

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 (Supermetalgilde)

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® 1131



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



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