

# Belzona Florida Repairs Steel Mill

ID: 9416

Industry: *Steel & Metal Processing*  
Application: *ENC-Engines and Casings*  
Substrate: *Stainless-steel*  
Products: *Belzona 1212*

Customer Location: *Duval County, Florida*  
Application Date: *2021*

## Problem

*The transformer could not be shut down and the leak was live. It was constantly spitting a stream of cooling oil.*



Leaking transformer



Mixing the product together



Area completely repaired using the product

## Application Situation

The leak persisted continuously, and shutting down the transformer was not feasible. According to the onsite engineer, an alternative repair approach, involving shutting down the transformer and draining the cooling oil to a level that would allow cleaning the area and welding the hole, was estimated to cost approximately \$30,000. Instead, we effectively plugged the leak using a single 450g unit of Belzona 1212, which cost approximately \$130.

## Application Method

While on site, we did not have Belzona 9611 available, so we prepared a batch of Belzona 1212. We allowed the mixture to reach the six-minute mark of its working life, during which it warmed up and began to cure. At this point, the Belzona 1212 material had hardened sufficiently to be used as a plug. Using a Belzona applicator, we pressed the Belzona 1212 into the live leak hole, effectively sealing it instantly. We also provided instructions to the onsite technicians on how to mix and apply the material. This repair was performed three years ago and remains effective to this day.

## Belzona Facts

The repair saved the steel mill approximately \$30,000, in addition to preventing significant production downtime due to the transformer's unavailability. The engineer at the steel mill continues to use the Belzona 1212 repair kit for various other repairs throughout the facility, consistently saving both downtime and costs.

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

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