

# Belzona Makes 50 Year Old Sand Filter Pumps Feel Young Again

ID: 9027

Industry: Marine

Application: CEP-Centrifugal Pumps

Substrate: Bronze

Products: Belzona 1311 (Ceramic R-Metal), Belzona 1331

Customer Location: Galveston, Texas

Application Date: 2022

## Problem

These 50 year old pumps were getting very close to their end of life from sand filtering water service aboard tow boats in the brown waters in the Gulf of Mexico. The client did not want to re-design a new system due to the pumps not being made for the last 15 years by the manufacturer.



Casing showing signs of extreme erosion from years of sandy water service.



Backing Plate showing signs of extreme erosion from years of sandy water service.



Freshly rebuilt and coated casing ready for more years of service.



Backing plate feeling young again after being rebuilt and coated.

## Application Situation

Belzona was approximately 1/8th of the cost per pump of re-designing and ordering a new pumping system for every boat. The client also was able to put each pump set back in service 3 days from dropping them off.

## Application Method

The pumps were brought to the shop, de-salted, blasted to above a 3-mil average, rebuilt with 1311 and coated with two coats of 1331.

## Belzona Facts

The client chose Belzona due to already having done many successful firewater pump repairs with 1121 and 1341. These pumps were discontinued and would have been a tremendous amount of capital to re-design for new systems. After success with the first two pumps on Boat #1, over 20 have now been coated with 24 more scheduled for the same Belzona treatment.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015  
FS 695214  
ISO 14001:2015  
EMS 695213

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