BELZONA REPAIRS DAMAGED GEAR BOX

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 conjuction 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 Belzona products are FS 695214 ISO 14001:2015 EMS 695213 Management System.

manufactured under an ISO 9000 Registered Quality

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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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