

M.V. NORTH PURPOSE – STX 09 CD PSV

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



Owner / Operator

Tidewater Rederi 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-PSPC(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. 12 m³ / day
 12.5 knots @ Approx. 14 m³ / day
 16.5 knots @ Approx. 27 m³ / 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)
Bow azimuth	1 x 1200 BHP
Stern CCP AZI Pulls	2 x 2,200 KW
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

DP2 System

Kongsberg Simrad K-Pos 21 DP System	
References	1 x Fan beam laser
	2 x DGPS receiver
	1 x Radius 1000
ERN 99.99.99.99	

Tank Washing System

Fixed tank washing system in all mud tanks
 Alfa Laval Aldec Decanter
 360 deg tank washing machines
 Dedicated 24 m³ 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

Teidwater Rederi AS

Strandgata 5, 4307 Sandnes, Norway
 Tel: +47 51609000 Fax: +47 51609001
 E-mail: chartering.no@gulfmark.com

2009)

M.V. NORTH PURPOSE – STX 09 CD PSV

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



Cargo Capacity

Deck area	1,000 sq. m (16 m x 62.5 m)
Deck Load	2,700 T
Fuel oil	1,038 m3 @ 100%
Potable Water	1,175 m3 @ 100%
Drill Water	4,225 m3 @ 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 m3/hr @ 90 m hd
Pot Water	250 m3/hr @ 90 m hd
Oil Based Mud	150 m3/hr @ 90 m hd
Base oil	100 m3/hr @ 90 m hd
Brine	150 m3/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 m3/hr @ 90 m hd
Drill Water	150 m3/hr @ 90 m hd

TANK	M3				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
TOTAL	1,038	1,175	167	4,225	6,048	9,160	1,553 + 1,052

Black denotes primary function, Red denotes secondary / tertiary function

CARGO CAPACITIES (100% CAPACITIES)