



**TIDEWATER  
CANADA**

# ISLAND MONARCH AND ISLAND TRADER



A proven offshore tug of 3000 horsepower, the *Island Monarch* is primarily engaged in pushing and towing of Tidewater Canada's large oil barge fleet.

In 2003, the *Island Monarch* underwent a conversion to an articulated pin system with advanced high lift rudders and upgrades for foreign-going service, and was paired with the double hulled *Island Trader*.

## REGISTRATION

**Vessel Type:** Tug  
**Built:** 1966 **Rebuilt:** 1995  
**Builder:** Star Shipyards New Westminster  
**Classification:** Transport Canada  
 Unlimited Voyage  
**IMO Number:** 6608414  
**Official Number:** 326548  
**Radio Call Sign:** CFL 4938  
**Flag:** Canada  
**Owner:** Tidewater Transportation Canada, Inc.  
**Port of Registry:** Vancouver, BC  
**Gross Tonnage:** 453.91 t  
**Net Registered Tonnage:** 136 t

## DIMENSIONS | CAPACITIES

**Length, overall:** 41.45 m / 136'  
**Breadth, moulded:** 9.75 m / 32'  
**Depth, moulded:** 5.65 m / 18.2'  
**Lightship Displacement:** 506.41 t  
**Loaded Displacement:** 943.8 t  
**Loaded Draft:** 4.97 m / 16.3'

## PROPULSION

**Engines:** 2 x EMD 8-645 E7 / 3000  
**Propulsion:** Twin screw, fixed nozzles  
**BHP:** 3000  
**Bollard Pull:** 42 t

**Vessel Speed:** 13 knots  
**Generators:** 2 x Cat D3306 TA 170 kw 1 x GM 871 Hyd  
**Consumption:** 10.8 t/day

## DECK MACHINERY

**Towing Winch:** Burrard Iron Works Double Drum  
**Tow Lines:** 2500' x 2", 6 x 26 Galvanized Wire

## CAPACITIES

**Potable Water:** 40 m3  
**Fuel:** 300 m3  
**Accommodations:** 10 total

## ELECTRONICS

**Auto Pilot:** COMNAV 2001  
**Radar:** 1 x Furuno FR7041, 1 x Furuno FR1941  
**Radio:** VHF DSC - 1 x Sailor 6222; VHF - 1 x Sailor 6248;  
 MF/HF - 2 x Sailor  
**GMDSS Coverage:** Area A3  
**Satellite Communications:** 1 x Qual-comm  
**GPS:** 1 x Furuno GP 30  
**ECDIS:** Computer-based NAVSIM  
**AIS:** 1 x Furuno FA100

## SPECIAL FEATURES

- Intercon C Series ATB pin coupler
- Equipped with high speed RIB rescue craft
- Additional elevated wheelhouse with 30 ft. height

**TIDEWATER CANADA**

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# ISLAND TRADER



The *Island Trader* is a double hulled, IMO compliant, Class A OPA 90 oil tank barge having an aggregate capacity of 65,000 barrels at 90% carried in twelve separate cargo tanks.

Designed as a dedicated Articulated Tug Barge Unit, the barge achieves speeds of 11 knots full loaded and is capable of pushing in sea conditions up to 12 metres.

## REGISTRATION

**Vessel Type:** Oil Tank Barge  
**Rebuilt:** 2003  
**Builder:** Jinling Shipyard Nanjing China  
**Hull:** Double Hulled  
**Official Number:** 822069  
**IMO Number:** 8645894  
**Flag:** Canada  
**Owner:** Tidewater Transportation Canada, Inc.  
**Port of Registry:** Vancouver, BC  
**Gross Tonnage:** 5320 t  
**Net Registered Tonnage:** 2910 t  
**Dead Weight Tonnage:** 9250 t

## CLASSIFICATION

Transport Canada Class A Oil Barge,  
 Arctic Class A1  
 American Bureau of Shipping  
 A1 Oil Tank Barge

## DIMENSIONS | CAPACITIES

**Length, overall:** 112.4 m / 368.7'  
**Breadth, moulded:** 21 m / 68.9'  
**Depth, moulded:** 9.6 m / 31.5'  
**Lightship Displacement:** 2790.47 t  
**Lightship Draft:** 2.416 m / 7.9'  
**Lightship Air Draft:** 19.52 m / 64'  
**Full Load Displacement:** 11825.71 t

**Full Load Draft:** 6.402 m / 21'  
**Full Load Air Draft:** 15.342 m / 50.3'  
**Oil Tank Capacity:** 10500 m<sup>3</sup> @ 95%  
**Cargo Tanks:** 12  
**Bow to Center of Manifold:** 63m

## PUMPS

4 Goulds Centrifugal, 600m<sup>3</sup>/hr

## MAIN MACHINERY

**Bow Thruster:** Schottel SPJ 132, 800 hp, 360 degree

## SPECIAL FEATURES

- Double Hulled OPA 90 compliant
- Tank Radar remote monitoring and ullaging system connected to central cargo management computer - Saab
- Centralized control and monitoring with all barge functions remote operated
- Rising Stick fill indicators
- Alarmed overfill protection - Saab
- Alarmed over-pressure protection - Saab
- Closed Loading
- Vapour Recovery Vent System 7
- Quality Control Lab
- Articulated Pin Style Pushing System by Intercon
- Ice Classed and strengthened for use in Arctic Class A1
- Lock and canal compliant
- Coated cargo tanks for chemical carriage

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