



HIGHLAND DEFENDER MMC887 CD PSV DP 2, DIESEL ELECTRIC, CLEAN DESIGN - LARGE PLATFORM SUPPLY VESSEL

REGISTRATION

Owner	GulfMark UK Ltd
Year Built	2013
Builder	Remontowa, Poland
Flag	UK
Classification	ABS +A1 (E) OFFSHORE SUPPORT VESSEL, +AMS, +ACCU, +DPS-2, OIL RECOVERY CAPABILITY CLASS 2, FIRE FIGHTING VESSEL CLASS 1, UWILD, GP, ENVIRO, SPS

MAIN CHARACTERISTICS

Length Overall	286 ft	(87.25 m)
Breadth (moulded)	62 ft	(18.80 m)
Depth (moulded)	24 ft	(7.40 m)
Draught (max)	20 ft	(6.05 m)
GT	4,125	
NT	1,740	

CAPACITIES

Deadweight	4975 T
Cargo Deck Area	205 ft x 52.5 ft = 10762.5 ft ² (62.5 x 16 m = 1,000 m ²)
Deck Load	2,500 T @ 5 T/ m ²
Fuel Oil Cargo	240,396 gal (910 m ³)
Potable Water	250,171 gal (947 m ³)
Drill Water	486,869 gal (1843 m ³)
Oil Based Mud	12,960 bbls
Base Oil	1,450 bbls
Brine	12,960 bbls
Methanol / Xylene	88,656 gal (335.6 m ³)
Dry Bulk	14,995 ft ³ in 5 tanks

CARGO DISCHARGE

Fuel Oil	150 m ³ /hr @ 90 m hd
Pot Water	150 m ³ /hr @ 90 m hd
Oil Based Mud	4 x 75 m ³ /hr @ 14bar
Base Oil	100 m ³ /hr @ 90 m hd
Brine	4 x 75 m ³ /hr @ 14bar
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

PERFORMANCE

11 knots	@ Approx. 11 T / day
14.5 knots	@ Approx. 20 T / day
DP2	@ Approx. 5-10 T / day

DYNAMIC POSITIONING SYSTEM (CLASS II)

L3 Platinum DP System	1 x Radascan
References	1 x Radius
	3 x DGPS receiver

MACHINERY

Diesel Electric Generating Power	9,598 BHP
Propulsive BHP	5,362 BHP
Main Generators	4 x CAT 1790 KW
Emergency Gen	1 x CAT 350 KW
Thrusters Bow	1 x 1200 BHP(Tnl)
Thrusters Bow	1 x 1070 BHP(Azi)
Thrusters Stern	N/A - D.E. (Azimuth)
Rudders	N/A - D.E. (Azimuth)
Propellers	2 x FPP Azimuth
Capstans	2 x 10T
Deck Crane	2 x 3T @ 10m
Tugger Winch	2 x 10T

MANOEUVRING EQUIPMENT

2 x Rotating variable speed Stern Azimuth propulsion units (Diesel electric)

TANK WASHING SYSTEM

Fixed tank washing system in all mud tanks
Hot / Cold wash with / without chemicals

NAVIGATION AND COMMUNICATION

1 x L3 Radarplot 10CM ARPA RADAR
1 x L3 Radarplot 3CM ARPA RADAR
3 x C-Nav 100G DGPS inbuilt Navigator
3 x Sailor SP3520 GMDSS VHF's
4 x Motorola GP 340 portable UHF exrated
1 x GSM/GPRS Cellular phone
3 x TSS Meridian Gyro Compasses
1 x L3 Trackpilot autopilot
1 x L3 ECDISpilot
1 x Caprock Sat Communication system
1 x SAM 4620 echo sounder
1 x SAM 4682 Doppler speed log
1 x SAM 3410 AIS system
1 x SAM RT6310 MF/HF SSB radio station
1 x SAM DSC terminal
2 x SAM 6110E Inmarsat C
1 x Sailor FBB150 Fleetbroadband Satellite
1 x SAM 2918 Navtex receiver
2 x Debeg RT622 VHF - built in DSC
1 x Debeg RT6210 simplex VHF
1 x SAM 6110 SSAS
1 x SAM LRIT software

ENVIRONMENTAL

ABS 'ENVIRO' Class notation
Double Hull with no hydrocarbon products on outer shell.
Green Passport

ACCOMMODATION

40 persons	16 x 1 Man cabins
	12 x 2 Man cabins





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TANK CAPACITIES

TANK	CUBIC METRES				BARRELS		
	FUEL OIL	FRESH WATER	METHANOL	DRILL WATER	OIL BASED MUD	BRINE	BASE OIL
CARGO FUEL (6)	95.3 373.5 362.1 13.3 13.3 26.7 26.7						
FRESH WATER (13)		2 x 50.5 2 x 77.7 2 x 64.0 2 x 53.6 155.3 157.5 48.3 45.7 48.2					
METHANOL (2)			2 x 167.8				
DRILL WATER (19)				2 x 51.1 2 x 69.9 2 x 52.0 2 x 119.8 2 x 98.7 2 x 60.6 2 x 148.3 2 x 70.6 184.1 159.9 156.8			
OBM (4 + 4)					2 x 2122 2 x 1808 2 x 1495 2 x 1055		
BRINE (4 + 4)						2 x 1495 2 x 1055 2 x 2122 2 x 1808	
BASE OIL (2)							2 x 725
TOTAL	911	947	336	1,843	12,960	12,960	1,450

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

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