

# ROLL MILL SLURRY PUMP REPAIR WITH BELZONA

ID: 868

Industry: General Industry  
 Application: CEP-Centrifugal Pumps  
 Substrate: Pump casing is NiHard (nickle/chromium)  
 Products: \* Belzona® 1111 (Super Metal) ,

Customer Location: Steel Mill Decatur, Alabama  
 Application Date: December 2005

## Problem

*The wear ring disintegrated allowing severe damage to the pump casing. Their need was to repair the casing and find a way to bind the new wear ring in place. If this could not be done a new casing would have to be ordered.*



## Photograph Descriptions

- \* Damage inside wear ring area ,
- \* View inside pump casing ,
- \* New stainless steel wear ring ,
- \* Casing repaired and wear ring installed ,

## Application Situation

This is a large (5-foot diameter) slurry pump underneath the main floor of the roll mill. The slurry is comprised of wastewater and highly abrasive metal particles. The wear ring disintegrated allowing severe damage to the pump casing. The pump was taken to a machine shop and a stainless steel wear ring crafted.

## Application Method

Application carried out in accordance with Belzona System Leaflet CEP-2.

## Belzona Facts

The pump casing was put back into service within a matter of days (within their shutdown period) instead of purchasing a new casing. Repairs costing a few thousand dollars in Belzona were better than a 6 week delay and 10s of thousands of dollars for a new casing. It has been 19 months and the pump is still in service and running well.

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ISO 9001:2015  
 FS 695214  
 ISO 14001:2015  
 EMS 695213

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