

# CLASSIC PIN-HOUSING REPAIR WITH BELZONA

ID: 419

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

Customer Location: *Coal mine in Macedonia*  
Application Date: *December 2003*

Substrate: *Steel*  
Products: *\* Belzona® 1111 (Super Metal) ,*

## Problem

*Fretting and wear caused ovality of the bush housing due to the high forces transmitted through the pins.*



## Photograph Descriptions

\* The damaged housing Belzona® 1111 applied and the new bushes located in the correct place by a pin between the housings The completed repair ,

## Application Situation

Bush housing on excavator shovel

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet MPT-8. The surface was prepared by grinding and new steel bushes bonded into place. In order to ensure the bushes were in the correct position, a dummy pin was used to locate the bushes.

## Belzona Facts

The application was completed within a day and involved no heat which could have damaged the large metal excavator shovel.

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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