

## Cavitation Damage in Pump Repaired



*Extent of cavitation damage to suction bell, above and below wear ring*



*Repairing damage back to original dimensions*



*Repaired surface rebated, taped, and half coated with Belzona® 2141*



*Finished job ready for bushing installation then into service*

### STATISTICS

#### CUSTOMER

Power plant,  
Oklahoma

#### APPLICATION DATE

March 2007

#### SUBSTRATE

Cast carbon steel (5% steel)

#### PRODUCTS

Belzona® 1221  
Belzona® 2141

#### APPLICATION SITUATION

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

#### PROBLEM

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

#### APPLICATION METHOD

Application carried out in accordance with Belzona Know-How System Leaflets CEP-3 & -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.