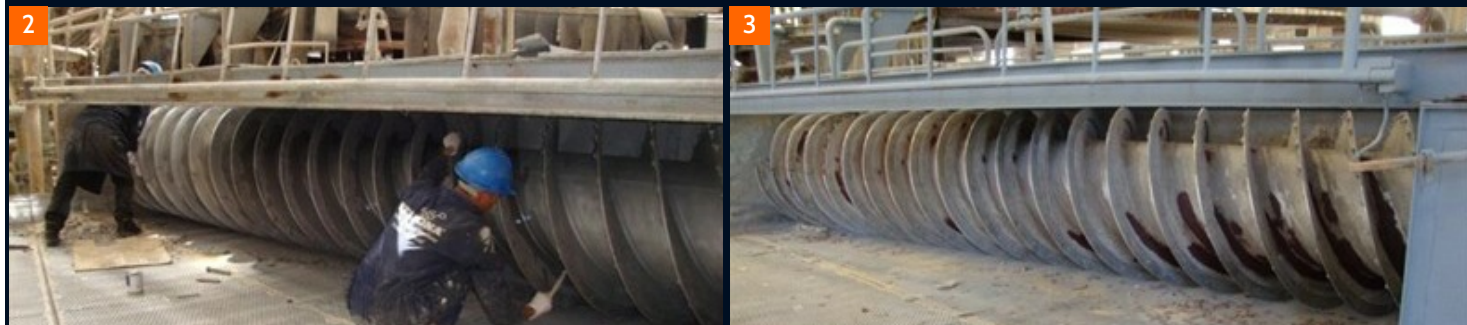


BELZONA REPAIRS AN AUGER SCREW

ID: 1893



PROBLEM

The weld area between the flights and auger shaft had been severely eroded due to the abrasive and corrosive nature of the phosphate. This erosion damage was around 20cm wide and spread over the length of the equipment.

APPLICATION SITUATION

Large screw auger handling Phosphate fertilizer.

APPLICATION METHOD

The application was carried out in accordance with Belzona Know-How System Leaflet SHM-14. The equipment was grit-blasted, degreased, then the eroded areas covered with 40kg of Belzona® 1811.

BELZONA FACTS

The client spent around €10,000 for the application. Compared to the €50,000 that a new auger screw would have cost. This was a considerable saving – even more so considering that the client would normally have had to buy a new auger screw every year, which they avoided thanks to the Belzona repair. As a result so far the client has been able to save around €300,000 over the last 6 years.

INDUSTRY

Chemical & Petrochemical

LOCATION

Chemical fertilizer producer, Tunisia

APPLICATION DATE

February 2005

PRODUCTS

Belzona 1811 (Ceramic Carbide)

SUBSTRATE

Steel

PHOTOS

1. Grit-blasted auger screw
2. Application of Belzona 1811
3. Finished application

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

Belzona products are manufactured
under an ISO 9001 Registered
Quality Management System.

www.belzona.com


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