

AGITATOR SHAFTS CURED WITH BELZONA

ID: 597

Industry: Oil & Gas
Application: MPT-Mechanical Power Transmission

Customer Location: Oil Processing Facility, Liverpool, UK
Application Date: July 2005

Substrate: Mild steel shaft
Products: * Belzona® 1321 (Ceramic S-Metal) ,
* Belzona® 9411 (Release Agent) ,

Problem

The main shaft on the agitator had worn down under the stuffing box over a number of years by up to 2" overall on the diameter over 21" of the shaft length.



Photograph Descriptions

- * The shaft in situ showing the extent of the damage ,
- * The former ready to be applied ,
- * The former in place after application of the material ,
- * The finished shaft with only a small split line requiring dressing ,

Application Situation

7" diameter mild steel agitator shaft

Application Method

Application was carried out in accordance with Belzona® Know-How System Leaflet MPT-2.

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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Repair • Protect • Improve

Belzona Facts

Belzona was chosen to repair the shaft in-situ as being over 40ft long its removal would have required the dismantling of the building and several items of plant it ran through. With Belzona the shaft was repaired in less than 4 hours and left to cure overnight to reveal a perfectly reformed area that was able to receive the stuffing box and get production started on schedule saving a massive amount of downtime. They have since gone on to complete several other smaller scale shaft repairs the same way.

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