

BELZONA CAVITATION RESISTANCE FOR IMPELLER

ID: 33

Industry: Oil & Gas
Application: CEP-Centrifugal Pumps
Substrate: Bronze
Products: * Belzona® 1311 (Ceramic R-Metal) ,
* Belzona® 1421 ,

Customer Location: Oil Refinery in Mississippi
Application Date: August 1995

Problem

Severe damage to the impeller caused by cavitation



Photograph Descriptions

- * Surface preparation—abrasive grit blasting in progress ,
- * Cavitated areas of the impeller rebuilt with Belzona® 1311 ,
- * Application of Belzona® 1421 complete, impeller ready for service ,

Application Situation

40-inch impeller for cooling tower pump

Application Method

The application was carried out in accordance with Belzona Know-How Leaflets CEP-1 and CEP-3.

Belzona Facts

The customer saved a \$45,000 replacement cost for a new impeller.

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

Belzona products are
manufactured under an ISO
9000 Registered Quality
Management System.

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