

BELZONA REPAIRS A PAPER MILL PUMP

CUSTOMER

France

APPLICATION DATE

June 2008

APPLICATION SITUATION

Because the pump casing was severely damaged, the pump was out of service and needed to be either replaced or fixed quickly.

PROBLEM

A paper pulp pump was severely damaged by abrasion because of the presence of paper clips and staples in the pulp it transports. The existing coating could not withstand this abrasive paste which caused impingement.

PRODUCTS

Belzona 1311 (Ceramic R-Metal)

Belzona 1812 (Ceramic Carbide)

SUBSTRATE

Cast iron

APPLICATION METHOD

Application method was carried out according to Belzona Know-How System Leaflet CEP-05 and SHM-11. Belzona 1311 was used on the major holes with a steel reinforcement sheet to rebuild the pump casing. Then, Belzona 1812 was applied overall the inside surface of the pump casing to offer a protection against erosion.

BELZONA FACTS

The customer said it was better to repair the equipment with Belzona products than to replace it. He realised indeed, that the repaired and coated pumps usually last 3 times longer than new ones.

PICTURES

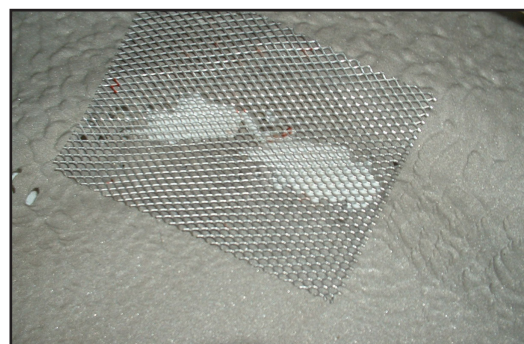
1. Pump casing severely damaged by abrasion.
2. Zoom on the hole resulted from the circulation of abrasive fluid.
3. Use of a steel reinforcement mesh to rebuild the casing.
4. Completed application.



1.



2.



3.



4.

For more examples of *Belzona Know-How In Action*, please visit <http://khia.belzona.com>



ISO 9001:2008
Q 09335
ISO 14001:2004
EMS 509612

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