

BELZONA REPAIRS DAMAGED GEAR BOX

CUSTOMER

Petrochemical facility, Egypt

APPLICATION DATE

October 2003

APPLICATION SITUATION

Service vehicle gear box

PROBLEM

The gear box was badly cracked and fractured.

PRODUCTS

Belzona® 1111(Super Metal)

Belzona® 9341(Reinforcement Tape)

SUBSTRATE

Aluminium alloy

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

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.

PICTURES

1. Fractured gear box
2. Stabilizing the long cracks of the gear box
3. Using metal strips to reinforce the crack
4. Repair completed after applying Belzona® 1111 to the cracked surface



For more examples of *Belzona Know-How In Action*, please visit <http://khia.belzona.com>



ISO 9001:2008
Q 09335
ISO 14001:2004
EMS 509612

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