# **BELZONA REPAIRS A 75-YEAR OLD VALVE FLAPPER**

ID: 5350

Industry: Power Customer Location: OR, USA
Application: ENC-Engines and Casings Application Date: 2013

Substrate: Cast iron

Products: \* Belzona 1111 (Super Metal),

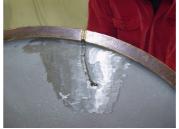
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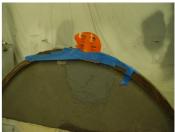
#### Problem

Cast Iron flapper disc had developed a crack. The check valve was 75 years old.









## **Photograph Descriptions**

- \* Flapper disc showing the crack at 1 o'clock. ,
- \* Drilling the crack to place studs. ,
- \* Area prepared, studs in place. ,
- \* Belzona 1111 applied with reinforcement sheet, applicator taped in place to smooth the seal area. ,

### **Application Situation**

Hydro Dam Check Valve Flapper

### **Application Method**

The application was carried out in accordance with Belzona System Leaflet ENC-1. The plastic applicator was used to form the face in the seal area.

#### **Belzona Facts**

Because the check valve was 75 years old there was no replacement available. Fabricating a new flapper from steel was just too expensive.

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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