



# HIGHLAND DUKE

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

## REGISTRATION

Owner	GulfMark UK Ltd
Built	Jan 2012
Builder	Rosetti Marino SpA, Italy
Classification	ABS, A1, Offshore Support Vessel, Oil Recovery Capability Class 1, AMS, ACCU, DPS-2, Fire Fighting Vessel Class 1
Flag	UK

## MAIN CHARACTERISTICS

LOA	74.97 m
Breadth (moulded)	16 m
Draft (max)	5.85 m
GT	2,215T
NT	757T
Deadweight	3,133T

## FUEL CONSUMPTIONS

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

## MANOEUVRING EQUIPMENT

1 x Poscon Joystick (portable)

## 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 375 kVA + 1 x 150 kVA
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

## DYNAMIC POSITIONING SYSTEM (CLASS II)

Kongsberg – Simrad K-POS DP-21 Green DPS (DP II)

References:

1 x HiPAP 500 Acoustic Positioning System  
 1 x Radius 1000 Radar Positioning System  
 1 x DGPS DPS-200 with IALA receiver  
 1 x DGPS DPS-100

## ACCOMMODATION

12 x 1 Man cabins  
 4 x 2 Man cabins

## FIRE FIGHTING

FiFi 1 with Self Drenching System  
 2 x 1800m<sup>3</sup>/hr pumps  
 2 x 1200m<sup>3</sup>/hr monitors (water/foam)



## NAVIGATION EQUIPMENT

1 x Sperry Bridgemaster 10cm ARPA Radar  
 1 x Sperry Bridgemaster 3cm Radar  
 1 x Sperry GPS Satellite Navigator  
 3 x Sperry Navigat Gyro Compass  
 1 x Sperry Navipilot Autopilot  
 1 x JRC JHS 182 AIS  
 1 x Sperry Echosounder  
 1 x Sperry Naviknot Speed Log  
 1 x JRC 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 Sailor VHF RT 5022  
 1 x Sailor VHF C 4900  
 External communication according to GMDSS – 3 x Sailor SP 3520  
 1 x Sailor 406 MHz EPIRB  
 1 x KU Band Satellite Communications System  
 1 x Fleetbroadband 500

## CARGO CAPACITY

Deck Area	716 m <sup>2</sup>	(53 m x 13.5 m)
Deck Load	1,600T	
Fuel Oil	925 m <sup>3</sup>	@ 100%
Potable Water	856 m <sup>3</sup>	@ 100%
Drill Water	1,217 m <sup>3</sup>	@ 100%
Oil Based Mud*	6,247 bbls	@ 100%
Base Oil	279 m <sup>3</sup>	@ 100%
Brine	4,997 bbls	@ 100%
Oil Recovery	800 m <sup>3</sup> (8 tanks)	
Dry Bulk	11,318 cu ft	@ 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.

## AGITATORS

Electric agitators in all mud/brine tanks.

## TANK WASHING SYSTEM

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

## DISCHARGE RATES

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

## ADDITIONAL FEATURES

Deck Power Outlets  
 Reefer sockets  
 Mob Boat / FRC  
 Dispersant Spraying  
 Dispersant Storage  
 Oil Recovery  
 Power pack

2 x 500Amp Outlets (440v)  
 12 x 110v / 32Amp  
 NDM Model NPT60RB – 6 man  
 140 bhp inboard water jet  
 2 x 10 m stainless steel booms  
 9 m<sup>3</sup>  
 800 m<sup>3</sup>  
 For oil rec. equipment



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### TANK CAPACITIES

TANK	CUBIC METRES			BARRELS			
	FUEL OIL	POTABLE WATER	DRILL WATER	DP MUD / BRINE	MUD	BRINE	BASE OIL
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 50.7 99.3 ( x4 ) 112.4 166.4 173.1 159.5				
DUAL PURPOSE MUD / BRINE (10)				624.6 ( x10 )  Tank No's 1,2,3,4,5 P & S			
MUD					624.6 ( x6 )  Tank No's 3,4,5 P & S		
BRINE						624.6 ( x4 )  Tank No's 1,2 P & S	
<b>TOTAL</b>	<b>924.9</b>	<b>856.7</b>	<b>1217.5</b>	<b>6246</b>	<b>3747</b>	<b>2498</b>	<b>1754.9</b>

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

These particulars should be taken as indicative and do not constitute a warranty