



M.V. HIGHLAND FORTRESS

UT755L - 5,450 BHP PLATFORM SUPPLY/ROV SUPPORT VESSEL

REGISTRATION

Owner	GulfMark Malta Ltd
Manager	GulfMark UK Ltd
Year Built	2001
Builder	Soviknes Verft, Norway
Flag	UK
Classification	ABS A1, Offshore Support Vessel, AMS, ACCU, DPS-2

MAIN CHARACTERISTICS

LOA	72m
Breadth (moulded)	16m
Depth (mould to sh.dk)	7 m
Draft (max)	5.9 m
GRT	2,244 T
NRT	936 T
Deadweight	3,200 T

MACHINERY

Main Engines	2 x 2,725 BHP
Thrusters Bow	1 x 800 BHP
Thruster Azimuth	1 x 1,000 BHP
Thrusters Stern	2 x 800 BHP
Rudders	2 x Rolls Royce High Lift
Propellers	2 x CPP
Capstans	2 x 8 T
Deck Crane	1 x 5T @ 10m
Tugger Winch	2 x 10T

CARGO CAPACITY

Deck Area	640 m ²	
Deck Load	1,500 T	
Fuel Oil	916.8 m ³	@ 100%
Potable Water	796.3 m ³	@ 100%
Drill Water	1,152.4 m ³	@ 100%
Oil Based Mud*	4,860 bbbls	@ 100%
Base Oil	1,323 bbbls	@ 100%
Brine*	4,860 bbbls	@ 100%
Dry Bulk	9,000 cuft (256 m ³)	@ 100%

*Mud/Brine tanks -
8 Dual purpose tanks (4,860 bbbls)
8 mud or 6 mud / 2 brine, 4 mud / 4 brine etc. with complete product segregation

DISCHARGE RATES

Fuel	200 m ³ /hr	@ 90 m hd
Pot Water	200 m ³ /hr	@ 90 m hd
Drill Water	150 m ³ /hr	@ 90 m hd
Oil Based Mud	75 m ³ /hr	@ 90 m hd
Base Oil	150 m ³ /hr	@ 90 m hd
Brine	75 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

ACCOMMODATION

14 x 1 Man
12 x 2 Man

NAVIGATION & COMMUNICATION EQUIPMENT

1 x Furuno 10CM ARPA RADAR 2835S
1 x Furuno 3CM RADAR, Model 2115
1 x Furuno Satellite Navigator GP 30
1 x Jotron EPIRB
2 x Jotron 9GHz Radar transponder
3 x Navico SRH 150 VHF GMDSS
4 x Motorola GP 900 portable UHF
1 x GSM Cellular phone
1 x Nokia GSM
3 x Anschutz gyro compass – 20 compact
1 x Anschutz digital autopilot
1 x Anschutz universal signal unit
1 x Furuno echo sounder FE-700
1 x Furuno Doppler speed log DS80
2 x Windobserver 11 wind indicator
1 x Furuno MF/HF SSB Radio station
1 x Furuno DSC terminal DSC 6A
2 x Thrane & Thrane SAT C
1 x Furuno SAT B FELCOM 81
1 x Furuno Navtex receiver NX-500
2 x Sailor Compact RT 4722 VHF/DSC Duplex
1 x Sailor RT 2048 simplex VHF
1 x Telko Electronic Chart System
3 x TSS Meridian gyro compasses

MANOEUVRING EQUIPMENT

Independently operated main engine, bow and stern thruster and steering gear controls. 1 x Rolls Royce Joystick

DYNAMIC POSITIONING SYSTEM (CLASS II)

