



M. V. HIGHLAND KNIGHT

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

REGISTRATION

| | |
|----------------|---|
| Owner | GulfMark UK Ltd |
| Year Built | 2013 |
| Builder | Rosetti Marino SpA, Italy |
| Flag | UK |
| Classification | ABS + IAI, 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 | 2,202 T | |
| NT | 757 | |
| Deadweight | 3,116 T | |

CAPACITIES

| | |
|-----------------|--|
| Cargo Deck Area | 7,696 ft ² (174 ft x 44 ft) |
| | 715 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.
Hot water and chemical dosing applications.

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

Hydraulic 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 |



M. V. HIGHLAND KNIGHT

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

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 | | | | | | |
| 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 | |
| BASE OIL | | | | | | | 54.9 (x2) 84.6 (x2) |
| TOTAL | 924.9 | 856.7 | 1,217.5 | 4,998 | 3,748 | 2,499 | 279 |

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