

Belzona repairs 600-metre long Steel plant conveyor belt

ID: 9249

Industry: Steel & Metal Processing

Customer Location: Austria

Application: SHM-Solids Handling Machinery

Application Date: February 2015

Substrate: Rubber

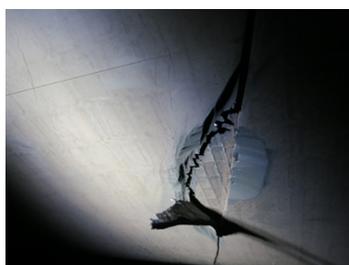
Products: Belzona 2111 (D & A Hi-Build Elastomer), Belzona 2311 (SR Elastomer), Belzona 2911 (Elastomer QD Conditioner)

Problem

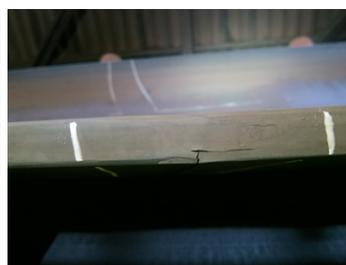
The 600-metre long conveyor belt transports the iron ore to the blast furnace. The belt costs more than 200.000 euros. It takes at least 2 days to replace it. The loss of production costs about 100.000 euros per hour !!!!. After about 8 years of operation, the belt was already so badly worn in some places that the steel belts had become visible.



Conveyor Belt to repair.



Damage to Belt



Damage to Belt



Completed Application

Application Situation

The client tested all the rapid repair systems available on the market. Belzona 2111 and Belzona 2311 performed very well. All other systems had either too little adhesion or less wear resistance. The production downtime for repairs in the summertime was only 8 to 10 hours. We also had repairs in wintertime at minus 15°C. On these occasions, we had to build housing and heat the repair area with propane gas burners to get heat and also enough humidity to dry the primer 2911.

Application Method

The application was carried out in accordance with Belzona system leaflet SHM-1 • FOR REPAIRING RIPPED, TORN AND WORN CONVEYOR BELTS

Belzona Facts

The loss of production costs about 100.000 euros per hour - Belzona repaired this within hours!

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ISO 9001:2015

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FS 695214

manufactured under an ISO

ISO 14001:2015

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EMS 695213

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