

# CATERPILLAR 631 ENGINE REPAIRED WITH BELZONA

ID: 856

Industry: *General Industry*  
Application: *ENC-Engines and Casings*  
Substrate: *Cast Iron*  
Products: *Belzona® 1311 (Ceramic R-Metal)*

Customer Location: *Magruder Limestone Company, Troy MO*  
Application Date: *June 2007*

## Problem

*A previous repair with "Brand X" epoxy failed. The owner took it to his own shop & did the work.*



## Photograph Descriptions

\* Caterpillar 631 engine block , \* Failed "Brand X" repair , \* Prepared surface on 1 of the cylinders showing leaks , \* Completed repair on 1 cylinder ,

## Application Situation

Traces of engine coolant appeared in the lubricating oil test samples indicating erosion in wall of cylinder block

## Application Method

Application carried out in accordance with Belzona Know-How System Leaflet ENC-6.

## Belzona Facts

This is a Caterpillar approved repair for a cavitated engine blocks and has been successfully completed many times on these and Komatsu engines. The Cat dealer declined to do the Belzona repair, claiming that the "brand X" failed repair proved that another such repair couldnt be done & wanted to sell a new engine block.

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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