

# BELZONA REFURBISHMENT OF VACUUM PUMP

ID: 142



## 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.

## 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.

## INDUSTRY

General Industry

## LOCATION

Australian brewery

## APPLICATION DATE

1993

## PRODUCTS

Belzona 1311 (Ceramic R-Metal)  
Belzona 1321 (Ceramic S-Metal)

## SUBSTRATE

Steel

## PHOTOS

1. The degree of erosion corrosion clearly evident on the port plates and body
2. The restored body
3. The coated rotor with reformed port plates in background

For more examples of Belzona Know-How in Action, please visit [khia.belzona.com](http://khia.belzona.com)

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