

BELZONA REPAIRS DAMAGED GEAR BOX

ID: 569

Industry: Oil & Gas
Application: ENC-Engines and Casings
Substrate: Aluminium alloy
Products: * Belzona® 1111(Super Metal) ,
* Belzona® 9341(Reinforcement Tape) ,

Customer Location: Petrochemical facility, Egypt
Application Date: October 2003

Problem

The gear box was badly cracked and fractured.



Photograph Descriptions

- * Fractured gear box ,
- * Stabilizing the long cracks of the gear box ,
- * Using metal strips to reinforce the crack ,
- * Repair completed after applying Belzona® 1111 to the cracked surface ,

Application Situation

Service vehicle gear box

Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet ENC-1 and ENC-3a. The original dimensions were restored then Belzona® 1111 was used in conjunction with Belzona® 9341 to complete the repair, finally bearing housing was bored to its dimensions.

Belzona Facts

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.

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BELZONA®
Repair • Protect • Improve

The gear box had many long deep cracks which were dangerous to be welded due to heat distortion and the high ability to fail again. Belzona repair was completed quickly, safely, without heat, and at a moderate price.

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