

# BELZONA HELPS FIRE PUMP PERFORM AGAIN

ID: 6403



## PROBLEM

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

## 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 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.

## INDUSTRY

Marine

## LOCATION

Portland, OR

## APPLICATION DATE

December 2016

## PRODUCTS

Belzona 1111 (Super Metal)  
Belzona 1131 (Bearing Metal)  
Belzona 1341 (Supermetalgilde)

## SUBSTRATE

Bronze

## PHOTOS

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

For more examples of Belzona Know-How in Action, please visit [khia.belzona.com](http://khia.belzona.com)

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