

# BELZONA REPAIRS A GATE VALVE CRACK

ID: 7624

## Industry:

Application: VPF-Valves, Pipes and Fittings

Substrate: Ductile Iron

Products: \* Belzona 1111 (Super Metal) ,  
\* Belzona 9341 (Reinforcement Sheet) ,

Customer Location: Oregon, USA

Application Date: October, 2017

## Problem

The disk of the gate valve had a large crack extending from the seat rings on the edge to the center of the disk.



## Photograph Descriptions

- \* 1. Crack in disk of gate valve ,
- \* 2. Holes drilled, tapped and studs inserted. Crack terminated. ,
- \* 3. Reinforcement sheet incorporated to add strength. ,
- \* 4. Completed application. ,

## Application Situation

36" gate valve on a crane ship.

## Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet VPF-8. Procedure was followed out on both sides of the disk.

## Belzona Facts

Due to the composition of the ductile iron welding would have been difficult. Welding also would have introduced heat stresses as well as the potential for galvanic corrosion. ABS approved this method to get the vessel back in water with minimal downtime.

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

ISO 9001:2015

FS 695214

ISO 14001:2015

EMS 695213

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manufactured under an ISO  
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