

CAVITATION DAMAGE IN PUMP REPAIRED

ID: 837



PROBLEM

Severe cavitation erosion above and below wear ring. limited time to restore pump.

APPLICATION SITUATION

Suction bell of pump found to be cavitated during 1 week outage.

APPLICATION METHOD

Application carried out in accordance with Belzona Know-How System Leaflets CEP-3 and CEP-5. Rebate grooves were cut to terminate coating.

BELZONA FACTS

Belzona repair and protective coating combined with 1-week turnaround saved approx. \$15,000 versus purchase of new unit with much longer lead time. Improved resistance to cavitation anticipated.

INDUSTRY

Power

LOCATION

Power Plant / NE Oklahoma

APPLICATION DATE

March 2007

PRODUCTS

Belzona 1221 (Super E-Metal)
Belzona 2141 (ACR Elastomer)

SUBSTRATE

Cast carbon steel (5% Nickel)

PHOTOS

1. Extent of cavitation damage to suction bell, above and below wear ring
2. Repairing damage back to original dimensions
3. Repaired surface rebated, taped and half coated with Belzona 2141
4. Finished job ready for bushing installation then into 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.

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