

# BELZONA REPAIRS TO FERRY MAIN ENGINE

ID: 453

**Industry:** General Industry  
**Application:** ENC-Engines and Casings  
**Substrate:** Cast iron  
**Products:** \* Belzona® 1311 (Ceramic R-Metal) ,  
\* Belzona® 1391 (Ceramic HT) ,

**Customer Location:** Ferry operator in Egypt  
**Application Date:** November 2003

## Problem

*Severe cavitation and corrosion in cylinder block bores in way of cylinder liner lands.*



## Photograph Descriptions

- \* The severity of the cavitation clearly evident ,
- \* Surface preparation underway ,
- \* The Belzona® 1311 being formed to profile ,
- \* Completed application with Belzona® 1391 applied to top water gallery ,

## Application Situation

Main diesel engine from ferry

## Application Method

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

## Belzona Facts

Belzona® 1311 used in conjunction with formers to rebuild cavitated areas and restore profiles. Belzona® 1391 applied to coolant galleries. This is a routine repair on engine blocks as cavitation is a common problem in this area of the engine. The Belzona provides a quick effective repair without heat and provides good cavitation and corrosion resistance in the hot coolant.

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

Belzona products are  
manufactured under an ISO  
9000 Registered Quality  
Management System.

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