

# GASSIFIER MIXER BLADES PROTECTED WITH BELZONA

ID: 643

Industry: *General Industry*  
Application: *PDP-Positive Displacement Pumps*

Customer Location: *Refinery El Dorado, Kansas*  
Application Date: *April 2004*

Substrate: *Steel / Rubber*  
Products: *\* Belzona® 2121 (D&A Hi-Coat Elastomer),*

## Problem

*The original rubber coating failed. The leading edge of the steel wore away and large chunks of steel were missing. This decreased the efficiency of the unit.*



## Photograph Descriptions

- \* Damaged Gasifier mixer blade leading edge missing ,
- \* New leading edge welded and rubber being prepared ,
- \* Application of Belzona® 2121 ,
- \* Finished application ,

## Application Situation

Coke and water are mixed to provide Syngas for use in refinery processes.

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet SHM-9.

## Belzona Facts

The long term reliability and ease of application of the repair are two of the many reasons why Belzona was the product of choice.

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  
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