

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

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