

# BELZONA REPAIRS TURBINE SHAFT AT A POWER STATION

ID: 5309

Industry: Power  
Application: CEP-Centrifugal Pumps  
Substrate: Forged steel  
Products: \* Belzona 1341 (Supermetalgilde) ,  
\* Belzona 2141 (ACR-Fluid Elastomer) ,  
\* Belzona 2941 (Elastomer SP-Conditioner) ,

Customer Location: Sudbury, ON, Canada  
Application Date: October 2013

## Problem

Damaged on turbine shaft was caused by cavitation, erosion and corrosion.



## Photograph Descriptions

- \* Power station ,
- \* Application in progress ,
- \* Completed application ,
- \* Application after 6 months ,

## Application Situation

Turbine shaft.

## Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet CEP-4 for applying external coatings. Belzona 1341 was applied to the surface using a brush. In the smaller sections of the turbine shaft, Belzona 2941 and Belzona 2141 were applied using a brush in accordance with Belzona Instructions For Use.

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

Belzona 1341 is a two component, high performance coating system for improving the efficiency of fluid handling systems and protection of metals from the effects of erosion-corrosion. It is also suitable for contact with potable water. It is listed by WRAS. Belzona 2141 is an elastomeric system designed for coating applications subject to the extremely high localized pressures created by cavitation and erosion. This versatile liquid applied material retains adhesion under long term immersion and dissipates energy created under medium to high intensity cavitation conditions.

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