

## POET – Hull 1513 & 1514

**About 3,500 DWT/ Platform Supply/ Oil Recovery/ Safety Standby/ DP2 Call sign: TBA**

### Principal Particulars:

Flag	: TBA
Year Built	: 2013
Port of Registry	: Belize
Place Built	: POET Shipbuilding & Engineering Pte Ltd
Length Overall	: 78.00 m
Length B.P.	: 70.20 m
Freeboard Length	: TBA
Beam Overall	: 18.60 m
Depth Moulded	: 7.80 m
Design Draft	: TBA
IMO No.	: TBA
Official No.	: TBA

### Classification:

ABS +A1(E) Offshore Support Vessel, Oil Recovery Capability  
Class I, Safety Standby Service Gr. B-(145), Fire Fighting Class 1,  
+AMS +DPS-2

### Capacities:

Gross Tonnage	: TBA
Net Tonnage	: TBA
Deadweight	: abt 3,500t
Fuel Oil Cargo	: 950 m <sup>3</sup>
Potable Water	: 500 m <sup>3</sup>
Drill Water	: 1,100 m <sup>3</sup>
Base Oil	: 200 m <sup>3</sup>
Methanol	: 280 m <sup>3</sup>
Mud/Brine Tank	: 700 m <sup>3</sup> (SG2.5)
Recovered Oil	: 700 m <sup>3</sup>
Dry Bulk	: 250 m <sup>3</sup>
Deck Cargo Area	: abt 785m <sup>2</sup>
Deck Cargo	: TBA
Cargo Deck Load	: 7.5t/m <sup>2</sup>

### Speed/Fuel:

Performance Speed : 12.3 kts at trial condition, 100% MCR,  
at design draft & sea state two(2)

### Cargo Discharging Rates:

Potable/Drill Water	: 1 x 100m <sup>3</sup> /hr @ 80m head
Fuel Oil	: 1 x 10m <sup>3</sup> /hr @ 20m head
Methanol	: 2 submersible pumps 50m <sup>3</sup> /hr@80m head
Mud/Brine Tank	: 1 x 75 m <sup>3</sup> /hr, 20bar @ mud sg2.5t/m <sup>3</sup> ; 1 x 100 m <sup>3</sup> /hr, 5bar @ O.R.O. sg1.0t/m <sup>3</sup>

2 x Flow meter for main engine fuel consumption.

Cargo Flow meter to be installed on the board, 1 x cargo fuel oil, 1  
x cargo potable water, 1 x drill water.

### Accommodation:

Accommodations for 50 men composed of:

6 x 1 man cabins; 6 x 2 man cabins; 8 x 4 man cabins

### Machinery & Equipment:

Main Diesel	: 2 x Niigata engine 8L28HX, 2,206kW each, 750rpm. With front PTO for fire pumps, Run on MDO
Generators	: 4 x 640kWe diesel driven alternators (440V/3/60Hz). Caterpillar
Emergency Generators	: 1 x Caterpillar, radiator/air cooled, rated approx. 99kW(440V/3/60Hz)
Main Propulsion	: 2 x ZP-41A, Driven by main engine, Z drive Control at wheelhouse aft & forward control station

### Deck Equipment:

Rescue Boat	: 1 x MOB boat
Deck Cargo Crane	: 1 x electro-hydraulic crane, 5.0T SWL @ outreach 10m.
Anchor Windlass	: 2 sets x electro hydraulic anchor windlass
Stockless anchors	: 2 x AC-14 HHP, stowed in anchor-pockets, each of 2,640kg
Tugger winch	: 2 x tugger winches, 10t SWL at 12m/min
Capstan	: 2 x electro-hydraulic at main deck aft (P&S)
Reefer plugs	: 2x440Vx3phx60Hz for power (motor), 2x220Vx1phx60Hz for lightings & power less than 3kW to be installed at fwd of cargo deck for connection of reefer containers.
Gas Detector	: 2 x portable instruments suitable for detecting flammable vapour concentrations. 5 fixed stations on decks, with (audio-visible) alarm indication unit to be at wheel house.

### Dynamic Positioning System (Class 2):

The vessel equipped with dynamic positioning system to class requirement for DPS-2 notation.  
The control of the DP shall be at aft wheelhouse console with the independent joystick system.  
Independent Joystick System (IJS) in accordance with class requirements.

The DP system consists of:

Duplex workstations with 2 control & field cabinet

1 x laser beam system

VRU/MRU to DP-2 requirement

1 or 2 x DGPS; 2 x UPS; 1 x Printer; 1 x Laptop PC; 1 x changeover switch (DP/IJS/manual  
control)

### Oil Pollution Control:

Oil Dispersant System: 2 x spray booms x 6m length, complete with dispersant pump.

### Electronics, Navigation & Communication Equipment:

Autopilot	: 1 unit
Gyrocompass	: 3 units, with repeaters forward & aft, Maker: Sperry
Inmarsat System	: 1 x Inmarsat 'C' is to be fitted (as included in NBDP)
EPRIB, GMDSS satellite	: 408 MHz EPRIB
SART	: 2 sets, GMDSS 9GHz
TV Antenna	: 14 outlets
Integrated telephone/ command system:	: 1exchanger, 48 line max.
1 Helicopter beacon	
Portable loud hailer	: 2 units
PA/Talkback system	: 1, throughout the ship, main control station in wheelhouse
GMDSS Communication (Sea Area 'A3')	

