

BELZONA EXTENDS THE LIFE OF THIS SCREW PRESS

CUSTOMER

Paper mill in Wisconsin, U.S.A.

APPLICATION DATE

1999

APPLICATION SITUATION

Shaft wall thickness of an Andritz Screw Press.

PROBLEM

The Andritz Screw Press is used to remove water and thicken the pulp stock. The screw shaft on this machine lost nearly half of its 7/8" wall thickness due to abrasion from the fiber as it is pressed against the screw.

PRODUCTS

Belzona® 1311 (Ceramic R-Metal)

Belzona® 1321 (Ceramic S-Metal)

SUBSTRATE

Steel

APPLICATION METHOD

The application was carried out in accordance with Belzona Know-How System Leaflet SHM-14.

BELZONA FACTS

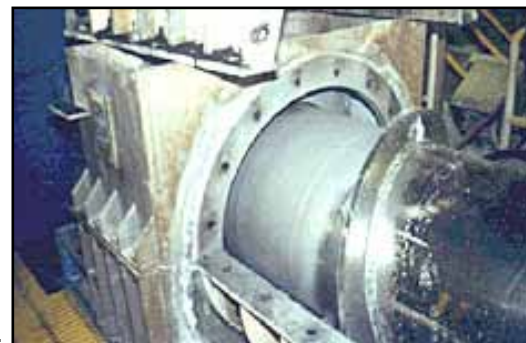
The shaft had previously been resurfaced by welding at a cost of \$12,000, but only lasted 18-months. The manufacturer recommends that the screw only be welded once and then replaced at a cost of \$80,000. After 6 months of service, over 75% of the top 0.040" layer of Belzona was still intact

PICTURES

1. Overall view of the Andritz screw press
2. Surface preparation by grit blasting
3. Finished application
4. After 6 months of operation



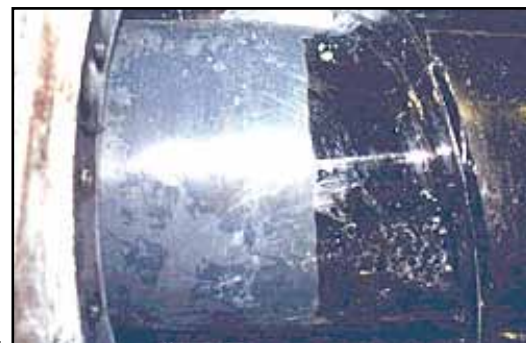
1.



2.



3.



4.

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



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