

SUCTION BELLS RESTORED WITH BELZONA

CUSTOMER

Power Plant, Missouri

APPLICATION DATE

May 2009

APPLICATION SITUATION

Suction bells from two cooling water pumps.

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.

PRODUCTS

Belzona® 1311 (Ceramic R Metal)

Belzona® 1321 (Ceramic S Metal)

Belzona® 5811 (Immersion Grade)

SUBSTRATE

Cast Iron

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.

PICTURES

1. Erosion clearly evident
2. Belzona® 1311 being applied
3. Belzona® 1321 applied to internal surfaces
4. Belzona® 5811 applied to external surfaces



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



Belzona products are manufactured under an ISO 9000 Registered Quality Management System.

UK • USA • Canada • China
www.belzona.com

