



# Energy 13501

## U.S.C.G. Certified Double Hull Oil Barge

### DIMENSIONS AND REGULATORY INFORMATION

**Length:** 445.0 Ft      **Beam:** 78.0 Ft      **Draft:** Unmanned: 28.5 Ft      Manned: 27.7 Ft

**Certification:** USCG Subchapter "D", Oceans, Grade "A" and Lower Products      **O.N.:** 1166603

**Classification:** American Bureau of Shipping +A1 Unmanned Oceans, Manned Special Service      **Home Port:** New Orleans , LA

**ABS ID:** 146403

**Hull No.:** 338

**Yard:** Leevac Shipyard

**Year Built:** 2005

### CAPACITIES AND DELIVERY RATES

**Deadweight:** 19,683 LT (Unmanned Oceans Loadline), 18,908 LT (Manned Special Service Loadline)

**Cargo Tanks, Single System Configuration:** Twelve (12)      **Cargo Tank Capacity, Max:** 135,380 Bbls.

**Tank Segregation:** Two System Split via Double-Blocked Valves; Multiple Splits Possible      **Cargo Tank Capacity, Max @ 1' Ullage:** 132,020 Bbls.

**Tons per Inch Immersion:** 77 LT/In.      **Vessel Fuel:** One (1) Integral Tank - 25,400USG

API Gravity at 60° F	Observed Temperature, ° F					
	100	120	140	160	180	200
10	121,089 27.7	121,089 27.7	121,089 27.7	121,089 27.7	121,089 27.7	121,089 27.7
12	122,801 27.7	122,801 27.7	122,801 27.7	122,801 27.7	122,801 27.7	122,801 27.7
14	124,512 27.7	124,512 27.7	124,512 27.7	124,512 27.7	124,512 27.7	124,512 27.7
16	126,224 27.7	126,224 27.7	126,224 27.7	126,224 27.7	126,148 27.7	125,197 27.5
18	127,935 27.7	127,935 27.7	127,935 27.7	127,019 27.5	126,042 27.4	125,079 27.2
24	129,897 27.2	128,854 27.0	127,811 26.9	126,768 26.7	125,739 26.5	124,709 26.4
<b>KEY:</b>	Volume		Volume listed in Barrels.		Draft listed in Feet, Manned Special Service Loadline, One Foot Ullage.	

### HOSE MANIFOLDS

**Cargo Manifold Connections:** Two (2) at Port/Stbd Midship      **Connection Flange Size:** 10-Inch ANSI Flange

**BCM:** 252 Ft. - Port, 233 Ft. - Stbd.      **SCM:** 195 Ft. - Port, 214 Ft. - Stbd.

### MAIN AND AUXILIARY MACHINERY

**Main Cargo Pumps:** 2 x Leistriz Deep Well, Positive Displacement      **Rated Performance:** 5,000 BPH Each @ 100 PSI Rail

**Pump Prime Movers:** 2 x Vertical, Explosion-Proof Electric Motors      **Discharge Rate:** 10,000 BPH Total @ 100 PSI Rail

**Heater:** Volcanic 10,000,000 BTU circulating hot oil heater      **Horsepower:** 500 HP Each

**Electrical Generators:** 3 x CAT 3412 IMO-Compliant      **Rating:** 500 KW Each

**Bow Thruster:** 1 x Brunvoll FU-63-LTC-1750      **Rating:** 1200 HP

**Mooring Winches:** Four (4) Constant Tension

**Hose Cranes:** Midship P&S Hydraulic Hose Cranes      **Hook Load Rating:** 5,000 lbs

### SPECIAL FEATURES

OPA '90 Compliant, Double-Hull Steel Construction, Fore/Aft (P&S) Yokohama Fenders w/Winches and Slides, Quarters w/Accommodations for Four (4) persons, Ballast System, Centralized Remote Gauging w/High Level Alarms, Overfill Shutdowns, Heating Coils, VHF Radio, Email Capabilities