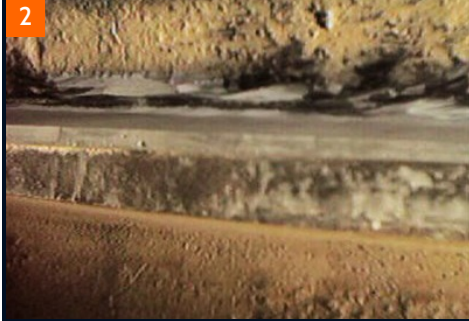


BELZONA GUIDES GATE VALVE REPAIR

ID: 1601



PROBLEM

On both of the trapezoidal guides in the body there was severe metal loss caused during operation of the gate. The material loss was on average 6-8mm, occasionally 10mm (0.4"), over a length of 1600mm (63")

APPLICATION SITUATION

1400mm (55") NB Gate Valve

APPLICATION METHOD

The application was carried out in accordance with Belzona Know-How System Leaflet VPF-4. The guides were grit blasted to remove the corrosion. Moisture was driven out of the cast iron, followed by a second grit blasting. Using forming methods the guides were rebuilt, and then deburred prior to reassembly.

BELZONA FACTS

Since this initial application was carried out a further two valves have been completed for the customer.

INDUSTRY

Buildings & Structures

LOCATION

Timber handling quay on the Ruhr in North-Rhine Westphalia, Germany

APPLICATION DATE

June 1997

PRODUCTS

Belzona 1111 (Super Metal)

SUBSTRATE

Cast Iron

PHOTOS

1. Corrosion to the guides
2. The completed application after forming
3. Refitting the valve
4. Finished repair

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

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