



M.V. HIGHLAND NAVIGATOR

UT745 - 9,600 BHP PLATFORM SUPPLY/ROV SUPPORT VESSEL

REGISTRATION

| | |
|----------------|---|
| Owner | GulfMark Malta Ltd |
| Manager | GulfMark UK Ltd |
| Year Built | 2002 |
| Builder | Soviknes Verft, Norway |
| Flag | Malta |
| Classification | ABS A1, Offshore Support Vessel, AMS, ACCU, DPS-2 |

MAIN CHARACTERISTICS

| | |
|------------------------|---------|
| LOA | 84 m |
| Breadth (moulded) | 18.8 m |
| Depth (mould to sh.dk) | 7.6 m |
| Draft (max) | 6.2 m |
| GRT | 3,277 T |
| NRT | 1,458 T |
| Deadweight | 4,510 T |

PERFORMANCE

11 knots @ 14 m³ / day
 12.5 knots @ 18 m³ / day
 14.5-15 knots @ 35 m³ / day

MACHINERY

| | |
|--------------------|---------------------------|
| Main Engines | 2 x 4,800 BHP |
| Thrusters Bow | 2 x 1,184 BHP |
| Thrusters Stern | 2 x 834 BHP |
| Rudders | 2 Ulstein High Lift |
| Propellers | 2 x CPP |
| Capstans | 2 x 10 T |
| Ships Crane | 1 x 5T @ 10m |
| Tugger Winch | 2 x 10T |
| Construction Crane | 1 x 35T @ 10m or 20T @15m |
| | (500m of 42mm wire) |
| A-Frame | 1 x 25T with winch |
| | (500m of 36mm wire) |
| | (8.5m (h) x 8.9m (w)) |

ACCOMMODATION

50 persons
 8 x 1 Man
 21 x 2 Man

MANOEUVRING EQUIPMENT

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

DYNAMIC POSITIONING SYSTEM

Kongsberg Simrad SDP 21
 HiPAP acoustic reference system
 1 x DGPS reference system
 1 x Mk 12 Light Weight Taut Wire
 1 x Fan beam laser
 1 x SPT 331 Transponder
 2 x RPT 316 RT Transponders

NAVIGATION & COMMUNICATION EQUIPMENT

1 x Furuno 10CM ARPA RADAR 2835S
 1 x Furuno 3CM RADAR, Model 2115
 2 x Furuno Satellite Navigator GP 80
 1 x TRON EPIRB
 2 x Jotron 9GHz Radar transponder
 3 x Sailor SP 3110 portable VHF for GMDSS
 4 x Motorola GP 340 portable UHF
 1 x GSM Cellular phone
 Radio Certificate for GMDSS Area A3
 1 x Telchart chart plotter T-2025
 1 x Furuno Sat B Felcom 81B
 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 Wind indicator
 1 x Furuno MF/HF SSB Radio station
 1 x Furuno DSC terminal DSC 60
 2 x Furuno SAT C
 1 x Furuno Navtex receiver NX-500
 2 x Sailor RT 4722 Duplex VHF
 1 x Sailor RT 4822 simplex VHF
 3 x TSS Meridian gyro compasses
 1 x KU Band Satellite Comm System

CARGO CAPACITY

| | |
|---------------|-------------------------------|
| Deck Area | 53.5m x 16.45m |
| Deck Load | 2,600 T |
| Fuel Oil | 1,189.8 m ³ @ 100% |
| Potable Water | 1,105 m ³ @ 100% |
| Drill Water | 1,383.8 m ³ @ 100% |
| Oil Based Mud | 4,361 bbls @ 100% |
| Base Oil | 1,461 bbls @ 100% |
| Brine | 5,779 bbls @ 100% |
| Dry Bulk | 14,000 cuft @ 100% |

