

BELZONA REPAIRS TURBINE SHAFT AT A POWER STATION

ID: 5309



PROBLEM

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

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.

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.

INDUSTRY

Power

LOCATION

Sudbury, ON, Canada

APPLICATION DATE

October 2013

PRODUCTS

Belzona 1341 (Supermetalgilde)
Belzona 2141 (ACR-Fluid Elastomer)
Belzona 2941 (Elastomer SP-Conditioner)

SUBSTRATE

Forged steel

PHOTOS

1. Power station
2. Application in progress
3. Completed application
4. Application after 6 months

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

Belzona products are manufactured under an ISO 9001 Registered Quality Management System.

www.belzona.com

