



M.V. HIGHLAND PRINCE

STX 09 CD PSV DP-2 LARGE PLATFORM SUPPLY VESSEL

REGISTRATION

Built	2009
Builder	Soviknes, Norway
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	UK

MAIN CHARACTERISTICS

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	4,826 T
Light ship	2,755 T

PERFORMANCE

11 knots @ Approx. 11 m³ / day
 12.5 knots @ Approx. 13 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

ENVIRONMENTAL

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

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

DYNAMIC POSITIONING SYSTEM (CLASS II)

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

NAVIGATION & COMMUNICATION EQUIPMENT

1 x Furuno 10cm ARPA RADAR
 1 x Furuno 3cm RADAR
 2 x Furuno Satellite Navigator GP 90
 1 x Furuno DGPS/GP-90 inbuilt Navigator
 2 x Jotron 9GHz Radar transponder
 1 x Anschutz gyro compass
 1 x Anschutz digital autopilot - Pilotstar D
 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
 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 Nera Worldphone Mini M
 1 x KU Band Satellite Comms system

ACCOMMODATION

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

CARGO CAPACITY

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

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

DISCHARGE RATES

Fuel Oil	250 m ³ /hr	@ 90 m hd
Pot Water	250 m ³ /hr	@ 90 m hd
Oil Based Mud	2 x 75 m ³ /hr	@ 90 m hd
Base Oil	100 m ³ /hr	@ 90 m hd
Brine	2 x 80 m ³ /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 ³ /hr	@ 90 m hd
Drill Water	150 m ³ /hr	@ 90 m hd





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TANK CAPACITIES

TANK	CUBIC METRES				BARRELS		
	FUEL OIL	FRESH WATER	DRILL WATER	METHANOL	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					
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				
METHANOL (2)				2 x 83.5			
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

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