

# **Shallow Draft Tow Boat Pittsburgh, PA**

## **"Gracie S."**

### **Best Reasonable Offer Accepted**



An all-steel, all-welded shallow draft towboat of distinctive design. Originally designed and built by the U. S. Navy, she was called a "Causeway Section Powered." This towboat is quite a bit different from the average river towboat for several reasons. First, her scantlins are very heavy. Second, she is made up of six modular smaller hulls bolted together. While powered by conventional diesel engines, this towboat's thrust is provided by 360 degree rotational capability, high volume water jets. Her bow is raked and fitted with steel towknees for push towing. Her stern is shallow due to the hull design around the water jet. There are no crew's quarters or galley aboard. The pilothouse is a narrow vertical structure at the top of which is the operating station containing electronics, clutch and throttle (Morse cable) controls and engine monitoring gauges. There is a bilge level alarm and each module has its own automatic bilge pump. **Vessel Particulars:** Name: Gracie S., **Dimensions:** Length 39.17', Breadth 21.33', Depth 5.0'. **Displacement:** 50 S. tons (approximately). **Height of Eye:** 14'-6". **Main Engines:** Two Detroit Diesel 8V-71 diesels with turbochargers. **Gears:** Allison marine reduction gears. Starts by hydraulic accumulator. Engine exhausts are lagged. **Fuel Tank:** One stainless steel 640 gallon diesel fuel tank. **Hydraulics:** Stainless steel 55 gallon hydraulics tank. **Electrical System:** Four (4) 12 volt batteries powering lights and other electrical apparatus. **Combination Radar and GPS System Aboard.** **Fire Detection System:** Two 50 pound CO2 bottles connected to a fixed system. **Deck Fittings:** Kevels or Cleats arranged along each gunwale. **Horn** – Works (loud), All necessary Navigation Lights. Two VHF Marine radios. **Towing Arrangements:** Two manual winches on the foredeck. **Safety Items:** Handrailing around pilothouse. Safety chains and stanchions around perimeter of deck. All walking surfaces are coated with a slip proof surface. This boat has been professionally coated externally. Internally, her coating is as original, i.e. excellent. **River Trials:** On this day, the boat was operated on the Monongahela River. She was run through a full range of engine rpms, ahead and astern. Her steering was found to be superb and the boat was turned 360° in a tight circle. Remember, there are no propellers or rudders, only high volume water jets with 360° capability. Furthermore, at full throttle, she was made to steer hard to starboard and her heel angle was very small. Because she is modularized, she is a seaworthy craft. Access hatches on deck are similar to those used in submarines, i.e. gasketed grooves and lids secured with a bayonet mechanism. In the opinion of the undersigned, this towboat "Gracie S." is tight and sound; well and sufficiently powered and equipped. "Gracie S." is fit for her intended service and is a very good insurance risk Spare Engine and nozzle included (new).

**\$230,000.00 Can be dismantled and easily shipped by truck**

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