

# BELZONA PREPARES VERTICAL PUMP FOR ACID SERVICE

ID: 1339

**Industry:** Oil & Gas  
**Application:** CEP-Centrifugal Pumps  
**Substrate:** Cast Iron  
**Products:** \* Belzona® 1111 (Supermetal) ,  
 \* Belzona® 4311 (Magma CR1) ,

**Customer Location:** Refinery, Canada  
**Application Date:** May 2005

## Problem

Chemical attack inside volute and on the impeller.



## Photograph Descriptions

- \* Original pump after 5 years ,
- \* The volute after surface preparation ,
- \* The volute after coating with Belzona® 4311 ,
- \* The impeller protected with Belzona® 4311 ,

## Application Situation

Vertical pumps to handle sulfuric acid

## Application Method

Application was carried out in accordance with Belzona System leaflet CEP-3.

## Belzona Facts

Belzonas solution for acid pumps was originally tested in 1998 on a vertical pump in contact with 93% sulfuric acid. Very satisfying results led to 5 identical pumps 4 years later being protected.

Belzona 4311, designed to withstand immersion in such aggressive chemicals, once more proved that it is a very cost effective maintenance solution for equipment.

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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