



310' Dual Fuel Class DPS-2 PSV DWT 5,312

HARVEY LIBERTY



DIMENSIONS & DOCUMENTATIONS

| | | | | | |
|--------------------|---|-------|--------------|-------------|-----------------|
| Length Overall: | 310 ft 94.5 m | Beam: | 64 ft 19.5 m | Depth: | 25.5 ft 7.77 m |
| GRT (ITC): | <6,000 | Net: | | Max Draft: | 19.92 ft 6.07 m |
| Classification: | ABS | Flag: | US | Min Draft: | 11.50 ft 3.51 m |
| Classification ID: | TBD | O.N. | TBD | Year Built: | 2014 |
| IMO: | TBD | | | | |
| Notations: | †A1, Offshore Support Vessel, †AMS, †ACCU, †DPS-2, ENVIRO+, GP, UWILD, FFV-1, GFS(Dual Fuel Diesel), Circle E | | | | |
| Certifications | Subchapter I, Subchapter L, SOLAS | | | | |

PERFORMANCE

| | | | | |
|-----------------|-------------|-------------------|------------|----------------------|
| Maximum Speed: | 14.00 knots | Fuel Consumption: | 284 gal/hr | 1,074.7 l/hr |
| Cruising Speed: | 12.00 knots | Fuel Consumption: | 186 gal/hr | 703.8 l/hr |
| Maximum Speed: | 14.00 knots | LNG Consumption: | 393 gal/hr | 1,487.1 l/hr |
| Cruising Speed: | 12.00 knots | LNG Consumption: | 185 gal/hr | 700.0 l/hr |
| | | LNG Capacity: | 78,000 USG | 295.3 m ³ |

MACHINERY

| | | | |
|-------------------|--|-------------------|-----------|
| Main Generators: | 3 x Wartsila 6L34DF | Total Rating: | 7,530 kW |
| Main Propulsion: | 2 x Wartsila FS300-S/WN Azimuthing Propellers in Nozzle | Total Horsepower: | 7,241 HP |
| Bow Thrusters: | 2 x Wartsila | Total Horsepower: | 1,992 BHP |
| Power Generation: | 690V/60Hz/3Phase | | |

CAPACITIES & DISCHARGE RATES

| | | | |
|------------------|--|------------------|---|
| Deadweight: | 5,312 Lt (.est) 5,398.8 Mt | Cargo Deck Area: | 190.5 ft x 55.0 ft 10,480 ft ² 58.1 m x 16.8 m 974.1 m ² |
| Deck Cargo: | 4,500 Lt (.est) 4,573.5 Mt | | |
| Deck Strength: | 1,000 lbs/ft ² 5 t/m ² | | |
| Drill/Rig Water: | 621,237 USG 2,351.6 m ³ | Discharge Rate: | 750 GPM 170.3 m ³ /hr |
| Liquid Mud: | 18,000 Bbls 2,861.8 m ³ | Discharge Rate: | 1,000 Bbl/hr 159.0 m ³ /hr |
| Fuel: | 253,194 USG 958.4 m ³ | Discharge Rate: | 750 GPM 170.3 m ³ /hr |
| Methanol: | 1,613 bbls 256.4 m ³ | Discharge Rate: | 250 GPM 56.8 m ³ /hr |
| Dry Bulk: | 10,250 ft ³ 290.2 m ³ | Discharge Rate: | 80 psi 6 bar |
| Potable Water: | 16,730 USG 63.3 m ³ | | |

Fire Monitor: 2 x 5,284 GPM 1,200.1 m³/hr

ELECTRONICS

Kongsberg K-Pos 21Green DP, 3 X Kongsberg SeatexDGPS Systems, 3 X C. Plath Navigat XMk1,Mod , 10, 1 X Cyscan Laser : 1 X RADIUS 1000Triple: 3 XDGPS Inputs, Kongsberg C-Joy, (2) Furuno FAR2137-12 S band / Furuno FAR2117 X band, Furuno FE700, Furuno DS-80, Furuno RC1800T, Furuno FS-2571-C / Furuno FS-1503, Furuno FELCOM15STD-C, Furuno FNX-700P, Furuno IC-307

ACCOMMODATIONS

19 air conditioned/heated staterooms for 42 person(s) berthing total. The rooms are configured as follows:
2 air conditioned staterooms for 1 person(s) berthing each. 14 air conditioned staterooms for 2 person(s) berthing each.
3 air conditioned staterooms for 4 person(s) berthing each.
1 x Lounge, 1 x Conference/Internet Room

SPECIAL FEATURES

| | | |
|--------------------|------------------------------------|---|
| Liferafts: | 4 X 25 Man USCG and SOLAS Approved | DPS Hydro-Acoustic Well |
| Fast Rescue Craft: | 1 Shart Harding with 40 hp Motor | Computerized Tank Level Indicator System |
| Foam Capability: | 30 minutes of foam capability | Incinerator, Water Maker |
| Stores Crane: | 1 x Green Marine Telescoping | Max Lift @ Max Rac 1,500 Lbs @ 27 ft 680.4 kg @ 8.2 m |

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