

# Pump case erosion damage repair in gravel mine

ID: 8589

**Industry:** Mining & Quarrying  
**Application:** CEP-Centrifugal Pumps  
**Substrate:** Cast iron (wear resistant)  
**Products:** \* Belzona 1812 was used to build up the whole material loss and subsequently a coat of Belzona 1321 was applied to smooth out the surface, this combination is the best possible solution to prevent or to slow down this erosion mechanism. ,

**Customer Location:** Hungary, Gravel mine  
**Application Date:** 2021.02.20

## Problem

The customers Warman WGR200 suffered from erosion because of the failure of the rubber lining the entrapped solid in the flow found route to the casing surface. The casing material wore until leakage.



## Photograph Descriptions

- \* 1-Deffective casing ,
- \* 2-Deffective area ,
- \* 3-Deffective area after sand blasting ,
- \* 4-Finished application with 1321 top-coat ,

## Application Situation

The customer, a gravel mine site operation leader, approached us to find a cost effective repair solution alternative to the case replacement. The answer was a simple yes and the quotation was sent.

## Application Method

Hand application according to the CEP-06: For repair of holed/cracked casings

## Belzona Facts

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ISO 14001:2015  
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Repair • Protect • Improve

- Huge savings against the case replacement - Quick technical and financially favourable offer - Quick turnaround of the application

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