

Abstract

The GAT Group routinely conducts field tests on various hull types and materials as an ongoing effort to measure (in situ), the performance of the Hull Shield ultrasonic anti-fouling line of products. Test results are used to ensure, and improve, the effectiveness of the technology and product line.

Tests conducted within real-world environments are critical in providing reliable products that perform as intended.

Our most recent project boat is an Aquila 36 Sport Power Catamaran, docked in Mt. Pleasant, South Carolina. Hull Shield systems were installed on the catamaran in the summer of 2021. The boat received no additional bottom cleaning maintenance during the testing period.

The Test Boat

Aquila 36 Sport Power Catamaran

The Aquila Power Sport 36 is an innovative, outboard propelled power catamaran.

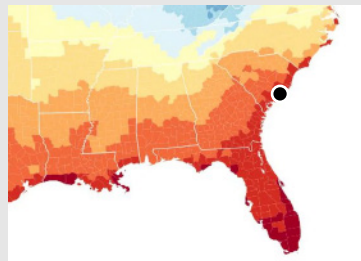


Below: The test boat at location.



Mt. Pleasant, SC

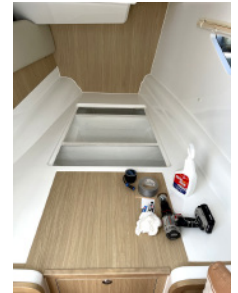
The study is being conducted in Mt. Pleasant, South Carolina, a corner of the South East that receives a high level of sun light along with warm gulf stream waters and ocean temperatures. Marine fouling is exceptionally vigorous in this area due to dense marsh estuaries in the geographical region.



Average Sunlight Intensity (Source: NASA)

Report Log - Installation *June 30, 2021*

On June 30, 2021 the Aquila 36 Sport Power Catamaran was delivered to the testing slip in Mt. Pleasant. Immediately upon delivery, two HS50 2-transducer systems were installed - two transducer mounted inside each hull - a total of four transducers. The Hull Shield controller modules were mounted in the rear hull access near the boat batteries.



Report Log - Haul-Out & Inspection *February 10, 2022*

On February 10, 2022, after 30 weeks in the water with no bottom cleaning maintenance, the Aquila 36 Sport Power Catamaran was hauled for routine scheduled maintenance. Upon haul-out inspection, the hulls were merely coated with a powdery residue, and were free of essentially all marine fouling.

