BELZONA KEEPS COOLING WATER PUMP RUNNING

ID: 664

Industry: Power Customer Location: Coal power plant in Macedonia

Application: CEP-Centrifugal Pumps Application Date: September 1999

Substrate: Stainless steel

Products: * Belzona® 1311 (Ceramic R– Metal),

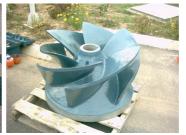
* Belzona® 1321 (Ceramic S-Metal),

Problem

Cavitation-erosion damage on the impellers







Photograph Descriptions

- * Eroded pump blades,
- * Filled pump blades with Belzona® 1311,
- * Finishing with Belzona® 1321,

Application Situation

Two cooling water pump impellers

Application Method

Application was carried out in accordance with Belzona Know-How System Leaflets CEP-5 and CEP-7.

Belzona Facts

Cavitation reduces thickness of the blades, increasing risk of their breaking. Belzona® 1311 rebuild restored impellor profiles. After applying of Belzona® 1321, the power consumption decreased and the flow increased. Replacing the pump costs about 50.000,00 EUR and it takes 60 days. This application had been done twice on two impellers.

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

ISO 9001:2015 Belzona products are
FS 695214 manufactured under an ISO
ISO 14001:2015 9000 Registered Quality
EMS 695213 Management System.

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