

Belzona puts Screw Conveyor Back in action

ID: 7736

Industry: Sugar

Application: SHM-Solids Handling Machinery

Customer Location: Sugar Mill, France

Application Date: June 2018

Substrate: Carbon Steel

Products: * Belzona 1311 (Ceramic R-Metal) ,

* Belzona 1331 ,

Problem

Erosion/corrosion caused pitting damage on the screw conveyor surface. Damage due to the beets as well as rocks and gravels.



Photograph Descriptions

- * 1 - Screw Conveyor ,
- * 2 - Extend of the pitting ,
- * 3 - Rebuilding of the pitted areas ,
- * 4 - Belzona 1331 applied as a protective coating ,

Application Situation

Screw conveyor, displacing sugar beets

Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet SHM-14.

Belzona Facts

The customer had carried out a trial using Belzona 1321 over a 2 years period. the coating only showed minor wear (<10% of the surface). It was therefore decided to protect the entire screw using Belzona 1331, which should provide long term erosion protection. As the installation of the screw require work involving a crane, extending the life of the screw in service in critical for this plant in order to save time and money.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015

FS 695214

ISO 14001:2015

EMS 695213

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