

# BELZONA REPAIR EXTENDS SERVICE LIFE OF TIRE

ID: 5938

Industry: Mining & Quarrying  
Application: SHM-Solids Handling Machinery

Customer Location: Quarry, Tennessee, USA  
Application Date: September 2015

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

## Problem

A large crack had developed in the tire sidewall, over 8 inches long and more than 3 inches deep in places. The "half-track" tire (outer half solid rubber/inner half inflated) was nearing the end of its service life and the customer had ordered a new one but had already been waiting for over two months. The site superintendent was very concerned that the crack would continue to grow and reach a point of being unsafe before new tires became available.



## Photograph Descriptions

- \* Large crack in tire ,
- \* Crack being terminated, cleaned, roughened and conditioned ,
- \* Application of Belzona 2311 in progress ,
- \* Completed application ,

## Application Situation

Large split in the tire (Half Track) sidewall.

## Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet SHM-15. The ends of the crack were rounded out and terminated and the substrate was well cleaned and degreased before roughening with a Belzona roughing brush and rotary tool. The surface was then cleaned a second time, edges were taped off, and the substrate was conditioned with Belzona 2911 and allowed to dry for 30 minutes. After the conditioner had dried, two units of Belzona 2311 were used to fill the crack and rebuild the

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

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surface profile of the tire.

## Belzona Facts

New tires had already been ordered but the customer could not afford the downtime or to send the tire out for vulcanization if this tire failed before their arrival. Just over \$100 of Belzona materials ensured that the tire would remain in service and keep the company producing. The repair was completed at the end of the business day so it didn't cost the operation one minute of downtime.

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