DISCHARGE RATES

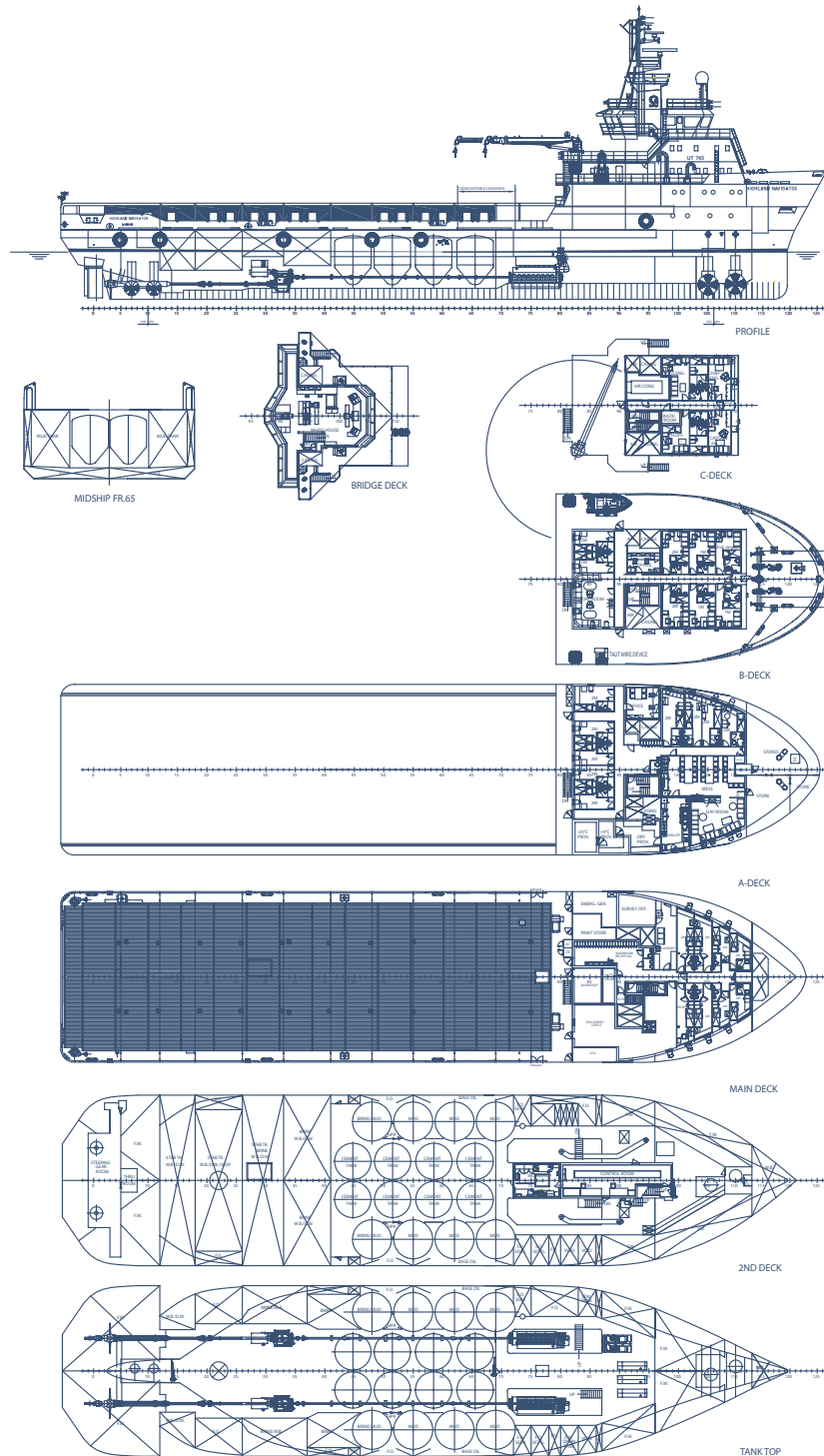
| | | |
|---------------|------------------------|-----------|
| Fuel | 250 m ³ /hr | @ 90 m hd |
| Pot Water | 250 m ³ /hr | @ 90 m hd |
| Oil Based Mud | 150 m ³ /hr | @ 90 m hd |
| Base Oil | 130 m ³ /hr | @ 90 m hd |
| Brine | 75 m ³ /hr | @ 90 m hd |
| Cement | 80 T/hr | @ 90 m hd |
| Barytes | 60 T/hr | @ 90 m hd |
| Bentonite | 100 T/hr | @ 90 m hd |
| Drill Water | 250 m ³ /hr | @ 90 m hd |



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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 (14) | 188.2 134.5 104.4 104.4 105.3 105.4 108.1 107.5 37.2 37.2 59.5 60.4 36.6 1.1 | | | | | |
| FRESH WATER (6) | | 176.4 170.6 124.9 126.3 247.5 259.2 | | | | |
| DRILL WATER (6) | | | 123.4 185.9 185.9 240.6 337.4 310.5 | | | |
| OBM (8) | | | | 541.3 541.3 546.5 546.5 546.5 546.5 546.5 546.5 | | |
| BRINE (7) | | | | | 367.3 367.3 596.3 596.3 1169.4 1169.4 1513.3 | |
| BASE OIL (2) | | | | | | 730.5 730.5 |
| TOTAL | 1,189.8 | 1,105 | 1,383.8 | 4,361.6 | 5,779.3 | 1,461 |