

ST. LOUIS

260 CLASS DP-2 PLATFORM SUPPLY VESSEL



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 #	1167668
Year Built	2005
Builder	Bender Shipbuilding & Repair, Co, Inc. (USA)
Flag	U.S.A.
Classification	ABS #A1, Offshore support vessel, #AMS, #DPS-2, @, SOLAS, USCG Subchapter L, Full Ocean
USCG Safety Standby	EEP 100 endorsement by USCG for safety standby service

MAIN CHARACTERISTICS

Length Overall	252 ft	(76.81 m)
Length Between Perpendiculars	230 ft	(70.15 m)
Beam	54 ft	(16.50 m)
Depth	19 ft	(5.80 m)
Operating Draft	15.6 ft	(4.76 m)
Operating Displacement	4,434 lt	(4,504.04 mt)
Light Draft	7.87 ft	(2.40 m)
Gross Registered Tonnage	2,045	

CAPACITIES

Deadweight	2,882.74 lt	2,929.00 mt
Cargo Deck Area	(179 ft x 45 ft) 8,055 ft ²	(54.6 m x 13.7 m) 748 m ²
Cargo Deck Loading	1,024 lbs / ft ² (5 mt / m ²)	
Fuel Oil Cargo	3,400 bbl (142,801 gal) (540.56 m ³)	
Fuel Oil Day Tank	293 bbl (12,313 gal) (46.61 m ³)	
Bulk Mud	7,135 ft ³ (4 tanks) (202 m ³)	
Liquid Mud	8,215 bbl (13 tanks) (1,306.07 m ³)	
Rig Water	3,007 bbl (126,311 gal) (478.14 m ³)	
Cargo Fresh Water	5,040 bbl (211,715 gal) (801.43 m ³)	
Ship Fresh Water	409 bbl (17,200 gal) (65.11 m ³)	

PERFORMANCE

Top Speed	12.5 knots @ 190 gph
Cruising Speed	11 knots @ 147 gph
Economical Speed	10 knots @ 120 gph
DP Mode	50 gph

DYNAMIC POSITIONING SYSTEM (CLASS II)

ABS classed DP2 Redundant Positioning System consisting of:

- 2 GE ADP 21 consoles
- 2 Leica MX 420 / 2 DGPS
- 1 Cyscan Laser Reference Unit
- 2 Gill Wind Observer II Anemometers
- 2 Watson Vertical Reference Units
- 2 SG Brown Meridian Gyro
- 2 DP Alarm and Event Printers
- 2 x 4 kVA Uninterrupted Power Supply
- 1 Independent Joystick Control System

PROPULSION - MACHINERY

Total Installed Power	4,730 kW (6,342 hp)
Main Diesel Generators	2 x 1,825 kW (2,447 hp) 480 V / 60 Hz (Cummins QSK 60) 1 x 910 kW (1,220 hp) 480 V / 60 Hz (Cummins KTA 38)
Emergency Generator	1 x 170 kW (228 hp) 480 V / 60 Hz (Cummins 6 CTA 8.3)
Main Propulsion	2 x 1,566 kW (2,100 hp) Z drive, 360° azimuthing (Steerprop SP 20)
Bow Tunnel Thrusters	2 x 746 kW (1,000 hp) CPP at 1,200 rpm (Berg 12S)

CARGO DISCHARGE

Fuel Oil	600 gpm at 200 ft TDH (136 m ³ / h at 60 m TDH)
Rig Fresh Water	660 gpm at 196 ft (150 m ³ / h at 60 m)
Liquid Mud (LM)	660 gpm at 196 ft (150 m ³ / h at 60 m)
LM Segregated System	Integrated / Segregated
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	SOLAS cargo ship safety equipment
Roll Reduction System	2
	1 Roll Stabilization Tank

CONTROL & SAFETY

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

ELECTRONICS

2 Radars with ARPA	1 EPIRB (2 radar transponders)
1 Navigation Gyro Compass	5 UHF, 4 VHF (bridge to bridge)
1 Autopilot	1 Weather Fax
1 Depth Sounder	1 Navtex
1 Speed Log	1 PA / Loud Hailer
1 Radio System Compliant	

ACCOMMODATION

Fully Air-conditioned
Accommodations for 30 people consisting of:

- 4 x 1 man cabins
- 1 x 2 man cabin
- 6 x 4 man cabins
- Galley, Provision Room, Stores, Mess
- Walk in Refrigerator 423 ft³ (11.9 m³)
- Walk in Freezer 335 ft³ (9.5 m³)

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GENERAL ARRANGEMENT DRAWING

