

# BELZONA CAT BLOCK

ID: 171

Industry: General Industry

Customer Location: Heavy equipment engine supplier in Missouri, USA

Application: ENC-Engines and Casings

Application Date: February 1996

Substrate: Cast Iron

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

## Problem

Due to a design flaw in the casting, a drilled oil passageway broke through the side of the engine block.



## Photograph Descriptions

- \* View of the engine block. ,
- \* Close-up of broken out oil passageway. ,
- \* Dowel pin coated with Belzona® 9411 (Release Agent) in place, Belzona® 1111 (Super Metal) being applied. ,

## Application Situation

New six cylinder engine blocks

## Application Method

The application was carried out in accordance with a modified version of Belzona Know-How Leaflet ENC-1.

## Belzona Facts

Twenty engine blocks were involved, worth over \$4,000 each. Only \$160 worth of Belzona® 1111 (Super Metal) was used, saving the plant over \$80,000.

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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manufactured under an ISO  
9000 Registered Quality  
Management System.

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