



ATLANTIC HEMLOCK SPECIFICATION

Z Drive Reverse Tractor Tug

REGISTRATION

- Built: East Isle Shipyard Ltd., PEI, Canada
- Flag: Canadian
- Official Number: 816107
- Port of Registry: Saint John, NB, Canada
- Commissioned: 1996

CLASSIFICATION

- Lloyds + 100A1 Tug

DIMENSIONS

- Length, overall: 29.49 m
- Breadth, moulded: 11.14 m
- Depth, moulded: 5.21 m
- Design Draft: 4.78 m
- GRT: 388 t
- NRT: 116 t

PROPULSION

- Engines: 2 x Caterpillar
- Z-Drives: 2 x Aquamaster
- Generators: 2 x CAT 3306, 170 kW, Diesel Generators, 440v – 60cy – 165 kW
- Economical Speed: 10 knots (Maximum Speed: 12-13 knots)
- BHp: 4004 Hp
- Bollard Pull: 50 t

DECK MACHINERY

- Line Winch: Burrard HF, Single Drum Self Spooling
Electric 400 ft of 3" Amsteel Blue, Mid-Drum Brake, 108 T,
Warping Head STBD
- Tow Winch: Burrard HJ, Single Drum Self Spooling
Electric 2500 ft of 2" wire, Mid-Drum Brake 108 t
- Tugger Winch: Burrard M2E
- Capstan Anchor Windlass: Burrard E4G Electric
- Stern Roller: Western Machine Works, 60" long x 21" diameter
Tow Pins c/w hold down hook

CAPACITIES

- Deck Cargo: 58.2 t
- Potable Water: 19 t
- Fuel: 201 t



ELECTRONICS

- 2 Radars "X" Band, 1 Radar "S" Band
- Magnetic Compass, Gyro Compass & Auto Pilot
- GMDSS Area 3, GPS and Electronic Charts
- Echo Sounder: Si-tec CVS 106 200 khx
- Navtex Receiver: Lakata Navtes-2
- VHF Radios: 2 x Sailor TR 2048
- VHF, DSC Radio: 1 x Sailor RM 2042
- HF, SSB: 1 x Sailor Compact 2100
- Watch Keeping Receiver: 1 x Sailor R 5011, 2182 khx

SPECIAL FEATURES

- Two independent power trains
- Two independent fuel treating systems
- Two independent generating plants with automatic changeover
- Battery power back-up sufficient for six hours
- Man overboard recovery system

Z-DRIVE

- Exceptional maneuverability
- Control over tug positions and direction is highly accurate
- Thrust is almost equal over 360/4
- Tugs can rapidly change from "push" to "pull" mode
- Risk of girting eliminated
- High speed with effective thrust on the side of the moving ship

ACCOMMODATION

- 7 total

Specifications are subject to change without notification.