

# M.V. NORTH PURPOSE – STX 09 CD PSV

DP 2, Diesel Electric, Clean Design - Large Platform Supply Vessel



## Owner / Operator

GulfMark Rederi AS /  
Gulf Offshore Norge AS

## Built

Søviknes, Norway, February 2010

## Classification

DNV +1A1, SF, E0, DynPos AutR, Dk+  
HL (2.8), L.F.L., Clean Design, Naut  
OSV(A) Comfort V3 COAT-PPSPC(B)

## Flag / Registry

Norwegian / Sandnes

## Dimensions

LOA	86.8 m
Breadth (moulded)	19 m
Depth (mould to sh.dk)	8 m
Draft (max)	5.9 m
GRT	3,639 T
NRT	1,187 T
Dead-weight	4,836 T
Light ship	2,726 T

## Speed / Consumption

11 knots @ Approx. 11 m<sup>3</sup> / day  
12.5 knots @ Approx. 13 m<sup>3</sup> / day  
16.5 knots @ Approx. 27 m<sup>3</sup> / day

## Manoeuvring Equipment

2 x Rotating variable speed Stern Azi  
pull propulsion units (Diesel electric)  
1 x Kongsberg C-Joy Joystick  
Kongsberg Simrad DP2

## Machinery

Diesel Electric  
Generating Power 10,738 BHP  
Propulsive BHP 5,867 BHP  
Main Generators 4 x CAT 1901 KW  
Aux Generator 1 x CAT 450 KW  
Emergency Gen 1 x CAT 104 KW  
Thrusters Bow 2 x 1200 BHP (Tunnel)  
Thrusters Stern N/A – D.E. (Azi pulls)  
Rudders N/A – D.E. (Azi pulls)  
Propellers 2 x CPP Azi pull  
Capstans 2 x 10 T  
Deck Crane 1 x 5T @ 10m  
Deck Crane 1 x 1T @ 10m  
Tugger Winch 2 x 10T

## DP System (DP2)

Kongsberg Simrad K-Pos 21 DP System  
References 1 x Fan beam laser  
2 x DGPS receiver

## Tank Washing System

Fixed tank washing system in all mud tanks  
Alfa Laval Aldec Decanter  
360 deg tank washing machines  
Dedicated 24 m<sup>3</sup> slop tank  
Hot / Cold wash with / without chemicals

## Environmental

Selective Catalytic Reduction (SCR) system  
for reduced NOX / SOX emissions.  
Clean Design - Double Hull with no  
hydrocarbon products on outer shell.

## Navigation and Communication Equipment

1 x Furuno 10cm ARPA RADAR  
1 x Furuno 3cm RADAR  
1 x Furuno Satellite Navigator GP 90  
1 x Furuno DGPS/GP-90 inbuilt Navigator  
2 x Jotron 9GHz Radar transponder  
3 x Simrad GC80 gyro compass  
1 x Simrad autopilot  
1 x Furuno echo sounder FE-700  
1 x Furuno Doppler speed log DS80  
1 x Furuno FA150 AIS system  
1 x Telchart Electronic Chart system & AIS  
interface  
1 x Anschutz universal signal unit  
1 x Jotron EPIRB  
3 x TRON TR20 GMDSS VHF's  
4 x Motorola GP 340 portable UHF  
2 x Furuno fixed GM360 UHF radios  
1 x Furuno MF/HF SSB Radio station  
1 x Furuno DSC terminal DSC 60  
2 x Furuno VHF with built in DSC  
1 x Furuno FM 2721 simplex VHF  
1 x Furuno Navtex receiver NX-700B  
1 x Furuno Weather Fax  
1 x Furuno Ships Security Alert System  
1 x GSM/GPRS Cellular phone  
2 x Inmarsat C Felcom 15  
1 x Sailor Mini M  
1 x Caprock KU Band Sat Comms system

## Accommodation

26 persons 10 x 1 Man cabins  
8 x 2 Man cabins

## Gulf Offshore Norge AS

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**Cargo Capacity**

Deck area	1,000 sq. m (16 m x 62.5 m)
Deck Load	2,700 T
Fuel oil	1,038 m <sup>3</sup> @ 100%
Potable Water	1,175 m <sup>3</sup> @ 100%
Drill Water	4,225 m <sup>3</sup> @ 100%
Oil Based Mud	6,048 bbls @ 100%
Base Oil	1,397 bbls @ 100% + 1,053 bbls @ 100% in methanol tanks
Brine	9,160 bbls @ 100%
Methanol / Xylene	167 cm @ 100%
Dry Bulk	9,351 cuft in 6 tanks

**Discharge Rates**

Fuel Oil	250 m <sup>3</sup> /hr @ 90 m hd
Pot Water	250 m <sup>3</sup> /hr @ 90 m hd
Oil Based Mud	150 m <sup>3</sup> /hr @ 90 m hd
Base oil	100 m <sup>3</sup> /hr @ 90 m hd
Brine	150 m <sup>3</sup> /hr @ 90 m hd
Cement	80 T/hr @ 90 m hd
Barytes	60 T/hr @ 90 m hd
Bentonite	100 T/hr @ 90 m hd
Methanol	2 x 75 m <sup>3</sup> /hr @ 90 m hd
Drill Water	150 m <sup>3</sup> /hr @ 90 m hd

**CARGO CAPACITIES (100% CAPACITIES)**

TANK	M <sup>3</sup>				BARRELS		
	FUEL OIL	FRESH WATER	METHANOL	DRILL WATER	OIL BASED MUD	BRINE	BASE OIL
FUEL (12)	218.6 142.5 100.1 181.3 62.7 43.3 120.8 126.1 18.8 / 13.2 8.5 + 2						
FRESH WATER (12)		2 x 40.7 2 x 62.5 2 x 70.4 2 x 53.1 113.8 122.5 287.9 197.3					
METHANOL(2)			2 x 83.5				
DRILL WATER (17+10)				2 x 113.8 2 x 122.5 2 x 287.9 2 x 197.3 101.3 105.1 116.1 143.3 51.2 2 x 205.7 201 196.8 6 x 130 102.1 / 103.8 291.8			
OBM (6+2)					6 x 817.5 2 x 563		
BRINE (2+3+6)						2 x 563 1 x 642 1 x 654 1 x 1,835 6 x 817.5	
BASE OIL (2+2)							760 793 2 x 526
<b>TOTAL</b>	1,038	1,175	167	4,225	6,048	9,160	1,553 + 1,052

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