

## BELZONA REPAIRS A GATE VALVE CRACK

### CUSTOMER

Oregon, USA

### APPLICATION DATE

October, 2017

### APPLICATION SITUATION

36" gate valve on a crane ship.

### 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.

### PRODUCTS

Belzona 1111 (Super Metal)

Belzona 9341 (Reinforcement Sheet)

### SUBSTRATE

Ductile Iron

### APPLICATION METHOD

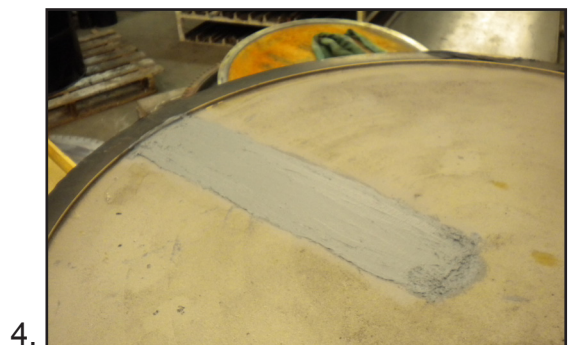
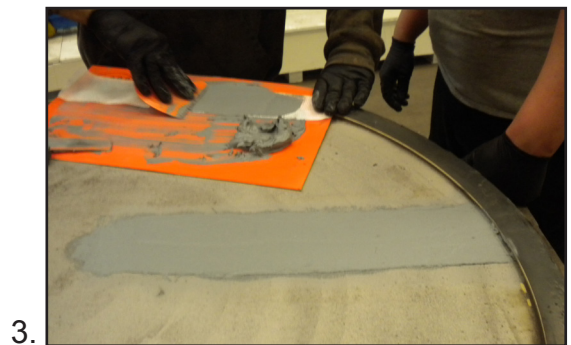
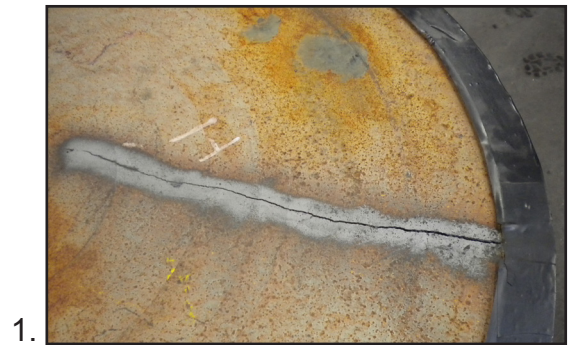
The application was carried out in accordance with Belzona Know-How System Leaflet VPF-8. Procedure was followed out on both sides of the disk.

### 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.

### PICTURES

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.



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