

# Backup Generator - Diesel Tank Restoration With Belzona

ID: 8498

Industry: Power

Application: RPA-Roof Problem Areas

Substrate: Carbon Steel

Products: \* Belzona 1121 (Super XL-metal) ,  
\* Belzona 4911 (Magma TX- conditioner ,  
\* Belzona 4131 (Magma Screed) ,  
\* Belzona 5811 (Immersion grade) ,

Customer Location: Florida

Application Date: 2/16/2021

## Problem

Water and rust were getting into the fuel system putting equipment at risk.



## Photograph Descriptions

- \* 1- Generator ,
- \* 2- Section of Corrosion ,
- \* 3- Belzona 4911 & 4131 being applied ,
- \* 4- final coat of Belzona 5811 ,

## Application Situation

Severe corrosion on top of the tank leading to pinholes.

## Application Method

Clean Top of the Steel Tank. Needle Gun used to remove Heavy Scale from Years of Corrosion. Surface SpongeBlasted to a SSPC-SP10 Near White Condition. If the surface preparation perforated the metal, the repair was Cold Bonded with a plate repair using Belzona 1121. One Coat of Belzona 4911 Conditioner. Install Belzona 4131 to create a slope for the water to Evacuate from the middle on both sides of the tank. Top Coat with Belzona 5811

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

Belzona products are  
manufactured under an ISO  
9000 Registered Quality  
Management System.

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Repair • Protect • Improve

## Belzona Facts

Repair needed to be performed in a timely manner. The generator is part of local municipality energy redundancy plans and was down awaiting tank repair. Welding or replacement was not an economical option due to overall substrate conditions, fire risks, and the expense of custom fabrications.

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