

BELZONA SOLVES BALANCE PROBLEM ON IMPELLER

CUSTOMER

ConocoPhillips Refinery, Wood River, IL

APPLICATION DATE

July 2007

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.

PROBLEM

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

PRODUCTS

Belzona® 1321 (Ceramic S-Metal)

SUBSTRATE

Bronze

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!

PICTURES

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 <http://khia.belzona.com>



ISO 9001:2008
Q 09335
ISO 14001:2004
EMS 509612

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