

Belzona Rebuilds & Protects Pump Impeller

ID: 531

Industry: Water / Wastewater

Customer Location: Water Treatment Plant - UK

Application: CEP-Centrifugal Pumps

Application Date: February 2005

Substrate: Cast Iron

Products: * Belzona® 1111 (Super-Metal) ,
* Belzona® 1321 (Ceramic S-Metal) ,

Problem

Impeller had moved on its shaft causing it to run against the casing. This resulted in severe abrasive wear and mechanical damage.



Photograph Descriptions

- * Impeller on vertical borer prior to cleaning and refurbishment ,
- * View of wear and mechanical damage. Wire framework was used to reinforce repair ,
- * Application of Belzona® 1111 underway ,
- * Completed impeller after application of final coats of Belzona® 1321 ,

Application Situation

Impeller from effluent sewage pump.

Application Method

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

Belzona Facts

Previously, impellers in this condition were not considered repairable resulting in delivery lead times to source a new part as well as the associated replacement costs. The repair using Belzona meant the part could be returned to service within 48 hours.

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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9000 Registered Quality
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