

# BELZONA REPAIR TO SHAFT AND KEYWAY OF DIESEL ENGINE TEST DYNAMOMETER

ID: 446

Industry: *General Industry*  
Application: *MPT-Mechanical Power Transmission*

Customer Location: *Engine repair facility in Egypt*  
Application Date: *April 2003*

Substrate: *Steel*  
Products: *\* Belzona® 1111 (Super Metal) ,*

## Problem

*The tapered coupling and keyway were damaged on the main power input shaft.*



## Photograph Descriptions

- \* The damaged shaft and keyway ,
- \* Application of Belzona® 1111 to the former ,
- \* Former being clamped onto the shaft ,
- \* Both ends of shaft rebuilt ,

## Application Situation

Dynamometer used to measure engine power output

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflets MPT-2 and MPT-4. A former was used to restore tapered shaft profile and at same time locate the keyway correctly.

## Belzona Facts

Both ends of shaft repaired without having to dismantle the equipment.

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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