

# BELZONA HELPS FIRE PUMP PERFORM AGAIN

ID: 6403

Industry: *Marine*  
Application: *CEP-Centrifugal Pumps*  
Substrate: *Bronze*  
Products: *\* Belzona 1111 (Super Metal) ,*  
*\* Belzona 1131 (Bearing Metal) ,*  
*\* Belzona 1341 (Supermetalglide) ,*

Customer Location: *Portland, OR*  
Application Date: *December 2016*

## Problem

*Impeller had suffered heavy cavitation and erosion due to contact with salt water.*



## Photograph Descriptions

- \* 1. Bronze pump impeller grit blasted and showing damage. ,
- \* 2. Eroded areas rebuilt with Belzona 1111 ,
- \* 3. Impeller coated with Belzona 1341 ,
- \* 4. Belzona 1131 applied to wear ring area ,

## Application Situation

Bronze Fire pump impeller on a US Navy Ship

## Application Method

The application was carried out in accordance with a modified version of Belzona System Leaflet CEP-3. Cavitated and eroded areas were rebuilt with Belzona 1111. The impeller was then coated with two coats of Belzona 1341 by brush; grey base coat, followed

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FS 695214  
ISO 14001:2015  
EMS 695213

Belzona products are  
manufactured under an ISO  
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by a blue top coat. Critical wear ring area was rebuilt with Belzona 1131.

## Belzona Facts

Not only is this impeller ready for service again, it will perform better than ever with Belzona 1341 providing a performance increase by improving the efficiency of the pump. The pump impeller is also protected from the damaging nature of seawater. Belzona 1131 provides a self lubricating surface on the wear ring area.

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