

BELZONA SOLVES BALANCE PROBLEM ON IMPELLER

ID: 864



PROBLEM

Liquid slowly entered the void during operation causing an imbalance and vibration.

APPLICATION SITUATION

Impeller did not have a solid center bore. Instead, it had a boss fit on both sides with a 60 cubic inch void in the center.

APPLICATION METHOD

Belzona® 1321 was injected into the void, filling it completely. Application followed Belzona Know-How System Leaflet GSS-9

BELZONA FACTS

Belzona® 1321 extensively used for injecting irregular shims. Product has good handling characteristics, is non-shrinking and has high mechanical strength. The pump needed to be back in production, a new impeller would take 6 month to be delivered, then, more of the same was likely to occur!

INDUSTRY

Oil & Gas

LOCATION

ConocoPhillips Refinery, Wood River, IL

APPLICATION DATE

July 2007

PRODUCTS

Belzona 1321 (Ceramic S-Metal)

SUBSTRATE

Bronze

PHOTOS

1. General view of the impeller
2. Injection port fitted
3. Injection underway
4. Vent port filled after injection completed

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.

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