

The United States Coast Guard

A SUCCESS STORY

When a Galveston, Texas based fishing vessel located 100 nautical miles offshore began taking on water, the crew prepared to abandon ship.

The Challenge

As the vessel continued to take on water, four P-1 portable pumps had been airlifted to the stricken vessel. Only three of the pumps were operating and the water flow could not be contained. CGC Point Winslow arrived on the scene with another pump and in thirty minutes five pumps were running to contain incoming water.

Initial problems with the vessel were caused by melting of rubber drive shaft packing, resulting in water breaching the fish hold and then traveling throughout the vessel. The long term repair would require the F/V to be hauled out of the water once safely in port. The short term solution was to turn to **Syntho-Glass®**. The instant repair resin impregnated cloth could patch the shaft packing and save the vessel from disaster.

The Solution

Each Point Class Patrol Boat is required to include 10 (4"x15') and 20 (3"x9') Syntho-Glass® repair kits. Syntho-Glass® is water activated and requires no mixing.

“The Syntho-Glass® system is the only one we trust in high pressure situations. More than just a requirement: It is a demand.”

Syntho-Glass® was wrapped around the shaft log and shaft and set rock hard in minutes, even under pressure from the incoming water flow. Two additional Syntho-Glass® rolls were placed over the first for strength. Syntho-Glass® proved to be a huge success - holding its seal tight on the vessel's shaft for the entire tow to port, saving the vessel from sinking, and preventing any harm to the vessel's crew.

Success Overview

Application

Commercial fishing vessel, breach of drive shaft packing causing water breach

Challenges

- Vessel 100nm offshore
- Water breach uncontainable by pumping alone
- Vessel crew in danger and preparing to abandon ship
- Containment solution must be immediate

Solution

- CGC Point Winslow applies **Syntho-Glass®** instant repair kit to contain the leak
- **Syntho-Glass®** water-activated, pre-impregnated cloth seals the breach and cures completely in minutes, averting a potential disaster