

BELZONA RESEATS WEAR RINGS WITHOUT MACHINING

ID: 1341

Industry: Water / Wastewater
Application: CEP-Centrifugal Pumps
Substrate: Cast Iron
Products: * Belzona® 1121 (Super XL Metal) ,

Customer Location: Water treatment plant, Canada
Application Date: March 2006

Problem

Erosion of wear ring seats caused vibration to the pump which needed repairs on site.



Photograph Descriptions

- * The wear ring seart ,
- * Release Agent applied to wear rings assembled on impellor ,
- * Surface preparation underway ,
- * Final result: no machining required ,

Application Situation

Wear rings of a Worthington pump needed repairs on site.

Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet CEP-2. The wear rings were located on the rotating element and used as former for the seats.

Belzona Facts

Belzona® 1121 allowed rebuilding of the wear ring seats to the original profile without machining. Belzona® 1121 is solvent free and does not shrink during cure allowing exact forming of the seat. Also being an insulator Belzona® 1121 eliminates any future galvanic corrosion.

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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