

## BELZONA PREPARES VERTICAL PUMP FOR ACID SERVICE

### CUSTOMER

Refinery, Canada

### APPLICATION DATE

May 2005

### APPLICATION SITUATION

Vertical pumps to handle sulfuric acid

### PROBLEM

Chemical attack inside volute and on the impeller.

### PRODUCTS

Belzona® 1111 (Supermetal)

Belzona® 4311 (Magma CR1)

### SUBSTRATE

Cast Iron

### 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.

### PICTURES

1. Original pump after 5 years
2. The volute after surface preparation
3. The volute after coating with Belzona® 4311
4. The impeller protected with Belzona® 4311



1.



2.



3.



4.

For more examples of *Belzona Know-How In Action*, please visit <http://khia.belzona.com>



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