

Sailing Vessel Vanishing Animal

A SUCCESS STORY

Owner of Vanishing Animal, a sailing vessel docked in San Francisco Bay discovers a potentially dangerous exhaust leak

The Challenge

Tackling the engine compartment in preparation for a weekend sailing trip, Vanishing Animal's owner discovered a light film of black on the alternator and the walls. After replacing the engine belt and cleaning the forward end of the engine and the compartment, the owner continued to check for potential sources of the film.

After starting the engine and crawling into the aft bunk to open the access hatch and look at the aft end of the engine and the heat exchanger, they appeared rusty in spots, but dry. However, after inserting a hand into the aft end of the compartment to feel for leaks, the owner's hand was struck by a blast of hot air. The air was escaping from a small area of about 1/16th inch pinholes on the inside of the main exhaust pipe. The owner also smelled exhaust fumes, most likely the source of the light coating of soot in the engine compartment.

The owner was expecting family to visit from abroad in three days time, including small children, and could not risk not repairing the potentially dangerous exhaust leak.

"Due to the high temperature resistance of Syntho-Glass® it is an excellent repair for exhaust systems..."

The Solution

The owner turned to **Syntho-Glass®** and applied the material to the leak. The seal held and Vanishing Animal enjoyed a successful cruise along the San Francisco waterfront.

Success Overview

Application

Pitted and leaking exhaust system, sailing vessel

Challenges

- Exhaust fumes pose a potentially dangerous risk to occupants of the vessel
- Repair would be subject to extreme temperatures of engine exhaust for extended periods
- Owner had limited time for repair, as a cruise was planned in the near future

Solution

- **Syntho-Glass®** was applied to the leaking exhaust system
- **Syntho-Glass®** water-activated, pre-impregnated cloth successfully seals the leaking line and eliminates dangerous exhaust fumes from entering the vessel