

# BELZONA REPAIRS POROUS GEARBOX

ID: 7552

Industry: Fluid Flow  
Application: ENC-Engines and Casings  
Substrate: Mild Steel  
Products: \* Belzona 5892 ,

Customer Location: Pump Manufacturer, UK  
Application Date: June 2017

## Problem

*The gearbox was found to be porous and was leaking oil. This loss of oil was hampering the proper operation of the gearbox. The exact areas which were porous would be difficult to identify. The only sure way of sealing the internals was by coating with an impermeable barrier.*



## Photograph Descriptions

- \* 1. Gearbox disassembled ,
- \* 2. Grit blasting complete ,
- \* 3. Lid of gearbox coated ,
- \* 4. Body of gearbox coated ,

## Application Situation

A gearbox

## Application Method

Application was carried out in accordance with a modified version of Belzona Know-How System Leaflet ENC-1. The gearbox was first grit blasted, then a two coat system of Belzona 5892 was applied to the internal areas.

## Belzona Facts

The Belzona solution was a surefire way of fixing the problem. It was also found to be more cost effective, quicker and safer than traditional weld repairs.

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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