### Vessel Characteristics

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Length, Overall:</strong></td>
<td>288.4 ft</td>
<td>87.9 m</td>
</tr>
<tr>
<td><strong>Beam:</strong></td>
<td>62.3 ft</td>
<td>19 m</td>
</tr>
<tr>
<td><strong>Depth:</strong></td>
<td>26.2 ft</td>
<td>8 m</td>
</tr>
<tr>
<td><strong>Maximum Draft:</strong></td>
<td>21.7 ft</td>
<td>6.6 m</td>
</tr>
<tr>
<td><strong>Light Draft:</strong></td>
<td>10.8 ft</td>
<td>3.3 m</td>
</tr>
<tr>
<td><strong>Minimum Height:</strong></td>
<td>89.8 ft</td>
<td>27.4 m</td>
</tr>
<tr>
<td><strong>Freeboard:</strong></td>
<td>4.6 ft</td>
<td>1.4 m</td>
</tr>
<tr>
<td><strong>Displacement:</strong></td>
<td>7,420 lt</td>
<td>7,540 mt</td>
</tr>
<tr>
<td><strong>Deadweight:</strong></td>
<td>4,380 lt</td>
<td>4,450 mt</td>
</tr>
<tr>
<td><strong>Clear Deck Space:</strong></td>
<td>205 x 52 ft</td>
<td>62 x 16 m</td>
</tr>
<tr>
<td><strong>Clear Deck Area:</strong></td>
<td>10,700 ft²</td>
<td>1000 m²</td>
</tr>
<tr>
<td><strong>Deck Strength:</strong></td>
<td>2,050 lb/ft²</td>
<td>10 t/m²</td>
</tr>
</tbody>
</table>

Class Notations: DNV: +1A1, SF, E0, DYNPOS(AUTR), DK(+), HL(2.8), Ice(C), Fire Fighter(II), CLEAN(DESIGN), OILREC, NAUT(OSV(A)), LFL(*), COMF(C-3, V-3), NOFO 2009

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### Capacities

<table>
<thead>
<tr>
<th>Deck Cargo:</th>
<th>2,460 lt</th>
<th>2,500 t</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel Oil:</td>
<td>287,000 gal</td>
<td>1,080 m³</td>
</tr>
<tr>
<td>Potable Water:</td>
<td>37,900 gal</td>
<td>140 m³</td>
</tr>
<tr>
<td>Fresh Water:</td>
<td>168,000 gal</td>
<td>640 m³</td>
</tr>
<tr>
<td>Drill/Ballast Water:</td>
<td>690,000 gal</td>
<td>2,610 m³</td>
</tr>
<tr>
<td>Bulk Tanks (6 tanks):</td>
<td>11,400 ft³</td>
<td>320 m³</td>
</tr>
<tr>
<td>Liquid Mud (23 lbs/gal):</td>
<td>6,090 bbl</td>
<td>970 m³</td>
</tr>
<tr>
<td>Base Oil:</td>
<td>2,540 bbl</td>
<td>400 m³</td>
</tr>
<tr>
<td>Methanol:</td>
<td>1,020 bbl</td>
<td>160 m³</td>
</tr>
</tbody>
</table>

### Performance

#### Fuel Consumption Vs Speed
- **Maximum:** 26.6 m³/day (290 gph) @ 14 knots
- **Cruising:** 19.9 m³/day (220 gph) @ 12 knots
- **Economical:** 14.9 m³/day (160 gph) @ 10 knots

#### Range @ 11 Knots: 16,200 nm

### Transfer Rates

- **Fuel Oil:** 1,100 gpm @ 300 ft @ 90 m/h @ 90 m
- **Fresh Water:** 660 gpm @ 300 ft @ 150 m/h @ 90 m
- **Drill/Ballast Water:** 1,100 gpm @ 300 ft @ 250 m/h @ 90 m
- **Base Oil:** 440 gpm @ 300 ft @ 100 m/h @ 90 m
- **Brine:** 440 gpm @ 720 ft @ 100 m/h @ 220 m
- **Methanol:** 440 gpm @ 270 ft @ 100 m/h @ 82 m

### Accommodations

- **No of Berths:** 26
- **1-man cabins:** 10
- **2-man cabins:** 4
- **4-man cabins:** 2
- **Certified to Carry:** 26
- **Hospital:** Yes

### Registration

- **Flag:** ISLE OF MAN
- **IMO No:** 9608740
- **Year Built:** 2013
- **Builder:** VARD AUKRA
- **Call Sign:** 2JSO2
- **Tonnage (ITC):** 3943 GT 1616 NT

### Diesel Electric Vessel

- **Propulsive/Total HP:** 6,700 / 9,440
- **Z-Drives:** Yes
- **Propellers (2):** Schottel SCD 2020FP 2500KW
- **Primary Generators (4):** 1,670 kw 690 v 60 hz
- **Driven by:** MAN 8L21/31
- **Emergency Generators (1):** 160 kw 690 v 60 hz
- **Driven by:** Cummins 6CTA8.3DM
- **Bow Thruster (2):** BRUNVOLL FU-74-LTC2000 TT
- **Driven by:** 880 kW Electric Motors
- **Total Thrust:** 29.5 st 26.7 mt

### Machinery

- **Radar(s):** 2
- **Depth Sounder:** 1
- **Gyro Compass:** 3
- **Doppler Log:** 1
- **Radio:** 5 x VHF

### Nav/Comms Equip.

- **Firefighting:** FiFi-2
- **Dynamic Positioning:** DP-2 CLASSED
- **Ref. Systems:** 3 x MRU; 2 x DGPS
  - 1 x Laser-based; 1 x Radar-based
- **Mud Recirculation:** Yes
- **Mud Mixers:** Yes
- **Tank Cleaning:** Yes
- **Fuel Monitoring:** Green Pilot
- **Rescue Boat:** Yes

### Special Equip.

- **Anchors (2):** Spek Type 3540kg
- **Anchor Chain:** 250 m of 45.7 mm chain per side
- **Crane:** 5 t @ 9.8 m
- **Aux. Crane:** 2 t @ 9.8 m
- **Capstans (2):** 10 t RRM CA 100H
- **Tugger (2):** 10 t RRM TUW 100F

### Deck. Equip.

- **Last update:** 7/9/2018

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