

BELZONA® REFURBISHMENT OF VACUUM PUMP

ID: 142

Industry: *General Industry*

Customer Location: *Australian brewery*

Application: *PDP-Positive Displacement Pumps*

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

Belzona products are

FS 695214

manufactured under an ISO

ISO 14001:2015

9000 Registered Quality

EMS 695213

Management System.

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