

BELZONA REBUILDS CAVITATED VANES

ID: 611

Industry: Power
Application: CEP-Centrifugal Pumps
Substrate: Cast iron
Products: * Belzona® 1311 (Ceramic R-Metal) ,
* Belzona® 1321 (Ceramic S-Metal) ,

Customer Location: Power plant, Egypt
Application Date: April 2004

Problem

Severe cavitation caused holes, pittings and deformation in the profile of the vanes.



Photograph Descriptions

- * General view of the five impellers ,
- * The cavitated vanes ,
- * Rebuilding the vanes using Belzona® 1311 ,
- * Finished Impellers coated with Belzona® 1321 ,

Application Situation

Five impellers of cooling pumps

Application Method

Application was carried out in accordance with Belzona Know-How System Leaflets CEP-3 and CEP-5.

Belzona Facts

Belzona rebuilt the cavitation and pitting damage in the vanes restoring the correct profile using a simple technique, saving replacement costs and also providing more resistance to future cavitation.

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
Management System.

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