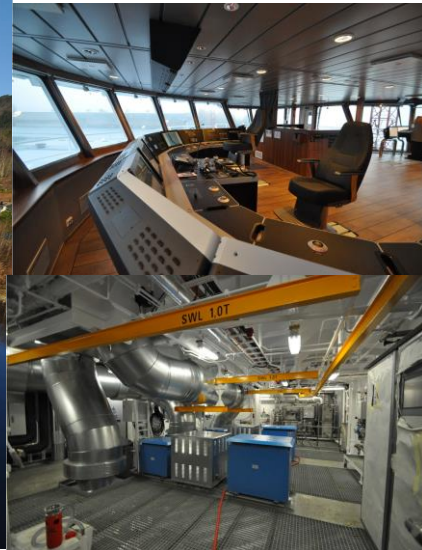


# M.V. NORTH BARENTS – ST216 ARCTIC PSV

ICE 1B, Winterised, STBY RESCUE (NMD300), SPS, NOFO2009, Clean Design,  
Polar Code



### Owner / Manager

Tidewater Rederi AS /  
Tidewater Marine AS

### Built

Simek, Norway, January 2017

### Classification

DNV +1A1, Battery(Power), SF, E0,  
DK(+), DynPos AutR, HL (2.8), L.F.L.  
Clean Design, Naut OSV(A) Comfort (V-  
3 C-2), SPS, Oil Rec NOFO 2009, Stby  
Rescue (NMD300) ICE-B, WINTERIZED  
BASIC, Polar Code

### Flag / Registry

Norwegian / Sandnes

### Dimensions

LOA	92.6 m
Breadth (moulded)	19.2 m
Depth (mould to sh.dk)	8.5 m
Draft (max)	6.95 m
GRT	4.513 T
NRT	1.645 T
Dead-weight	5.000 T
Light ship	1.877T
Deck area 16,2 m x 65	1.053 m <sup>2</sup>
Deck Load	2.200 T
Deck Strength	10 t/m <sup>2</sup>

T-Bar strength DnV-GL Certified for  
heavy load sea fastening.

### Machinery

Diesel Electric	WÄRTSILÄ
Generating Power	11.465 BHP
Propulsive BHP	7.072 BHP
Main Generators	3 x 2.810 ekW
Aux Generator	1 x Scania 550 kW
Emergency Gen	1 x Sisu 118kW
Battery:	1 x battery pack
Shore Power:	2 x 350A
Bow Thrusters:	
Tunnel	2 x1100 kW
Retractable	1 x 880kW
Stern Propellers	2 x Steerprop 35 CRP @ 2600 kW
Deck Crane	2 x 3T @ 15m
Tugger Winch	2 x 15T

### Environmental

Catalyzer (SCR) system for reduced NOx  
emissions.  
Clean Design - Double Hull with no  
hydrocarbon products on outer hull.  
Ballast water treatment system.

### Cargo Capacity Total (dedicated)

Fuel oil	1,172m <sup>3</sup> @100%
Potable Water	1,097m <sup>3</sup> @100%
Drill Water	1,820m <sup>3</sup> @100%
Oil Based Mud	1,203m <sup>3</sup> @100% (800m <sup>3</sup> )
Brine	1,203m <sup>3</sup> @100% (340m <sup>3</sup> )
Base Oil	535m <sup>3</sup> @100% (100m <sup>3</sup> )
Methanol/	
Special Products	330m <sup>3</sup> @100%
Dry Bulk(Cement)	365m <sup>3</sup> @100% 6 tanks
Oil Recovery	1,963m <sup>3</sup> (NOFO2009-1.9)
Slop	175m <sup>3</sup> @100%
Urea	60m <sup>3</sup> @100%

See capacity plan next side.

### Navigation and Communication

#### Equipment according to GMDSS A4

Kongsberg K-Bridge integrated.  
Oil- and Ice -radar  
Manual Override of autopilot  
DGPS: 2xSIMRAD MX512 Com  
Ship Security Alert System

GSM and IP-telephone GIS  
Satellite telephone  
Internet GIS sat sys, NMT and GSM.

### Speed / Consumption

11 knots @ Approx. 12.5 m<sup>3</sup> / day  
12.5 knots @ Approx. 14 m<sup>3</sup> / day  
16.5 knots @ Approx. 27 m<sup>3</sup> / day

### DP2 System

Kongsberg DP 22  
References 1 x Cyscan, 1 x Radius,  
2 x DGPS (DPS122 + DPS200)  
ERN 99.99.99.99

### Accommodation

40 persons      14 x 1 Man cabins  
13 x 2 Man cabins

### Discharge Rates

Fuel Oil	250 m <sup>3</sup> /hr @ 9 bar
Pot Water	250 m <sup>3</sup> /hr @ 9 bar
Oil Based Mud	2 x 0-100m <sup>3</sup> /hr @ 24 bar
Base oil	75 m <sup>3</sup> /hr @ 9 bar
Brine	2 x 0-100m <sup>3</sup> /hr @ 24 bar
Bentonite	60 T/hr @ 9 bar
Barytes	60 T/hr @ 9 bar
*Methanol	
/Special Products	4 x 75 m <sup>3</sup> /hr @ 9 bar

Vessel has no N2 Generator and will  
require IG bottle rack

Drill Water	0 - 250 m <sup>3</sup> /hr @ 9 bar
Cement	80 T/hr @ 9 bar

## TIDEWATER MARINE AS



Strandgata 5, N-4307 Sandnes, Norway      +47 51 60 90 00

Bankers: DNB Bank ASA, Account No: 5343 05 25014, IBAN: NO95 5343 0525 014, SWIFT: DNBANOKK. Registration NO: 930 395 404 MVA  
TDW.COM

