

BELZONA REPAIRS AN AUGER SCREW

CUSTOMER

Chemical fertilizer producer, Tunisia

APPLICATION DATE

February 2005

APPLICATION SITUATION

Large screw auger handling Phosphate fertilizer.

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.

PRODUCTS

Belzona® 1811 (Ceramic Carbide)

SUBSTRATE

Steel

APPLICATION METHOD

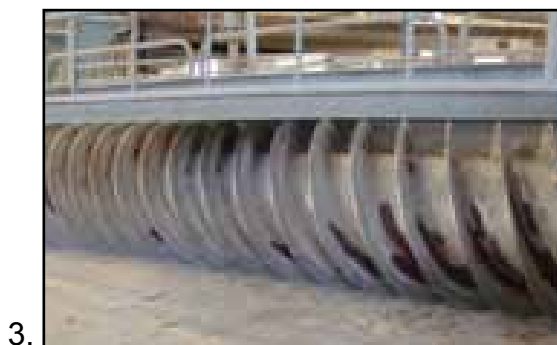
The application was carried out in accordance with Belzona Know-How System Leaflet SHM-14. The equipment was grit-blasted, degreased, then the eroded areas covered with 40kg of Belzona® 1811.

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.

PICTURES

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



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



ISO 9001:2008
Q 09335
ISO 14001:2004
EMS 509612

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