

# M.V. NORTH CRUYS

## ST-216 ARCTIC - PLATFORM SUPPLY VESSEL



### REGISTRATION

Owner	GulfMark Rederi AS
Manager	Gulf Offshore Norge AS
Built	Simek, Norway, 2014
Classification	DNV +1A1, SF, E0, DK(+), DynPos AutR, HL (2.8), L.F.L. Clean Design, Naut OSV(A) Comfort V2 C2, SPS, Oil Rec NOFO 2009, Stby Rescue (NMD300)
Flag	ICE-B, WINTERIZED BASIC Norwegian

### DIMENSIONS

LOA	92.60 m
Breadth (moulded)	19.20 m
Depth to main deck	8.50 m
Draft (max)	6.95 m
GRT	4.513 T
NRT	1.645 T
Deadweight	5.000 T
Light ship	1.877T

### CARGO DECK

Deck Area	1053 m <sup>2</sup>
Deck length	65.00 m
Deck breadth (net)	16.20 m
Deck strength	10 t/m <sup>2</sup>

### TANK CAPACITIES

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

All mud and brine tanks are fitted with agitators.

All mud, brine and methanol/special product tanks are fitted with hot water washing system.

### 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 - 100 m <sup>3</sup> /hr @ 24 bar
Bentonite	60 T/hr @ 9 bar
Barytes	60 T/hr @ 9 bar
Methanol	4 x 75 m <sup>3</sup> /hr @ 9 bar
Drill Water	0 - 250 m <sup>3</sup> /hr @ 9 bar
Cement	80 T/hr @ 9 bar

### 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

### 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
Bow Thrusters	2 x 1100 kW
Tunnel	1 x 880kW
Retractable	2 x Steerprop
Stern Propellers	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.

### NAVIGATION / COMMUNICATIONS

Equipment according to GMDSS regulations, Area 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.

### DP2 SYSTEM

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

### ACCOMMODATION

40 persons	14 x 1 Man cabins 13 x 2 Man cabins
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## TANK CAPACITIES

TANK	CUBIC METRES				CUBIC METRES		
	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)			2 x 83,81 2 x 81,26				
DRILL WATER (6+11)				2 x 113,50 109,83 115,8 116,75 118,64 144,05 68,77 65,23 101,62 58,12 60,01 71,88 2x 69,56 246,23 178,63			
OBM (10+4)					2x 72,06 2x 83,89 2x 87,68 2x 88,46 2x 88,49 2x 88,49 92,63 92,62		
BRINE (4+10)						2x 88,49 92,63 92,62 2x 72,06 2x 83,89 2x 87,68 2x 88,46 2x 88,49	
BASE OIL (2+2)							2x 49,27 224,59 212,18
<b>TOTAL /TOTAL COMBINED</b>	<b>1171,73</b>	<b>1097,29</b>	<b>330</b>	<b>687,32 / 1820,98</b>	<b>841,16 / 1203,39</b>	<b>362,23 / 1203,39</b>	<b>98,54 / 535,31</b>

Dark Blue denotes primary function, Light Blue denotes secondary / tertiary function

