

BELZONA KEEPS COOLING WATER PUMP RUNNING

ID: 664

Industry: Power
Application: CEP-Centrifugal Pumps
Substrate: Stainless steel
Products: * Belzona® 1311 (Ceramic & Metal) ,
* Belzona® 1321 (Ceramic S-Metal) ,

Customer Location: Coal power plant in Macedonia
Application Date: September 1999

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
FS 695214
ISO 14001:2015
EMS 695213

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manufactured under an ISO
9000 Registered Quality
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