

# BELZONA® REFURBISHMENT OF VACUUM PUMP

ID: 142

Industry: General Industry

Application: PDP-Positive Displacement Pumps

Customer Location: Australian brewery

Application Date: 1993

Substrate: Steel

Products: \* Belzona® 1311 (Ceramic R-Metal) ,

\* Belzona® 1321 (Ceramic S-Metal) ,

## Problem

Severe erosion corrosion of port plates, body and rotor caused by poor quality sealing water resulting in corrosion, plus carry over of diatomaceous earth causing erosion.



## Photograph Descriptions

- \* The degree of erosion corrosion clearly evident on the port plates and body ,
- \* The restored body ,
- \* The coated rotor with reformed port plates in background ,

## Application Situation

Siemens Elmo vacuum pump from drum filter

## Application Method

Application was carried out in accordance with Belzona Know-How leaflets PDP-5 and FBC-11. Port plates were restored by forming correct dimensions and critical areas on the body were re-built and machined to size before coating with Belzona® 1321

## Belzona Facts

Replacement costs were over \$12,000.00. Belzona application was approximately 1/3rd this and more importantly Belzona repairs on vacuum pumps have been shown to far outlast the original equipment 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.

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