

# BELZONA CREATES RUBBER LOBES ON THIS ROTARY PUMP

ID: 357

Industry: Water / Wastewater

Application: PDP-Positive Displacement Pumps

Customer Location: Water treatment plant.

Application Date: 1987

Substrate: Rubber and steel

Products: \* Belzona ® 2131 (D&A Fluid Elastomer) ,

\* Belzona ® 2911 (QD Conditioner) ,

## Problem

*The two intermeshing rubber lobes in the pump rapidly wear and the clearances increase reducing the pumps efficiency.*

*Replacement of the lobes is necessary but expensive and long lead times exist for replacement lobes from the manufacturer.*



## Photograph Descriptions

- \* Mold prepared from new lobe ,
- \* Pouring Belzona ® 2131 (D&A Fluid Elastomer) to fill the mold ,
- \* Pair of lobes assembled in pump case housing ,

## Application Situation

Rotary lobe pumps used to move primary sludge in water treatment works.

## Application Method

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

## Belzona Facts

The Belzona repair scenario allows replacement lobes to be produced at a considerable reduction in cost over new units from the manufacturer. This alternative also provides extended service life.

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