

# Belzona 7311 cold plate bonding on trunnion

ID: 9266

Industry: *Chemical & Petrochemical*  
Application: *VPF-Valves, Pipes and Fittings*  
Substrate: *Carbon steel*  
Products: *Belzona 7311*

Customer Location: *United Kingdom*  
Application Date: *December 2023*

## Problem

*Corrosion had occurred on a trunnion section leading to significant metal loss*



Corroded section covered in wax oil



Surface preparation & wetting out with Belzona 7311



Doubler plates installed & clamped in place



Completed repair overcoated

## Application Situation

Hot works were not permitted in the area. A cold applied system was needed to restore integrity

## Application Method

The area was grit blasted to SA2.5 & 75 microns. The metal surface was then wetted out. Doubler plates were then bonded either side of the defect & clamped to avoid slumping. Once cured the full area was painted.

## Belzona Facts

The repair was completed in one day with much less disruption to site operations than traditional repair methods. The corrosion resistance & high bond strength of Belzona 7311 makes it ideal for this environment.

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ISO 9001:2015  
FS 695214  
ISO 14001:2015  
EMS 695213

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