

Belzona Repairs Multi-Stage Pump

ID: 8683

Industry: Power
Application: CEP-Centrifugal Pumps
Substrate: Steel
Products: * Belzona 1111 (Super Metal) ,
* Belzona 1341 (Supermetalglide) ,

Customer Location: South Africa
Application Date: 2021

Problem

The process fluid had, over time, worn away the existing lining and damaged the substrate.



Photograph Descriptions

- * 1. Before Repair ,
- * 2. After Blasting ,
- * 3. Rebuilt ,
- * 4. Finished application ,

Application Situation

A multi-stage pump operating in a power station was badly worn, resulting in efficiency losses. A solution was required to rebuild the substrate and increase its efficiency.

Application Method

The substrate was prepared using grit blasting to a SA2.5 cleanliness standard and an average surface profile in excess of 75 microns. Belzona 1111 (Super Metal) was then applied to restore the substrate followed by the application of Belzona 1341 (Supermetalglide) to provide long term protection. System leaflet CEP-03

Belzona Facts

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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Belzona had previously coated other multi-stage pumps at this power plant, so the asset owners requested this pump was also repaired with Belzona.

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