

## CAVITATION DAMAGED IMPELLER REPAIRED WITH BELZONA

### CUSTOMER

Water Treatment Plant, Virginia.

### APPLICATION DATE

April 2008

### APPLICATION SITUATION

Vertical water distribution pump.

### PROBLEM

Impeller was damaged by cavitation leading to vibration in the pump. NSF approved products required.

### PRODUCTS

Belzona® 1221 (Super E Metal)

Belzona® 1341N (Supermetalglide).

### SUBSTRATE

Bronze

### APPLICATION METHOD

Application was carried out in accordance with Belzona Know-How System Leaflet CEP-3 & 5.

### BELZONA FACTS

New impeller cost \$12,000 - \$14,000 with a 24 week lead time. Past experience proved brazing the bronze could lead to future metal failures. The Belzona repair is quick, low cost and effective solution. This application has been two years of service and is performing with out flaw.

### PICTURES

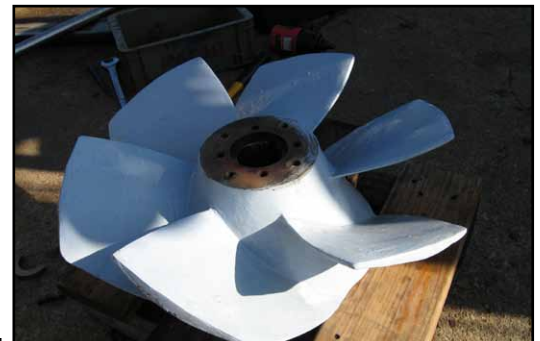
1. Impeller showing Cavitation Damage
2. Impeller repaired with Belzona® 1221
3. Impeller coated with Belzona® 1341N
4. Impeller installed into pump and ready for service



1.



2.



3.



4.

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



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