

# BELZONA REPAIRS A LEAK ON A CATION TANK

ID: 5614

Industry: *Pulp & Paper*

Application: *ENC-Engines and Casings*

Substrate: *Carbon steel & Rubber*

Products: *\* Belzona 1221 (Super E-Metal) ,  
\* Belzona 2111 (D & A Hi-Build Elastomer) ,  
\* Belzona 9341 (Reinforcement Tape) ,*

Customer Location: *Paper Mill, Washington, USA*

Application Date: *June 2015*

## Problem

*Leaking outlet from the demineralization tank. Both metal repairs and rubber lining restoration were necessary.*



## Photograph Descriptions

- \* Cation tank outlet repair using doublers ,
- \* Doubler plates bonded using Belzona 1221 and Belzona 9341 ,
- \* Belzona 2111 applied over the rebuilt area to restore the rubber lining ,

## Application Situation

Outlet from demineralization tank.

## Application Method

The application was carried out in accordance with a modified version of Belzona Know-How System Leaflet ENC-10. Doubler plates were bonded around the new pipe penetration with Belzona 1221. Belzona 9341 was used to span corner openings and wrap to new outlet piping. All the contact surfaces were prepared with an angle grinder. Belzona 2111 was applied directly over the bonded plate repair to restore the rubber lining.

## Belzona Facts

The paper mill undergoing a planned outage for routine repairs included this repair of a leaking outlet from the demineralization tank. A compacted time frame necessitated the use of several materials to repair the leakage prior to start up. The customer was satisfied with the ability to apply Belzona 2111 directly over Belzona 1221 that enabled the job to be done without cure delay and within the startup time frame.

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

Belzona products are  
manufactured under an ISO  
9000 Registered Quality  
Management System.

[www.belzona.com](http://www.belzona.com)

**BELZONA**  
Repair • Protect • Improve