

AGITATOR SHAFTS CURED WITH BELZONA

ID: 597



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.

APPLICATION SITUATION

7" diameter mild steel agitator shaft

APPLICATION METHOD

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

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.

INDUSTRY

Oil & Gas

LOCATION

Oil Processing Facility, Liverpool, UK

APPLICATION DATE

July 2005

PRODUCTS

Belzona 1321 (Ceramic S-Metal)
Belzona 9411 (Release Agent)

SUBSTRATE

Mild steel shaft

PHOTOS

1. The shaft in situ showing the extent of the damage
2. The former ready to be applied
3. The former in place after application of the material
4. The finished shaft with only a small split line requiring dressing

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