

# BELZONA REPAIRS THIS VACUUM PUMP AND INCREASES ITS EFFICIENCY

ID: 302

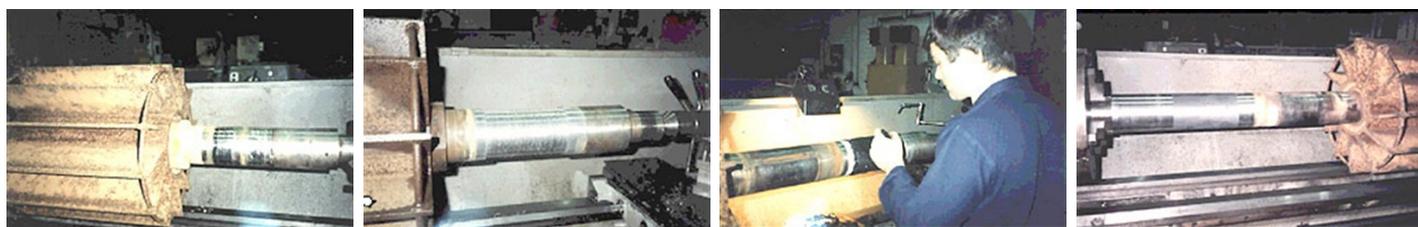
Industry: Power  
Application: MPT-Mechanical Power Transmission

Customer Location: Fossil fuel power station in Australia  
Application Date: November 1993

Substrate: Cast iron and steel  
Products: \* Belzona® 1131 ,  
\* Belzona® 1341 (Supermetalglide) ,

## Problem

Corrosion damage to the end covers and impeller, as well as heavy scoring of the gland packing locations on the impeller shaft caused insufficient vacuum pumping and loss of pressure.



## Photograph Descriptions

- \* Scored area of the shaft ,
- \* Undercoat area of the damaged shaft ,
- \* Application of Belzona® 1131 ,
- \* The rebuilt shaft after machining of Belzona® 1131 ,

## Application Situation

Water ring vacuum pump for main condenser.

## Application Method

The application was carried out in accordance with Belzona Know-How System Leaflets MPT-1 and CEP-7.

## Belzona Facts

Customer achieved an increase in efficiency. In particular the end covers were rebuilt with Belzona® 1131 for additional security in service. As the clearances increase between the vanes of the rotor and the end covers, the Belzona® 1131 will prevent hang up, and provide a smooth hydrodynamic surface.

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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manufactured under an ISO  
9000 Registered Quality  
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