

BELZONA REPAIRS A PAPER MILL PUMP

ID: 7757



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.

APPLICATION SITUATION

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

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.

INDUSTRY

Pulp & Paper

LOCATION

France

APPLICATION DATE

June 2008

PRODUCTS

Belzona 1311 (Ceramic R-Metal)

Belzona 1812 (Ceramic Carbide)

SUBSTRATE

Cast iron

PHOTOS

Pump casing severely damaged by abrasion.

Zoom on the hole resulted from the circulation of abrasive fluid.

Use of a steel reinforcement mesh to rebuild the casing.

Completed application.

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

Belzona products are manufactured under an ISO 9001 Registered Quality Management System.

www.belzona.com

