

# BELZONA REBUILD AND PROTECTS TURBINE RUNNER

ID: 5579

Industry: Power  
Application: CEP-Centrifugal Pumps  
Substrate: Cast Iron  
Products: \* Belzona 1311 (Ceramic R-Metal) ,  
\* Belzona 1341 (Supermetalglide) ,

Customer Location: Hydropower Plant, British Columbia, CA  
Application Date: May 2001

## Problem

The Turbine Runner was showing signs of erosion on the leading edges of the vanes



## Photograph Descriptions

- \* 1. Turbine Runner after initial grit blasting ,
- \* 2. Leading edges of vanes rebuilt with Belzona 1311 ,
- \* 3. Application of the 1st coat of Belzona 1341 in progress ,
- \* 4. Completed application of the 2nd coat of Belzona 1341 ,

## Application Situation

Turbine Runner

## Application Method

The surface was properly prepared and the application was carried out in accordance with Belzona Know-How System Leaflets CEP-1 and CEP-3.

## Belzona Facts

Using Belzona allowed the operation to deal with the erosion problems before they became a major problem. Coating the runner with Belzona 1341 will improve its performance and protect it from corrosion in the future.

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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9000 Registered Quality  
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