

# BELZONA SOLVES BALANCE PROBLEM ON IMPELLER

ID: 864

Industry: Oil & Gas  
Application: GSS-Gaskets, Seals and Shims  
Substrate: Bronze  
Products: Belzona® 1321 (Ceramic S-Metal)

Customer Location: ConocoPhillips Refinery, Wood River, IL  
Application Date: July 2007

## Problem

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



## Photograph Descriptions

\* General view of the impeller , \* Injection port fitted , \* Injection underway , \* Vent port filled after injection completed ,

## 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!

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

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9000 Registered Quality  
Management System.

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