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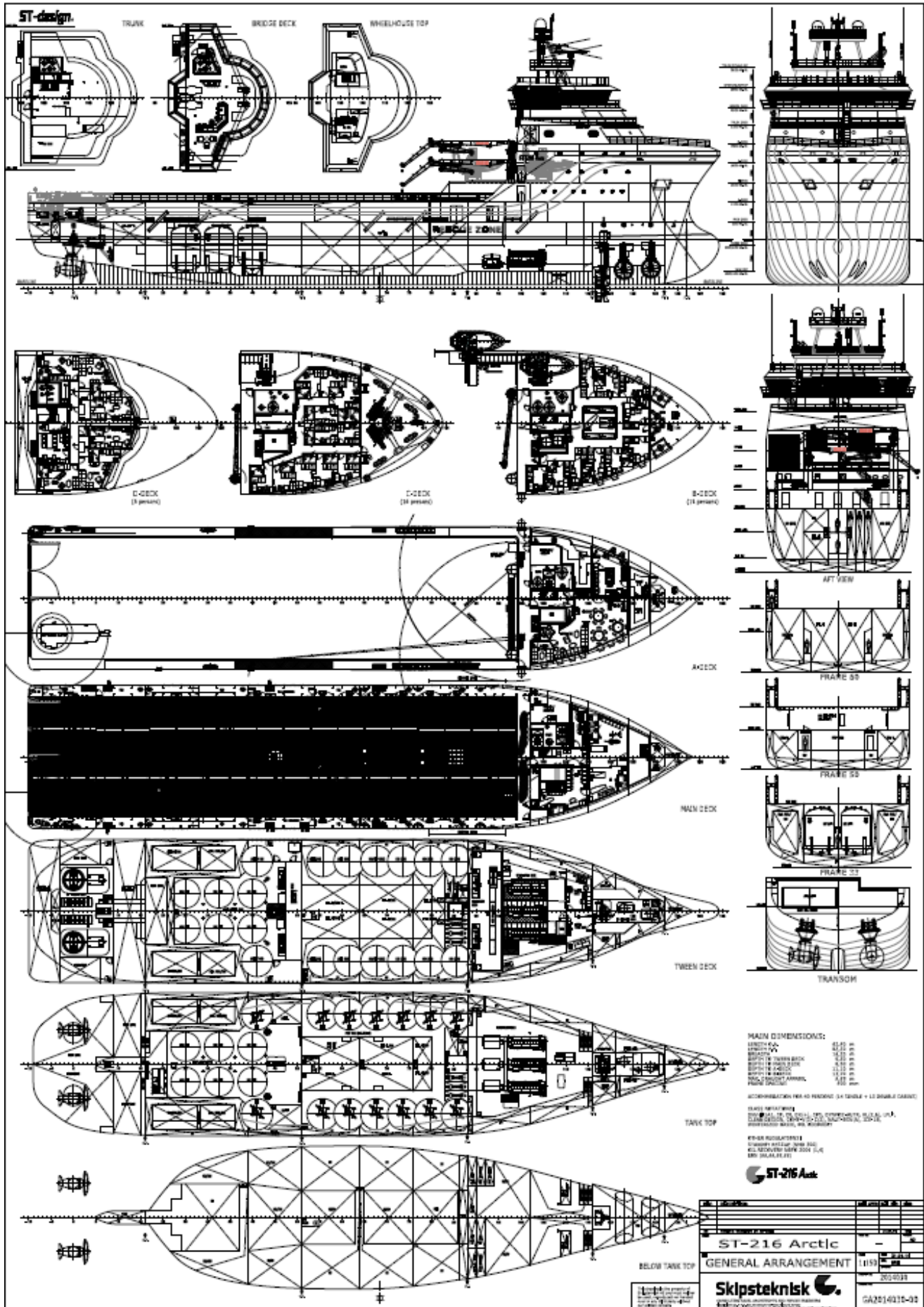
**CARGO CAPACITIES (100% CAPACITIES)**

TANK	M3				M3		
	FUEL OIL	FRESH WATER	METHANOL	DRILL WATER	OIL BASED MUD	BRINE	BASE OIL
FUEL (12)	2x 97,46 2x 209,79 224,59 212,18 29,12 22,6 24,88 18,38 24,21 1,27						
FRESH WATER (13)		2 x 120,29 2 x 62,98 84,67 97,43 67,87 50,50 140,92 143,6 50,22 44,99 50,55					
METHANOL(4)			2x83,81 2x81,21				
DRILL WATER (6+11)				2 x 113,50 109,83 115,8 116,75 118,64 <b>144,05</b> <b>68,77</b> <b>65,23</b> <b>101,62</b> <b>58,12</b> <b>60,01</b> <b>71,88</b> <b>2x 69,56</b> <b>246,23</b> <b>178,63</b>			
OBM (10+4)					2x72,06 2 x 83,89 2x 87,68 2x 88,46 2x 88,49 <b>2x 88,49</b> <b>92,63</b> <b>92,62</b>		
BRINE (4+10)						2x 88,49 92,63 92,62 <b>2x72,06</b> <b>2 x 83,89</b> <b>2x 87,68</b> <b>2x 88,46</b> <b>2x 88,49</b>	
BASE OIL (2+2)							2x49,27 <b>224,59</b> <b>212,18</b>
<b>TOTAL/ total combined</b>	1171,73	1097,29	330	687,32/ <b>1820,98</b>	841,16/ <b>1203,39</b>	362,23/ <b>1203,39</b>	98,54/ <b>535,31</b>

**Black** denotes primary function, **Red** denotes secondary / tertiary function

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These particulars should be taken as indicative and do not constitute a warranty (April 2018)