



**TIDEWATER
CANADA**

ATB: ISLAND RAIDER AND ITB RESOLUTION



Tidewater Canada 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: Tidewater Transportation Canada, Inc.
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 ALPHATRON

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

TIDEWATER CANADA

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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: Tidewater Transportation Canada, Inc.

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 m³ @ 95%

Cargo Tanks: 12

Bow to Center of Manifold: 40 m

PUMPS

4 Goulds Centrifugal, 400m³ / 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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