

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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