

# BELZONA REPAIRS LEAKING CPVC COOLING WATER LINES

ID: 7721

Industry: Power

Application: VPF-Valves, Pipes and Fittings

Substrate: CPVC

Products: \* Belzona 1212 ,  
\* Belzona 1161 (Super UW-Metal) ,  
\* Belzona 9341 (Reinforcement Tape) ,  
\* Belzona 9111 (Cleaner/Degreaser) ,

Customer Location: Nova Scotia, Canada

Application Date: March 2018

## Problem

The customer was experiencing significant water leaks from a 250mm (10 inch) cooling water line, through an existing non-Belzona wrap repair. The leaks were occurring at the fitted flanges of two separate lines. Due to the severity of the leak, the biomass generation turbine was taken out of service until a Belzona repair could be completed.



## Photograph Descriptions

- \* 1. Water leaking through existing wrap repair. ,
- \* 2. Cleaning CPVC with Belzona 9111. ,
- \* 3. Completed Belzona 1161 repair. ,
- \* 4. Completed Belzona 1161 repair to a parallel line. ,

## Application Situation

Cooling water line for biomass power generation turbine.

## Application Method

Application was carried out in accordance with Belzona System Leaflet VPF-11. The substrate was profiled using a beaver file hand tool. The repair area was marked and cleaned with Belzona 9111, and allowed to dry. The slow trickle of water around the flange fitting was stopped using Belzona 1212. Additional Belzona 1212 was used to chamfer the flange fitting to the main CPVC line.

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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Belzona 1161 was then brushed over the repair area then wrapped with one layer of Belzona 9341 wetted with additional Belzona 1161. Additional Belzona 1161 was used to fully encapsulate the reinforcing tape.

## Belzona Facts

The entire repair was completed in five hours. The biomass generation turbine was started several days later with no leaking visible on the cooling water lines.

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