BELZONA REBUILDS CAVITATED VANES

ID: 611

Industry: Power Customer Location: Power plant, Egypt

Application: CEP-Centrifugal Pumps Application Date: April 2004

Substrate: Cast iron

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

* Belzona® 1321 (Ceramic S-Metal),

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

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