



# Dodo

**Home Port:** Anacortes, WA

**Owner(s):** Paul and Emily Hylton

**Phone:** (360) 293-7097

**Email:** paul.hylton@hotmail.com



## Hull:

**Type:** South Puget Sound tugboat

**Purchased:** 2008

**Launched:** 1934 in Potlatch, WA

**Hull Builder:** Harold R. Lanning Sr.

**Material:** Fir and oak

**LOA:** 37 feet

**LWL:** 33 feet

**Beam:** 10 feet

**Beam Waterline:** 8.5 feet

**Draft:** 3.5 feet

**Capacity:** up to 12 passengers

**Speed:** up to 7.5 knots

**Weight:** 15,000 lbs.

## Engine:

**Type:** Compound

**Built:** 1918

**Builder:** US Navy Type K

**Number of Cylinders:** 2

**Bore & Stroke:** 3.75" & 7.75" x 6"

**Valve:** HP piston. LP slide.

**IHP:** up to 20

**RPM:** up to 325

**Reverse Type:** Stephenson

**Condenser Type:** Keel

**Condenser Size:** 7 sq. ft.

**Vacuum:** 23" Hg

## Propulsion:

**Diameter & Pitch:** 30" x 38"

**Number of Blades:** 3

**Material:** Bronze

**Make:** Michigan Dyna-Jet

**Right or Left Hand:** Right Hand

**Shaft Size:** 1.75" Monel

**Steering:** Hydraulic

**Auxiliaries:** Knowles No. 000

simplex feed 2.5" x 1.25" x 2.25"

## Boiler:

**Type:** Three-drum Roberts/B&W

**Bhp:** N/A

**Overall Size:** 41" L x 34" W x 56" H

**Heat Surface:** 130 sq. ft.

**Fuel:** Wood

**Pump Types:** Hypro and Knowles feed. Navy K condensate.

**Builder:** Under Pressure Mfg.

**Operating Pressure:** 150 psi

**Number of Tubes:** N/A

**Economizer HS:** 12 sq. ft.

**Grate Area:** 3 sq. ft.

**Injector Type:** 3/8" Penberthy

**Year Built:** 2013

**Gauges:** Main steam and vacuum

**Size of Tubes:** N/A

**Superheater HS:** N/A

**Stack Dia. & Height:** 10" x 8' (hot)

**Tanks:** 80-gallon water

## Other:

Engine is US Navy Type K #1567 originally installed in 1934 by Harold Lanning, Dodo's designer, builder, and first owner. Lanning named his boat Dodo because, as he often said while building it, "Steamboats will be extinct by the time I get it done!"

Boiler designed by Paul Hylton, engineered by Dave Hylton, and built by Under Pressure Manufacturing, Arlington, WA. Three-drum Roberts with B&W style generating tube banks sloped 15 degrees. Seamless A106B used for 12" steam drum, 4" mud drums, and 1" tubes.

Dodo cruises at 6.2 knots turning 240 rpm at 150 psi burning 60 lbs. of wood an hour.

Dodo's 2014-2015 re-steam story: [Emerald Marine Carpentry: The Restoration of DODO: A Classic Puget Sound Steamer](#)

