

# BELZONA PROTECTION FOR GEARBOX INTERNAL

ID: 926

Industry: Power  
Application: TCC-Tanks and Chemical Containment Areas  
Substrate: Cast iron  
Products: Belzona® 5891 (HT Immersion Grade)

Customer Location: Power Station, UK  
Application Date: February 2007

## Problem

Internal protection required by client to ensure long service life. Previous coatings had failed prematurely causing bearing failure and oil seal damage.



## Photograph Descriptions

\* Bare gearbox in workshop , \* Application of Belzona® 5891 underway , \* Application complete , \* Assembled gearbox ready for service ,

## Application Situation

Fifteen ton gearbox from ball mill used to pulverize coal.

## Application Method

The application was carried out in accordance with the Belzona Know-How System Leaflet TCC-5. Special attention was paid to surface preparation, particularly with regard to removing all impregnated oil and achieving correct grit blast profile.

## Belzona Facts

Decision to use Belzona was based on testing that demonstrated its toughness and resistance to hot oil. Previous use of the product in military gearboxes was another key factor for client.

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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manufactured under an ISO  
9000 Registered Quality  
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