; 1 X BRUNVOLL 800KW DROPDOWN		
Total Thrust:	46.5 st	42.7 mt	

## Deck Equip.

Anchors (2):	3540KG
Anchor Chain:	260 m of 45.7 mm chain per side
Crane:	3 t @ 11.6 m
Capstans (2):	8 t NMD
Tugger (2):	15 t

## Accommodations

Nº of Berths:	23
1-man cabins:	11
2-man cabins:	6
Certified to Carry:	23
Hospital:	Yes

## Performance

(Approximate values assuming Ideal Conditions)		
<i>Fuel Consumption Vs Speed</i>		
Maximum:	24 m <sup>3</sup> /day (260 gph) @ 15 knots	
Cruising:	16 m <sup>3</sup> /day (170 gph) @ 12 knots	
Economical:	12 m <sup>3</sup> /day (130 gph) @ 11 knots	
Standby:	3.6 m <sup>3</sup> /day (40 gph) @ 0 knots	
Range @ 11 Knots:	18,000 nm	
<i>Transfer Rates</i>		
Fuel Oil:	660 gpm @ 300 ft	150 m <sup>3</sup> /h @ 92 m
Potable Water:	660 gpm @ 300 ft	150 m <sup>3</sup> /h @ 92 m
Fresh Water:	660 gpm @ 300 ft	150 m <sup>3</sup> /h @ 92 m
Drill/Ballast Water:	660 gpm @ 300 ft	150 m <sup>3</sup> /h @ 92 m
Bulk:	32.4 cfm @ 220 ft	55 m <sup>3</sup> /h @ 66 m
Liquid Mud:	440 gpm @ 800 ft	100 m <sup>3</sup> /h @ 240 m
Base Oil:	440 gpm @ 300ft	100 m <sup>3</sup> /h @ 92 m
Brine:	660 gpm @ 300 ft	150 m <sup>3</sup> /h @ 92 m
Methanol:	330 gpm @ 240 ft	75 m <sup>3</sup> /h @ 73 m

## Special Equip. Nav/Comms Equip.

Radar(s):	2
Depth Sounder:	1
Gyro Compass:	3
Radio:	4 x VHF
Dynamic Positioning: Kongsberg DPS-2	
Ref. Systems:	2 x MRU; 2 x DGPS 1 x Laser-based; 1 x Radar-based
Mud Mixers:	Yes
Tank Cleaning:	Yes
Rescue Boat:	1xALUSAFE 700 FRC MKII TWIN

## Registration

Flag:	NORWAY	
IMO Nº:	9422213	
Year Built:	2009	
Builder:	HELLESØY VERFT	
Call Sign:	LALC	
Tonnage (ITC):	4366 GT	1813 NT

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. Fuel consumption figures are historically conservative approximations.