

# ATB: ISLAND RAIDER and ITB RESOLUTION



Island Tug and Barge Ltd. presents the first of two new coastal articulated tug barges. The most advanced technology and innovative mechanics in the industry today are incorporated in the design of the *Island Raider*.

The *Island Raider* is paired with the 25,000 barrel petroleum tank barge, *ITB Resolution*, to provide safe and efficient marine transportation.

## ISLAND RAIDER

### Registration

**Vessel Type:** Articulated Tug Barge  
**Mission:** Coastal ATB Push Tug  
**Built:** Island Tug, Annacis Island Shipyard  
**Designer:** Robert Allan Ltd.  
**IMO Number:** 982360  
**Flag:** Canada  
**Owner:** Island Tug and Barge Ltd.  
**Port of Registry:** Vancouver, BC

### Dimensions | Capacities

**Length, Overall:** 25 m / 82'  
**Breadth, Moulded:** 12.5 m / 41'  
**Full Load Draft:** 3.2 m / 10'-6"  
**Height of Eye:** 12.2 m / 40'-0"  
**Bridge Clearance:** 21 m / 69'-0"  
**Loaded Displacement:** 943.8 t  
**Loaded Draft:** 4.97 m / 16.3

### Propulsion

**Engines:** 2 x Cummins KTA 38M 634 KW  
**Propulsion:** Rolls Royce US105 FP Azimuthing Thrusters (Kaplan Style, 1600mm, 4 blade)  
**BHP:** 850 HP each / total of 1700 HP

**Propulsion Controls:** Rolls Royce Aquapilot Control System

**Bollard Pull:** 21 MT

**Vessel Speed:** 9 knots

**Generators:** 2 x John Deere 4045 AFM85, 99KW 480 VAC 3 Phase

### Capacities

**Potable Water:** 14.4 m3 (3,800 US Gallons)  
**Fuel:** 99.8 m3 (26,365 US Gallons)

### Navigation Gear: All JRC and Alphanon

Radar  
Electronic Chart Display  
Compass  
AIS  
E-Nav Software  
Autopilot  
Radio  
Satellite / GPS

### Special Features

- Interior Articouple Hydraulic Connection Pin System
- Anchor Winch: Burrard Type E3W Electric
- Davit: Palfinger Ned-Desk Model SCH 12-3.5R
- Fenders: Schuyler Rubber Co. Weld on Laminated Type
- Kidde Fire Systems FM200 3 x 350 lb. Cylinders

**Island Tug and Barge a subsidiary of Tidewater Canada, Inc**

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## ITB RESOLUTION

### Registration

**Vessel Type:** Oil Tank Barge

**Built:** 2007

**Builder:** Penglai Boai Shipyard, China

**Hull:** Double Hulled

**Official Number:** 831000

**IMO Number:** n/a

**Flag:** Canada

**Owner:** Island Tug and Barge Ltd.

**Port of Registry:** Vancouver, BC

**Gross Tonnage:** 2414 t

**Net Registered Tonnage:** 966 t

**Dead Weight Tonnage:** 3700 t

### Classification

Transport Canada Class A Oil Barge,

American Bureau of Shipping A1 Oil Tank Barge

### Dimensions | Capacities

**Length, overall:** 77.96 m / 255.8'

**Breadth, moulded:** 20.15 m / 66.1'

**Depth, moulded:** 6 m / 19.7'

**Lightship Displacement:** 1274 t

**Lightship Draft:** 1.2 m / 3.9'

**Lightship Air Draft:** 12.95 m / 42.4'

**Full Load Displacement:** 5190 t

**Full Load Draft:** 3.95 m / 12.9'

**Oil Tank Capacity:** 4200 m<sup>3</sup> @ 95%

**Cargo Tanks:** 12

**Bow to Center of Manifold:** 40 m

### Pumps

4 Goulds Centrifugal, 400m<sup>3</sup> / hr

### Main Machinery

**Bow Thruster:** 300kW pump jet bow thruster

### Special Features

- Double Hulled OPA 90 compliant
- Tank radar remote monitoring and ullaging system connected to central cargo management computer
- Rising Stick Fill Indicators
- Alarmed high level and overfill protection
- Closed Loading Vapour Recovery
- Fire detection and alarm system
- Machinery room fixed fire protection system
- International load line for unrestricted ocean service
- Onboard containment boom, skimmer and other oil spill containment equipment
- Quality Control Lab



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