

BELZONA PROTECTS INNER TUBES OF TUBULAR CONVEYORS IN WOOD PLANT

ID: 8234



PROBLEM

In the lower third, in which the belt slides on the steel tube, the two tubes of the tubular conveyor were partially so worn that large holes were created. This not only damaged the structure of the pipe, but also allowed the air film to escape, which should be present as a sliding film between the steel pipe and the conveyor belt. The pipeline is over 100 m long. Accessibility, especially in the lower tube, is extremely difficult.

APPLICATION SITUATION

Conveyor belt: rubber: approx. 80-85 Shore A Material to be conveyed: tree bark, maximum temperature of 40 degrees C

APPLICATION METHOD

The application was carried out in accordance with Belzona Know-How Leaflet FBC-02 and FBC-4

BELZONA FACTS

Completed repair at the beginning of the pipeline. The Belzona product in this area extends beyond the steel level as the steel will wear out relatively quickly. It was agreed that additional rollers would be installed that would protect this area from the massive abrasion load.

INDUSTRY

General Industry

LOCATION

Austria

APPLICATION DATE

September 2019

PRODUCTS

Belzona 1321 (Ceramic S-Metal)
Belzona 1311 (Ceramic R-Metal)
Belzona 1212
Belzona 9341 (Reinforcement Sheet)

SUBSTRATE

Carbon Steel

PHOTOS

1. Box construction partially cut open so that the damaged areas were also accessible from the outside.
2. At the points with larger holes, a reinforcement plate was first glued on from the outside. Belzona 1212 applied on the blasted reinforcement plate.
3. Reinforcement plate positioned
4. Finished repair point in the lower tube

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