



# ITB Subsea

ITB Marine Group



## Oceanic Surveyor

A multi-use survey and research ship with ample deck space to mount specialized Scientific Research Equipment, ROVs and A-Frames

### General:

**Built by:** Allied Shipbuilding

**Year Built:** 1984

**Canada Steamship Inspection:** March 2013

**Steering Stations:** Two - Bridge & Aft

Deck /Wagner Model Electro-Hydraulic

**Decks:** Steel

**Hull:** Steel (Double Chine)/Aluminum Superstructure

**Ribs:** Steel

**Mast:** Aluminum Plate

**Principal Dimensions:** 87'7" x 23'9" x 10'8"

**Rolling Chocks**

**Propeller Guards**

**Accommodation:** Sleeps ten in six cabins

**Head:** Two / **Shower:** Two

### Deck and Laboratory Space:

**Holds:** Aft storage hold for equipment and supplies

**Main Deck Aft:** Aft Deck has lock points installed for 2 - 20ft. or 2 - 10ft. or one 20ft. plus one 10ft. container

**Moon Pool/Sonar Tube:** Through Hull Hydro phone for acoustic tracking

### Firefighting & Lifesaving:

Firefighting and extinguishing equipment for Class "H" ship

Safety Boat with 15 HP Outboard

**Life Raft:** Beaufort 16 man, 10 survival suits

**Bilge Pump:** Self priming, electronic driven pump rated at 600 liters/ minute

**Fire Pump:** Electric driven rated at 250 liters / minute

### Machinery Propulsion:

**Engine Model:** Twin Cat 3480

**HP:** 365 each

**Reduction Gear:** Twin Disc MG-514 reverse reduction gear - rated at 365 hp at 1800 rpm

**Air Compressors:** 2 Quincy Model 325LL

**Generator:** two - Cat 3306 - 40kw each

### Electrical Capability:

**Operating Voltage:** 240 / 110 volt - 3 phase

**Shore Power:** 240V 60 Amp shore power serving entire ship.

**Batteries:**

**Engine room:** 2 sets 24V

**Wheelhouse:** 12V DC System (model 8D)  
24V DC System

### Deck Machinery:

**Winches:** Tender winch (Manual 400 lbs)

**Deck Crane:** Hiab model sea crane 360

**Hydraulic Pumps:** Generator engines each have a PTO with hydraulic pump for use on crane and windlass

### Electronics:

**Accessories:** Raytheon 350 Loudhailer / Wind speed indicator CCTV to aft deck

**GPS:** Furuno G.P.S. -GP37

Furuno D.G.P.S. -GP37

**Radio VHF:** Ross Digital DSC 500

VHF: Radio - C156

4 only - Handheld UHF Radios

**Radar:** Raytheon RL80C

Decca Bridge Master

**Sounder:** Furuno FCV 665

**Autopilot:** Comnav - 2001

**Compass:** Sperry SR 120 Gyrocompass

**Barometer:** Aneroid

**Sonar:** Wesmar

**AIS:** Furuno A.I.S. - FA 150

**Internet**

### Capacities:

**Fuel Type:** Diesel

**Fuel Consumption:** 40 Liters/hr per engine  
**Cruising Speed:** 11 Knots - Full Speed 12.2 knots

**Cruising Range:** Hours: 2700

**Number of Fuel Tanks:** Four (2 Aft 2 Fwd)

**Total Cap:** 36000litres

**Tank Material:** Steel

**Lube Oil Tank:** 250 liters

**Black Water Holding Tank:** 250 gallon steel

**Water Tanks:** Two (fresh water/non potable). Steel capacity 13206 liters/5486 liters

**Hot Water:** Two 30 gallon glass lined automatic electric hot water units.

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