

BELZONA REPAIRS DAMAGED GEAR BOX

ID: 569



PROBLEM

The gear box was badly cracked and fractured.

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

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.

INDUSTRY

Oil & Gas

LOCATION

Petrochemical facility, Egypt

APPLICATION DATE

October 2003

PRODUCTS

Belzona 1111(Super Metal)

Belzona 9341(Reinforcement Tape)

SUBSTRATE

Aluminium alloy

PHOTOS

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 khia.belzona.com

Belzona products are manufactured
under an ISO 9001 Registered
Quality Management System.

www.belzona.com


BELZONA®

Copyright © 1952-2026 Belzona International Limited.