

# BELZONA FABRICATION OF ROTARY LOBES

ID: 180

Industry: *Water / Wastewater*

Customer Location: *Wastewater Treatment Plant in Northwest Florida*

Application: *PDP-Positive Displacement Pumps*

Application Date: *September 1996*

Substrate: *Steel*

Products: *\* Belzona® 2131 (D&A Fluid Elastomer) ,  
\* Belzona® 2911 (Q.D. Conditioner) ,  
\* Belzona® 4411 (Granogrip) ,  
\* Belzona® 9411 (Release agent) ,*

## Problem

*Rotary pump lobes damaged by entrained solids.*



## Photograph Descriptions

- \* Damaged lobes from pump. ,
- \* A perfect mold is made from new lobe using Belzona technique. ,
- \* New lobe casted with Belzona® 2131. ,
- \* Inspection six months after installation shows no wear. One year after installation the lobes are operating perfectly. ,

## Application Situation

Wemco-muniflo rotary lobe, pump Model RPD5

## Application Method

The application was carried out in accordance with Belzona Know-How Leaflet PDP-9.

## Belzona Facts

Replacement cost is \$1,000-\$1,300 per lobe. Cost of fabricating lobes with Belzona's techniques is approximately \$600 per lobe, saving the customer in excess of \$600 per lobe.

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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