

## BELZONA REMEDIES DAMAGE CAUSED BY A BROKEN PISTON ROD

**CUSTOMER**  
Egypt

**APPLICATION DATE**  
April 2003

**APPLICATION SITUATION**  
A casing of an engine.

**PROBLEM**  
A broken piston rod had caused damage to the engine casing, resulting in a large hole.

**PRODUCTS**  
Belzona 1111 (Super Metal)

**SUBSTRATE**  
Cast Iron

**APPLICATION METHOD**  
Application was carried out in accordance with Belzona System Leaflet ENC-1.

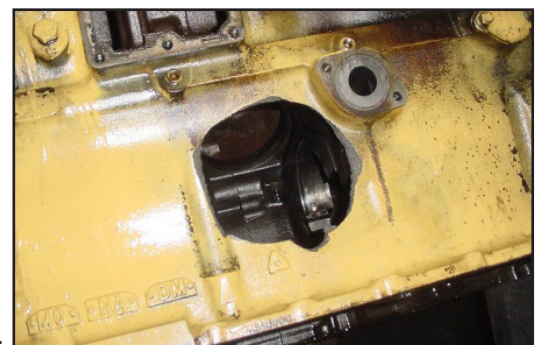
**BELZONA FACTS**  
The engine functions as a propulsion system for a ship. As the engine room is a confined space with limited access, removing and replacing the engine casing was not only expensive, but logistically difficult. Welding repairs are also undesirable due to risk of fire in the engine room. Belzona was selected to carry out a cold cured repair in-situ, overall reducing the cost, down time and safety risk of the repair.

### PICTURES

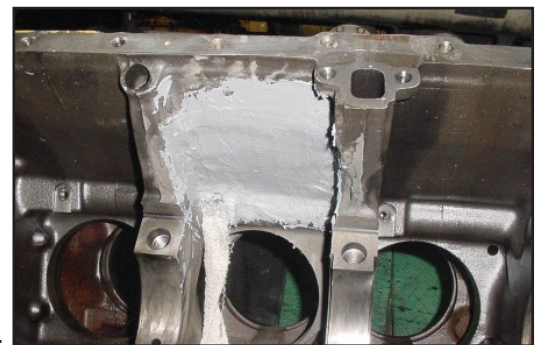
1. Engine block removed and hoisted into position.
2. Close up of the defect.
3. Plate bonding with Belzona 1111.
4. Completed application.



1.



2.



3.



4.

For more examples of *Belzona Know-How In Action*, please visit <http://khia.belzona.com>



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