# BELZONA REPAIRS THIS VACUUM PUMP AND INCREASES ITS EFFICIENCY

#### **CUSTOMER**

Fossil fuel power station in Australia

#### APPLICATION DATE

November 1993

# **APPLICATION SITUATION**

Water ring vacuum pump for main condenser.

#### **PROBLEM**

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

## **PRODUCTS**

Belzona® 1131 Belzona® 1341 (Supermetalglide)

## **SUBSTRATE**

Cast iron and steel

### 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.

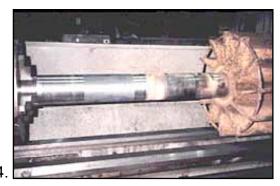
## **PICTURES**

- 1. Scored area of the shaft
- 2. Undercoat area of the damaged shaft
- 3. Application of Belzona® 1131
- 4. The rebuilt shaft after machining of Belzona $^{\circ}$  1131









For more examples of Belzona Know-How In Action, please visit http://khia.belzona.com

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