

CAVITATION DAMAGED IMPELLER REPAIRED WITH BELZONA

ID: 1260

Industry: Water / Wastewater
Application: CEP-Centrifugal Pumps
Substrate: Bronze
Products: * Belzona® 1221 (Super E Metal) ,
* Belzona® 1341N (Supermetalgilde) . ,

Customer Location: Water Treatment Plant, Virginia.
Application Date: April 2008

Problem

Impeller was damaged by cavitation leading to vibration in the pump. NSF approved products required.



Photograph Descriptions

- * Impeller showing Cavitation Damage ,
- * Impeller repaired with Belzona® 1221 ,
- * Impeller coated with Belzona® 1341N ,
- * Impeller installed into pump and ready for service ,

Application Situation

Vertical water distribution pump.

Application Method

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

Belzona Facts

New impeller cost \$12,000 - \$14,000 with a 24 week lead time. Past experience proved brazing the bronze could lead to future metal failures. The Belzona repair is quick, low cost and effective solution. This application has been two years of service and is performing with out flaw.

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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