

RESTORATION OF BRONZE IMPELLER WITH BELZONA

ID: 724



PROBLEM

This pump impeller, 1 of 4, normally running 24/7 had eroded to the point of replacement.

APPLICATION SITUATION

Cooling water pump impeller.

APPLICATION METHOD

Application was carried out in accordance with Belzona Know-How System Leaflet CEP-1, CEP-3 and CEP-5. Stainless Steel mesh used to reform vanes. After rebuilding, grinding to original profiles and coating, impeller was re-balanced.

BELZONA FACTS

Downtime was critical in this application and although replacement could be flown in within 6 days, further machining would be required. Belzona application was completed within 3 days.

INDUSTRY

Water / Wastewater

LOCATION

AEP/PSO - Oolagah, OK

APPLICATION DATE

June, 2005

PRODUCTS

Belzona 1311 (Ceramic-R Metal)
Belzona 1321 (Ceramic-S Metal)

SUBSTRATE

Bronze

PHOTOS

1. First inspection showing extent of erosion damage
2. Mesh in place and rebuild proceeding
3. Grinding to contour
4. Rebuilt and ready for service

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

Belzona products are manufactured under an ISO 9001 Registered Quality Management System.

www.belzona.com

