

# BELZONA TIRE REPAIR QUICKLY GETS LOADER BACK IN SERVICE

ID: 5937

Industry: *General Industry*  
Application: *SHM-Solids Handling Machinery*

Customer Location: *Tennessee, USA*  
Application Date: *June 2015*

Substrate: *Rubber & Steel*  
Products: *\* Belzona 2311 (SR Elastomer) ,*  
*\* Belzona 2911 (Elastomer QD Conditioner) ,*

## Problem

*A large crack approximately 10 inches long and up to 2 inches deep had developed. There was no spare tire and removing it for vulcanization would leave the operation short of their only loader. This loader was used to supply materials for the entire block plant and without it, the entire operation is down. The deep crack was exposing radial belting and needed something to stop the moisture from attacking the steel radials and keep the crack from running further.*



## Photograph Descriptions

- \* Crack cleaned, roughened, and conditioned. ,
- \* Application of Belzona 2311. ,
- \* Two weeks later, material which had exceeded the conditioned area had peeled and need to be trimmed off (always tape off your edges!). ,
- \* Repair revisited 3 Months after application, Belzona still perfectly adhered. ,

## Application Situation

Repair of the tire sidewall on a front end loader.

## Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet SHM-15. The area to be treated was cleaned with a cleaner/degreaser and then abraded using a wire wheel, Belzona roughing brush and rotary tool. After a final cleaning the area was treated with Belzona 2911 and allowed to dry for 30 minutes. Belzona 2311 was then used to coat the radials and rebuild

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FS 695214  
ISO 14001:2015  
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the profile of the tire. The entire application was completed and the loader was back in service in less than two hours.

## Belzona Facts

Due to downtime concerns, the loader could not be taken out of service for more than a few hours. A new tire was over \$4,000.00 and as long as the crack could be repaired this tire still had a lot of service life remaining. Belzona materials cost the customer less than \$75.00. The hoppers which fed the plant were filled before the repair was started and the repair was completed and cured before the hoppers needed to be refilled, costing them no downtime. This repair was revisited 3 months later and is still performing perfectly.

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