



Tenacious



Home Port: Issaquah, WA

Owner(s): Doug & Darcy Brookens

Phone: (425) 392-7870

Email: douganddarcy@gmail.com

Hull:

Type: Fantail

Purchased: 2007

Launched: 2008

Hull Builder: Thayer & Co.

Material: Fiberglass

LOA: 19 feet

LWL: 17 feet

Beam: 5.5 feet

Draft: -

Capacity: 5 Adults

Speed: 5 knots

Weight: 1500 lbs.

Engine:

Type: Compound

Built: 2007

Builder: Owner

Number of Cylinders: Two

Bore & Stroke: 2.5" + 3.75" x 2"

Valve: "D" Slide

IHP: 4

RPM: 350

Reverse Type: Stephenson

Condenser Type: -

Condenser Size: -

Vacuum: -

Propulsion:

Diameter & Pitch: 17" x 25"

Number of Blades: Three

Material: Bronze

Make: Peterson

Right or Left Hand: Right Hand

Shaft Size: 1.125" Dia.

Steering: -

Auxiliaries: -

Boiler:

Type: Wet Leg Vertical Fire Tube

Bhp: 5

Overall Size: 21" x 28"

Heat Surface: 19.8 Sq. Ft.

Fuel: #2 Diesel

Pump Type: Hypro

Builder: Owner

Operating Pressure: 145 psi

Number of Tubes: 104

Economizer HS: 0.375" Copper Tubing

Grate Area: N/A

Injector Type: Role Model #2

Year Built: 2007

Gauges: -

Size of Tubes: 13.5" x 0.5"

Superheater HS: None

Stack Dia. & Height: 8" Dia. x 5'

Tanks: Diesel

Other: This was the owner's first steam project. Work on the hull and equipment was started in the Fall of 2007 and *Tenacious* was steaming in early May, 2008. I received a lot of help and support from a great group of steamers who call themselves Hobart Car & Foundry.

With the help of HC&F, the fore and aft compound was built from a set of [Reliable Steam Engine Co.](#) castings. He has modified the original design by adding an inch to frame height, and a Stevenson link for reverse. The boiler, is firing with a Beckett ADC burner at 1.25 gal/hr.

