

BELZONA HELPS FIRE PUMP PERFORM AGAIN

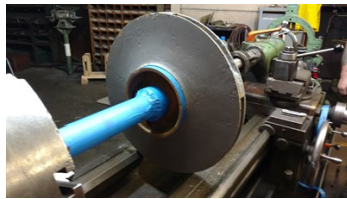
ID: 6403

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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ISO 9001:2015
FS 695214
ISO 14001:2015
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manufactured under an ISO
9000 Registered Quality
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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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