**HERCULES**

**300 CLASS PSV DP-2 PLATFORM SUPPLY VESSEL**

### REGISTRATION
- **USCG Official #**: 1267677
- **Year Built**: 2016
- **Builder**: BAE Southwest Shipyards
- **Flag**: U.S.A.

### MAIN CHARACTERISTICS
- **Length Overall**: 288 ft (87.90 m)
- **Beam**: 62 ft (18.80 m)
- **Depth**: 26 ft (8.00 m)
- **Max Draft**: 21 ft (6.50 m)
- **Air Draft**: 105 ft (31.9 m)
- **Operating Displacement**: 8,218 Mt

### CAPACITIES
- **Deadweight**: 5165 ft (5250 mt)
- **Cargo Deck Area**: 10,763 ft² (1,000 m²)
- **Cargo Deck Loading**: 1,025 lbs per ft² (5 mt per m²)
- **Cargo Deck Dimensions**: 205 ft x 52.5 ft (62.5 m x 16.0 m)
- **Fuel Oil Cargo**: 6,919 bbl (290,589 gal) (1,100 m³)
- **Bulk Mud**: 11,440 ft³ (324 m³)
- **Liquid Mud**: 15,113 bbl (5 tanks) (2,403 m³)
- **Rig Water**: 10,378 bbl (435,884 gal) (1,650 m³)
- **Rig Fresh Water**: 6,447 bbl (270,776 gal) (1,025 m³)
- **ORO Capability**: 4,439 bbl (186,438 gal) (706 m³)
- **Methanol**: 2,356 bbl (98,952 gal) (374 m³)

### PERFORMANCE
- **Top Speed Class**: 14 kts @ 330 gph
- **Top Speed Light Class**: 16 kts @ 300 gph
- **Economical Mode**: 13 kts @ 220 gph
- **PTO/PTI Green Mode**: 12 kts @ 168 gph
- **PTO/PTI Green Economical Mode**: 10 kts @ 124 gph
- **DP Mode**: Stationkeeping @ 110 – 130 gph

### DYNAMIC POSITIONING SYSTEM (CLASS II)
- **ABS classed DP2**
- **Kongsberg K-Pos 21**
- **NaviLay**
- **HiPAP 500**
- **Gill Wind Sensors**

### FIRE FIGHTING VESSEL (FFV CLASS II)
- **3 Water Monitors**: Discharge rate 2,400m³/hr (10,560 gpm)
- **Range of 150m** (492 ft) and a height reach of 70m (230 ft)
- **2 Pumps**: Discharge of 7,200m³/hr (31,860 gpm)
- **Mobile foam generators**: 100m³/hr (3,530 ft³/min)

### SAFETY STANDBY SERVICE GR B (300)
- **2 x FRCS**: LSA Code compliant wave compensated davits (15 person capacity)
- **Scramble nets**
- **20 berths**: (in addition to normal accommodations)
- **Dedicated wash and toilet facilities for survivors**
- **Medical Treatment Facility (Hospital)**
- **Medical Recovery Room (2 bunks)**

### PROPULSION - MACHINERY
- **Total Installed Power**: 8,065 kW (10,815 hp)
- **Main Engines**: 2 x 3,000 kW (8,046 total hp)
- **Shaft Generators**: 2 x 2,000 kW (2,680 hp) 690 V / 60 Hz
- **Auxiliary Generators**: 2 x 550 kW
- **Emergency Generator**: 1 x 138 kW, 480 V / 60 Hz
- **Main Propulsion**: 2 x 3,000 kW each (4,023 hp each) CPP
- **Retractable Bow Thruster**: 1 x 880 kW (1,180 hp) retractable azimuthing thruster with independent diesel engine (CAT C32)
- **Bow Tunnel Thruster**: 1 x 846 kW (1,134 hp) variable speed thruster
- **Stern Tunnel Thrusters**: 2 x 846 kW (1,134 hp) variable speed thruster

### CARGO DISCHARGE
- **Fuel Oil**: 660 gpm at 295 ft TDH (150 m³/h at 90 m TDH)
- **Rig Fresh Water**: 660 gpm at 295 ft TDH (150 m³/h at 90 m TDH)
- **Liquid Mud(LM)**: 660 gpm at 197 ft TDH (4 x 150 m³/h at 60 m TDH)
- **LM Segregated System**: Integrated / Segregated
- **LM Agitation**: (4 systems, 2 tanks per system)
- **LM Tank Cleaning System**: Dual Nozzle
- **Bulk Material (BM)**: 100 m³ @ SG 2.16
- **BM Segregated System**: Integrated / Segregated (3 Tanks each system)
- **Methanol/MEG/TEG**: 330 gpm @ 295 ft TDH (75m³/hr @ 90m TDH)

### DECK EQUIPMENT
- **Tugger Winch**: 2 x 10 mt pull
- **Deck Cargo Crane**: 1 x 1.8 Lt (2 Mt) @ 12m (man riding for Safety Standby)
- **Anchor Windlass**: 2
- **Capstans**: 2 x 8 mt pull
- **Crane**: Crane foundation installed for a 110 Mt crane

### CONTROL & SAFETY
- **Fully integrated DP / control dual redundant system**
- **Alarm, monitoring and control system for periodically unattended machinery space**
- **Remote control and monitoring of all cargo systems**

### ELECTRONICS
- **2 Radars with ARPA**: 1 EPIRB
- **3 Navigation Gyro Compasses**: 2 SARTS
- **1 Autopilot**: 4 UHF, 3 VHF (bridge to bridge)
- **1 Depth Sounder**: 1 Navtex
- **1 Speed Log**: 1 PA / Loud Hailer
- **1 GMDSS**: 1 Aeronautical Band VHF
- **1 ECDIS Unit**: 1 ECDIS Unit
- **1 BNWAS**: 1 BNWAS

### ACCOMMODATION
- **Fully Air-conditioned**
- **Accommodations for 60 people consisting of:**
  - 12 x 1 man cabins
  - 24 x 2 man cabins
  - Gailey, Provision Room, Stores, Mess
  - Walk in Refrigerator
  - Walk in Freezer

### OIL RECOVERY CAPABILITY (CLASS 2)
- **Recovery of oil with a flash point over 60 degrees C**
- **Designated tanks, piping systems, vents for oil recovery**
- **Multi-gas detectors**

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**NOTICE**: The data contained herein is provided for convenience of reference to allow users to determine the suitability of the Company’s equipment. The data may vary from the current condition of equipment which can only be determined by physical inspection. Company has exercised due diligence to ensure that the data contained herein is reasonably accurate. However, Company does not warrant the accuracy or completeness of the data. In no event shall Company be liable for any damages whatsoever arising out of the use or inability to use the data contained herein. Fuel consumption figures are historically conservative approximations.