

# Turbine impeller protected using Belzona.

ID: 9610

Industry: Water / Wastewater

Customer Location: Slovakia

Application: CEP-Centrifugal Pumps

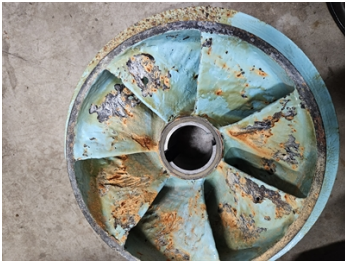
Application Date: May 2024

Substrate: Cast Iron

Products: Belzona 1311 (Ceramic R-Metal), Belzona 2141 (ACR-Fluid Elastomer), Belzona 2941 (Elastomer SP-Conditioner)

## Problem

The turbine was damaged by the erosion-corrosion process.



Damaged paint from a competing paint manufacturer.



Filling damaged blades with Belzona 1311 (Ceramic R-Metal).



Application of Belzona 2141 (ACR-Fluid Elastomer)

## Application Situation

The impeller was painted about 5 years ago with a material from a competing company, which was damaged. The customer applied the material himself. Now he was looking for a better solution.

## Application Method

Surface blasting. Filling damaged blades with Belzona 1311 (Ceramic R-Metal). Surface blasting. Application of Belzona 2941 (Elastomer SP-Conditioner). Application of Belzona 2141 (ACR-Fluid Elastomer).

## Belzona Facts

The customer was provided with 2 price offers: a cheaper one with the Belzona 1341 (Supermetalguide) material or a more expensive one with the Belzona 2141 (ACR-Fluid Elastomer) material. Based on our experience with the Francis turbine (Belzona 2141 (ACR-Fluid Elastomer)), the customer chose the more expensive option.

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.

[www.belzona.com](http://www.belzona.com)

  
**BELZONA**<sup>®</sup>  
Repair • Protect • Improve