

# crack repair of a gas engine power generator with Belzona

ID: 8554

**Industry:** Power  
**Application:** ENC-Engines and Casings  
**Substrate:** casting  
**Products:** \* Belzona 1212 was chosen to repair the crack. As easy application was expected due to its perfect surface tolerant properties. ,

**Customer Location:** Hungary  
**Application Date:** 2021

## Problem

The crack was found deep inside the GE Jenbacher gas engine. The area to be repaired was difficult to access and the regular surface preparation (SA2,5 and 75 microns) was not an option.



## Photograph Descriptions

- \* 1. a total shot of the engine. ,
- \* 2. surface preparation through the small hole ,
- \* 3. application is in process ,
- \* 4. repaired crack ,

## Application Situation

The operator noticed a significant loss of the cooling liquid. After a thorough investigation a crack in the cooling liquid chamber was found.

## Application Method

Grinding using a small size electric rotary file was followed by a cleaning and degreasing with 9111 prior the application of the mixed 1212. The paste has been applied with a Belzona spatula through an 80mm (3,15") diameter exhaust hole while another colleague controlled and directed from the other side of the engine.

## Belzona Facts

Cheap and very fast emergency repair of a very expensive power plant unit. No other repair alternative. No unexpected breakdown as repair was made during the maintenance time 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

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

[www.belzona.com](http://www.belzona.com)

**BELZONA**  
Repair • Protect • Improve