

SO-CALLED "UNREPAIRABLE" PUMPS RESTORED WITH BELZONA

ID: 7483

Industry: Steel & Metal Processing
Application: CEP-Centrifugal Pumps
Substrate: Stainless Steel
Products: * Belzona 1311 (Ceramic R-Metal) ,
* Belzona 1341 (Supermetalgilde) ,

Customer Location: Copper Processing Plant, Bulgaria
Application Date: 2016

Problem

The pumps had to work 24 hours per day for a continuous period of 5500 hours (approximately 229 days). They were experiencing serious corrosion and some erosion from the cascade of return water from the dam containing active chemical reagents (pH from 2.5 to 8), as well as a small amount of solids.



Photograph Descriptions

- * 1&2. The corroded pumps
- * 3. The Belzona application underway with Belzona 1311 used to restore original profiles ,
- * 4. The completed application with Belzona 1341 applied to provide overall corrosion protection ,

Application Situation

2 ten-year-old 500 LNN 1000 (single stage, double section) pumps.

Application Method

Application was carried out in accordance with Belzona Know-How System Leaflets CEP-1, CEP-2 and CEP-3. 104 kilos of Belzona 1311 and 22 kilos Belzona 1341 were used.

Belzona Facts

The cost of purchasing a new pump of the same size was about €35,000 - €40,000 (and only offering a 12 month warranty) compared to Belzona restoration and protection at €9,000.

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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