# BELZONA IMPROVES EFFICIENCY OF A FIRE TRUCK

ID: 5662

Industry: Transport

Application: CEP-Centrifugal Pumps

Substrate: Cast iron

Products: \* Belzona 1311 (Ceramic R-Metal),

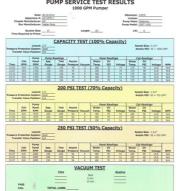
\* Belzona 1341 (Supermetalglide),

#### **Problem**

Cavitation on the cut-water in the pump.

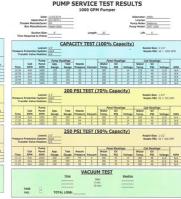






Customer Location: Northeastern Washington, USA

Application Date: July 2015



## **Photograph Descriptions**

- \* Cavitation damage / Repaired cavitation damage,
- \* Coated cut-water / Coated end plate ,
- \* Pre testing from the first pump showing 1750 rpm,
- \* Post testing from the first pump showing 1600 rpm,

## **Application Situation**

Suction pump on a fire truck.

## **Application Method**

The application was carried out in accordance with Belzona Know-How System Leaflets CEP-1 and CEP-3. The surface was grit blasted for preparation and Belzona 1311 applied to repair the cavitation damage, then Belzona 1341 was applied for protection and improved efficiency.

## **Belzona Facts**

The alternative was to purchase a new pump for several thousand dollars. This pump was repaired and coated with US\$550 worth

For more examples of Belzona Know - How In Action, please visit https://khia.belzona.com

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FS 695214 manufactured under an ISO
ISO 14001:2015 9000 Registered Quality
EMS 695213 Management System.

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the pump ran at 1750 r	pm to pump 1000 gpm	. After coating, the po	ump only runs at 16	500 rpm to pump 100	0 gpm.
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