

M. V. HIGHLAND PRINCESS

UT755XL – 7,482 BHP, DP2 PLATFORM SUPPLY VESSEL (PSV)



REGISTRATION

Owner	GulfMark UK Ltd
Year Built	2014
Builder	Rosetti Marino SpA, Italy
Flag	UK
Classification	ABS +1A1, Offshore Support Vessel, (E), + DPS-2, + AMS, + ACCU Oil Recovery Capability Class 1, FFV1, UWILD, GP

MAIN CHARACTERISTICS

Length Overall	246 ft	(74.95 m)
Breadth (moulded)	52 ft	(16.00 m)
Draught (max)	19 ft	(5.85 m)
GT	2,215	
NT	757	
Deadweight	3,116 T	

CAPACITIES

Cargo Deck Area	7,696 ft ² (174 ft x 44 ft)
	715.5 m ² (53 m x 13.5 m)
Deck Load	1,650 T
Fuel Oil Cargo	243,830 gal (923 m ³)
Potable Water	226,131 gal (856 m ³)
Drill Water	321,497 gal (1,217 m ³)
Oil Based Mud*	6,247 bbls
Base Oil	279 bbls
Brine	4,998 bbls
Oil Recovery	800 m ³ (8 tanks)
Dry Bulk	11,318 ft ³ @ 100% (80psi)

* Mud/Brine tanks (S.G. 2.5) 10 dual purpose mud / brine tanks.
Can be split 6/4; mud / brine with total segregation.

CARGO DISCHARGE

Fuel Oil	200 m ³ /hr @ 90 m hd
Pot Water	200 m ³ /hr @ 90 m hd
Oil Based Mud	2 x 100 m ³ /hr @ 180 m hd
Base Oil	90 m ³ /hr @ 90 m hd
Brine	100 m ³ /hr @ 180 m hd
Cement	80 T/hr @ 90 m hd
Barytes	60 T/hr @ 90 m hd
Bentonite	100 T/hr @ 90 m hd
Drill Water	150 m ³ /hr @ 90 m hd

PERFORMANCE

c. 14.5kn	@ c. 25.0t / 24hrs
c. 13.0kn	@ c. 15.9t / 24hrs
c. 11.0kn	@ c. 12.3t / 24hrs
c. 9.0kn	@ c. 9.8t / 24hrs

ACCOMMODATION

20 persons	12 x 1 Man cabins
	4 x 2 Man cabins

MANOEUVRING EQUIPMENT

1 x Poscon Joystick (portable)

DYNAMIC POSITIONING SYSTEM (CLASS II)

Kongsberg – Simrad K-POS DP-21 Green DPS (DP II)
References
1 x Radius 1000 Radar Positioning System
1 x DGPS DPS-200 with IALA receiver
1 x DGPS DPS-100

MACHINERY

Main Engines	2 x 3,741 BHP
Thrusters Bow	2 x 885 BHP
Thrusters Stern	2 x 800 BHP
Shaft Alternators	2 x 1800 kW
Aux Generators	2 x 296 kW
Rudders	2 Rolls Royce High Lift
Propellers	2 x CPP
Deck Crane	1 x 6T @ 16m
Tugger Winch	2 x 10T
Capstans	2 x 8T

TANK WASHING SYSTEM

Toftejorg fixed tank cleaning system in mud/brine tanks.
Hot water and chemical dosing applications.

AGITATORS

Electric agitators in all mud / brine tanks.

NAVIGATION EQUIPMENT

1 x Furuno 10cm ARPA Radar
1 x Furuno 3cm Radar
1 x Furuno GPS Satellite Navigator
3 x Raytheon Gyro Compass
1 x Raytheon Autopilot
1 x Furuno AIS FA 150
1 x Furuno Echosounder
1 x Furuno Naviknot Speed Log
1 x Furuno Weather Fax

COMMUNICATION EQUIPMENT

2 x Inmarsat C
1 x Internal Intercom System
Radio plant according to GMDSS A3 requirements
4 x Motorola GP 340 – Handheld UHF
2 x Furuno VHF RT 5022
1 x Furuno VHF External communication according to GMDSS 3 x sailor SP 3520
1 x Sailor 406 MHz EPIRB McMurdo
1 x KU Band Satellite Communications System
1 x Fleetbroadband 250

FIRE FIGHTING

FiFi 1 with Self Drenching System
2 x 1800m³/hr pumps
2 x 1200m³/hr monitors
(No foam, water only)

ADDITIONAL FEATURES

Deck Power Outlets	2 x 500Amp Outlets (440v)
Reefer sockets	12 x 110v / 32Amp
FRC NDM Model	
NPT60RB –	6 man 140 bhp inboard water jet
Dispersant Spraying	2 x 10 m stainless steel booms
Dispersant Storage	9 m ³
Oil Recovery	800m ³
Power pack	For oil rec. equipment





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TANK CAPACITIES

TANK	CUBIC METRES			BARRELS			
	FUEL OIL	FRESH WATER	DRILL WATER	DP MUD / BRINE	MUD	BRINE	BASE OIL
CARGO FUEL	36.3 40.2 67.1 (x2) 47.1 54.9 (x2) ** 49.1 51.3 (x2) 84.6 (x2) ** 41.7 (x2) 16.2 61.4 75.4						345.3 (x2) 532.1 (x2)
FRESH WATER (10)		118.8 107.7 58.3 33.4 (x2) 80.3 173.1 159.5 46.1 (x2)					
DRILL WATER (11)			97.2 61.0 50.7 99.3 (x4) 112.4 166.4 173.1 159.5				
DUAL PURPOSE MUD / BRINE (10)*				624.7 (x 10) Tank No's 1,2,3,4,5 P & S			
MUD					624.7 (x 6) Tank No's 3,4,5 P & S		
BRINE						624.7 (x 4) Tank No's 1,2 P & S	
TOTAL	924.9 **	856.7	1,217.5	4,998	3,748	2,499	1,755

*The 8 Dual Purpose Mud / Brine Tanks can be: All 8 Mud or All 8 Brine or split 4 Mud / 4 Brine (with complete segregation)

** The 4 Dual Purpose Fuel / Base Oil Tanks can be: All Fuel or All Base Oil or split (with complete segregation)