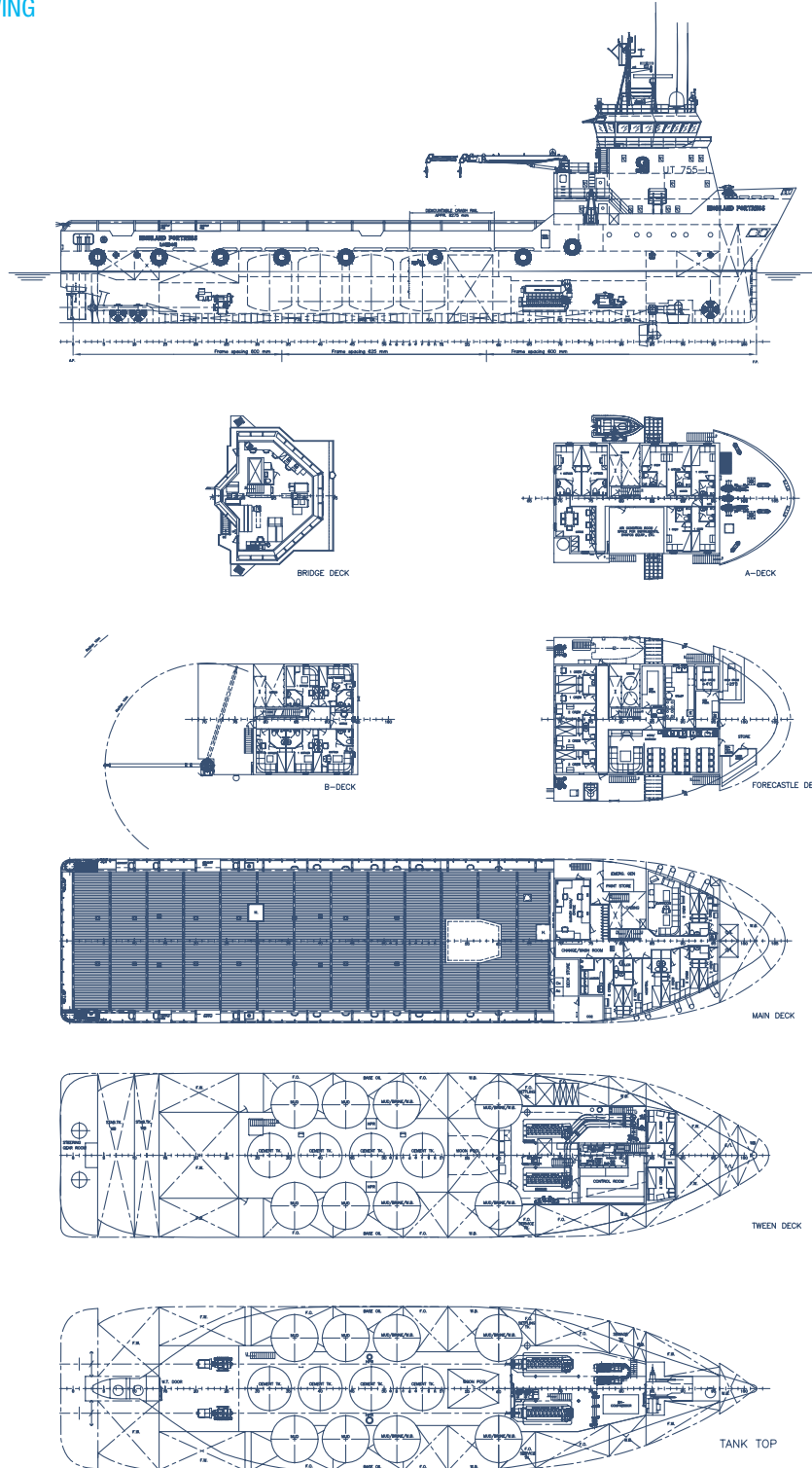
Kongsberg Simrad SDP 21, 2 x DPC 11 controller unit
1 x HiPAP acoustic reference system
1 x DGPS reference system
1 x Mk 12 Light Weight Taut Wire reference system
Interfaces fitted for 410/LBL, Fan Beam Laser
Survey Room on main deck fully fitted 19" racks, 220v power
Telemetry and video cables from bridge
Main deck power supplies 2 x 440v
Main deck aft reinforced to take 150 tonne "A" frame
Moon pool on CL of vessel 4.35 x 3.8 m passively stabilised
Survey tube to port of Moon pool 0.5 m clear hole,
C/W survey pole which protrudes at up to 4.0m below the hull
Spare 14" gate valve fitted, port side of shell opposite HiPAP
ready for fitting with a second Gantry and pole system
1 x SPT 331 Transponder beacon
2 x RPT 316 RT Transponders beacon



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GENERAL ARRANGEMENT DRAWING





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TANK CAPACITIES

TANK	CUBIC METRES			BARRELS		
	FUEL OIL	FRESH WATER	DRILL WATER	OIL BASED MUD	BRINE	BASE OIL
FUEL (8)	174.1 151.0 115.4 115.4 138.8 138.8 41.7 41.7					
FRESH WATER (8)		103.4 110.7 144.8 149.6 34.1 34.1 22.5 197				
DRILL WATER (11)			106 69.5 50.7 128.6 128.6 96.6 96.6 96.8 96.8 113.3 168.8			
OBM (8)				607.5 607.5 607.5 607.5 607.5 607.5 607.5 607.5		
BRINE (8)					607.5 607.5 607.5 607.5 607.5 607.5 607.5 607.5	
BASE OIL (2)						661.5 661.5
TOTAL	916.8	796.3	1,152.4	4,860	4,860	1,323