

# 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

Belzona products are  
manufactured under an ISO  
9000 Registered Quality  
Management System.

[www.belzona.com](http://www.belzona.com)

  
**BELZONA®**  
Repair • Protect • Improve