

# SCOOP TRAM WITH DAMAGED PIN BEARING BACK IN SERVICE WITH BELZONA AFTER ONE DAY

ID: 4188

Industry: Mining & Quarrying  
Application: MPT-Mechanical Power Transmission

Customer Location: Salt mine, Germany  
Application Date: November 2009

Substrate: Steel  
Products: \* Belzona® 1821 (Fluid Metal) ,

## Problem

*The severe corrosive and abrasive service conditions had led to metal loss on the articulated joint bearing pin, resulting in a relatively short life of the component.*



## Photograph Descriptions

\* Scoop tram before application Injection of the Belzona material Completed application After reassembly of the bearing ,

## Application Situation

Scoop tram operating in salt mine.

## Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet MPT-2.

## Belzona Facts

Dismantling the pin housing for replacement would have been very time consuming and costly as the entire backing plate would have had to be detached. The Belzona forming technique not only allowed for the repairs to be completed in-situ after just one day but also significantly extended the life expectancy of the scoop tram bearing pin.

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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9000 Registered Quality  
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