

# SUCTION BELLS RESTORED WITH BELZONA

ID: 1275

**Industry:** Power  
**Application:** CEP-Centrifugal Pumps  
**Substrate:** Cast Iron  
**Products:** \* Belzona® 1311 (Ceramic R Metal) ,  
\* Belzona® 1321 (Ceramic S Metal) ,  
\* Belzona® 5811 (Immersion Grade) ,

**Customer Location:** Power Plant, Missouri  
**Application Date:** May 2009

## Problem

Erosion had caused serious loss of metal with holes completely through the substrate in places. Loss of efficiency and unscheduled downtime lead client to look at replacing the items.



## Photograph Descriptions

- \* Erosion clearly evident ,
- \* Belzona® 1311 being applied ,
- \* Belzona® 1321 applied to internal surfaces ,
- \* Belzona® 5811 applied to external surfaces ,

## Application Situation

Suction bells from two cooling water pumps.

## Application Method

Bells were sandblasted to a white to near Application was carried out in accordance with Belzona System Leaflets CEP-3, CEP-4, and CEP-5. Belzona® 1311 applied to bring housing back to original dimensions. The internals were then coated with Belzona® 1321 and exterior with Belzona® 5811.

## Belzona Facts

Replacement for both suction bells would have been an estimated \$90,000.00. Total for Belzona materials were \$5,200.00; savings totaled \$84,800.00.

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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