Know-How*in Action*

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BELZONA REPAIRS CYCLONE INLET

CUSTOMER
Paper Mill, Michigan U.S.A.

APPLICATION DATE
October 2008

APPLICATION SITUATION
The pulp cyclone removes scrap metal, stones, glass and other heavy abrasive debris from the pulp prior to screening.

PROBLEM
The inlet to the pulp cyclone showed severe erosion corrosion after only 8 months of service. It had already been patched once and had holed through again.

PRODUCTS
Belzona® 1812 (Ceramic Carbide FP)
Belzona® 1321 (Ceramic S Metal)

SUBSTRATE
Cast Iron

APPLICATION METHOD
Application carried out in accordance with Belzona Know-How System Leaflet SHM-11.A polycarbonate flange form was bolted on the casting and Belzona® 1812 applied to fill the eroded shell and rebuild the damaged flange area. The interior was coated with Belzona® 1321 to provide a smooth the surface and the flange form was removed.

BELZONA FACTS
A replacement fitting was quoted at $25,000 and six weeks delivery. The Belzona material used in this repair cost less than $2,000. When the fitting currently in use is replaced by this fitting, it too will be repaired with Belzona abrasion resistant lining. The mill thus has a low cost durable back-up part ready for service.

PICTURES
1. The fitting in the repair area
2. Flange form installed. Internal damage evident
3. Belzona® 1321 being applied over the Belzona® 1812
4. Completed repair

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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