

# BELZONA RESTORES VACUUM PUMP AFFECTED BY DEEP EROSION

ID: 5089

**Industry:** Mining & Quarrying  
**Application:** CEP-Centrifugal Pumps  
**Substrate:** Cast iron  
**Products:** \* Belzona 1311 (Ceramic R-Metal) ,  
\* Belzona 1341 (Supermetalgilde) ,

**Customer Location:** Mine, Peru  
**Application Date:** April 2008

## Problem

Seal water drags solids deeply eroding the central body all around, on both sides of the central ribbing weakening the casing and even making a hole at one point.



## Photograph Descriptions

- \* Disassembly of components ,
- \* Grooves caused by erosion all around on both sides ,
- \* Refilled with Belzona 1311 ,
- \* Reconstructed area was later covered with Belzona 1341. ,

## Application Situation

Interior of the central casing of a large liquid ring vacuum pump

## Application Method

The application was carried out in accordance with the Belzona Know-How System Leaflet CEP-5. It was locally blasted and filled in using Belzona 1311 and was covered with Belzona 1341.

## Belzona Facts

For each hour that the plant is closed, the mine loses significant revenue. The delivery of a new casing would take too long. Using Belzona has saved production and the repair was completed in just 6 hours, during the plant's general maintenance downtime planned for one day. Thanks to Belzona, the plant was never left without the vacuum pump.

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

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

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