

## BELZONA HELPS FIREFIGHTERS DO THEIR JOB

### CUSTOMER

Spokane Valley, WA, USA

### APPLICATION DATE

October 2014

### APPLICATION SITUATION

Water pump on a firetruck.

### PROBLEM

Pump cavitation damage.

### PRODUCTS

Belzona 1311 (Ceramic R-Metal)

Belzona 1341 (Supermetalgilde)

### SUBSTRATE

Steel and Brass

### APPLICATION METHOD

The application was carried out in accordance with the Belzona Know-How System Leaflets CEP-1 and CEP-3. Surface preparation was carried out by grit blasting to a near white finish. Belzona 1311 was applied by using a formed piece of applicator trimmed down to the same size and shape of the damaged volute area. Belzona 1341 was brush applied in two coats as recommended.

### BELZONA FACTS

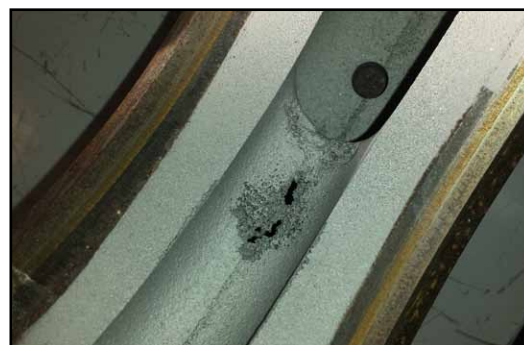
The existing pump was only 5 years old and showing heavy cavitation damage. The pump casing would have been fairly expensive to replace. With maybe \$5.00 USD of Belzona 1311 used to repair the damage and one unit of Belzona 1341 used to coat the impeller and the inside of the pump, it was a very cost effective repair. Additional benefits included an increase in the pump's efficiency when it was tested following reassembly.

### PICTURES

1. Corrosion damage
2. Grit blasted and ready for the application of Belzona 1311
3. Application of Belzona 1311
4. All parts coated and ready for assembly



1.



2.



3.



4.

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



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