Environmentally friendly diesel electric propulsion uses less fuel than conventional direct drive systems and produces far less pollution. Vessels designed to maintain a speed of 13 knots at loadline (fully loaded condition), up to 20% faster than most existing vessels of equal size. Liquid mud tank capacity and delivery capabilities typically found only in much larger vessels. Oval liquid mud tanks with a self-cleaning system provide maximum circulation and are more cost-effective to clean than traditional square tanks.

**REGISTRATION**

- **Owner**: GulfMark Americas, Inc.
- **USCG Official #**: 1195773
- **Year Built**: 2007
- **Builder**: Bollinger Shipyards Inc.
- **Flag**: U.S.A.
- **Classification**: ABS ✠A1, ✠AMS, ✠DPS-2, Ⓔ, SOLAS, USCG Subchapter L, Full Ocean

**MAIN CHARACTERISTICS**

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length Overall</td>
<td>190 ft (57.90 m)</td>
</tr>
<tr>
<td>Length Between Perpendiculars</td>
<td>180 ft (54.90 m)</td>
</tr>
<tr>
<td>Beam</td>
<td>46 ft (14.00 m)</td>
</tr>
<tr>
<td>Depth</td>
<td>18 ft (5.50 m)</td>
</tr>
<tr>
<td>Operating Draft</td>
<td>14 ft (4.30 m)</td>
</tr>
<tr>
<td>Operating Displacement</td>
<td>2,360 ft³ (2,398 mt)</td>
</tr>
<tr>
<td>Light Draft</td>
<td>8.9 ft (2.70 m)</td>
</tr>
<tr>
<td>Gross Registered Tonnage</td>
<td>1,455 GRT</td>
</tr>
</tbody>
</table>

**CAPACITIES**

- **Deadweight**: (1,659 lt) 1,686 mt
- **Cargo Deck Area**: (112.0 ft x 37.3 ft) 4,178 ft² (31.5 m x 11.35 m) 357.52 m²
- **Cargo Deck Loading**: 1,024 lbs / ft² (5 mt / m²)
- **Fuel Oil Cargo**: 2,998 bbl (125,900 gal) (477 m³)
- **Fuel Oil Day Tank**: 126 bbl (5,280 gal) (20 m³)
- **Bulk Mud**: 5,500 ft³ (4 tanks) (156 m³)
- **Liquid Mud**: 4,000 bbl (6 tanks) (636 m³)
- **Rig Water**: 2,975 bbl (124,950 gal) (473 m³)
- **Cargo Fresh Water**: 2,214 bbl (92,990 gal) (352 m³)
- **Ship Fresh Water**: 214.3 bbl (9,000 gal) (34 m³)

**PERFORMANCE**

- **Top Speed**: 12.5 knots @ 140 gph
- **Cruising Speed**: 11 knots @ 110 gph
- **Economical Speed**: 10 knots @ 85 gph
- **DP Mode**: 40 gph

**DYNAMIC POSITIONING SYSTEM (CLASS II)**

ABS classed DP2 Redundant Positioning System consisting of:
- 2 BAS IVCS Consoles
- Leica MX 420 / 2 DGPS
- 1 Cyscan Laser Reference Unit
- 2 RM Young Anemometers
- 2 Vertical Reference Units
- Yokogawa Gyro Compass
- 2 DP Alarm and Event Printers
- 2 4 kVA Uninterrupted Power Supply
- 1 Independent Joystick Control System

**PROPULSION - MACHINERY**

- **Total Installed Power**: 2,905 kW (3,894 hp)
- **Main Diesel Generators**: 2 x 1235 kW (1,655 hp) 480 VAC, 60 Hz (Cummins KTA50) 1 x 435 kW (583 hp) 480 VAC, 60 Hz (Cummins KTA19)
- **Emergency Generator**: 1 x 113 kW (151 hp) 480 VAC, 60 Hz (Cummins / Onan DGDK)
- **Main Propulsion**: 2 x 843 kW (1,130 hp)
- **Bow Tunnel Thrusters**: 2 x 560 kW (750 hp) Z-Drive, fixed thruster
- **Z-Drive**: 360º azimuthing thruster
- **Z-Drive, fixed thruster**:

**CARGO DISCHARGE**

- **Fuel Oil**: 600 gpm at 200 ft TDH (136 m³/h at 60 m TDH)
- **Rig Fresh Water**: 660 gpm at 196 ft (150 m³/h at 60 m)
- **Liquid Mud (LM)**: 660 gpm at 196 ft (150 m³/h at 60 m)
- **LM Segregated System**: Integrated / Segregated (4 Tanks each system)
- **LM Agitation**: Flygt Mixers
- **LM Tank Cleaning System**: Butterworth
- **Bulk Material (BM)**: Compressors rated for 55 st / hr at 196 ft (50 mt / hr at 60 m)
- **BM Segregated System**: Integrated / Segregated (2 Tanks each system)

**DECK EQUIPMENT**

- **Rescue Boat**: 1 x MOB boat with davit
- **Anchor Windlass**: 1
- **Roll Reduction System**: Bilge Keels

**CONTROL & SAFETY**

- Fully integrated DP / control dual redundant system
- Alarm, monitoring and control system for periodically unattended machinery space
- Remote control and monitoring of bulk mud cargo system

**ELECTRONICS**

- 2 Radars with ARPA
- 1 Navigation Gyro Compass
- 1 Autopilot
- 1 Depth Sounder
- 1 Speed Log
- 1 Radio System Compliant

**ACCOMMODATION**

- Fully Air-conditioned
- Accommodations for 16 people consisting of:
  - 2 x 4 man cabins
  - 4 x 2 man cabins
  - Galley, Provision Room, Stores, Mess
GENERAL ARRANGEMENT DRAWING

These particulars should be taken as indicative and do not constitute a warranty. For additional information, please contact GulfMark Servicos Maritimos do Brasil Ltda. at chartering.americas@gulfmark.com or at www.GulfMark.com.