

# BELZONA ENGINE BLOCK REPAIR AND PROTECTION

ID: 572

**Industry:** General Industry

**Customer Location:** Iron and steel manufacturing factory,  
Egypt

**Application:** ENC-Engines and Casings

**Application Date:** July 2004

**Substrate:** Cast iron

**Products:** \* Belzona® 1311 (Ceramic R-Metal) ,  
\* Belzona® 1391 (Ceramic HT) ,

## Problem

Cavitation and corrosion in water passages of engine block.



## Photograph Descriptions

- \* General view of the block ,
- \* Cavitation area after blasting ,
- \* Rebuilding cavitation area using Belzona® 1311 (Ceramic R-Metal) ,
- \* Applying Belzona® 1391 (Ceramic-HT) to the block ,

## Application Situation

Engine block

## Application Method

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

## Belzona Facts

This is a routine repair on engine blocks as cavitation is a common problem in this area of the engine.

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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