

# BELZONA® 1811 PROTECTS OUTPUT SCROLL

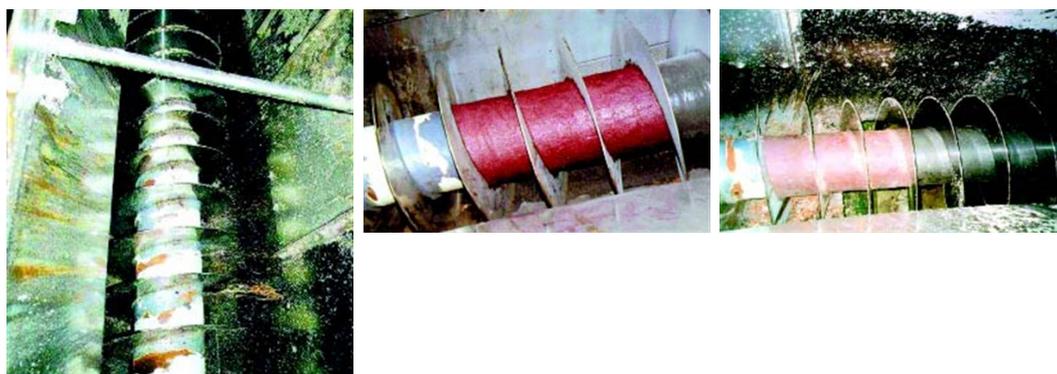
ID: 222

Industry: *Sugar*  
Application: *SHM-Solids Handling Machinery*  
Substrate: *Carbon steel*  
Products: *\* Belzona® 1811 (Ceramic Carbide),*

Customer Location: *Sugar factory in the United Kingdom*  
Application Date: *1999*

## Problem

*Extensive abrasion, up to 7.5mm (30 mils), of the existing glass flake coating and the 25mm (1 inch) thick tubular shaft.*



## Photograph Descriptions

- \* General view of the equipment ,
- \* Application completed with Belzona® 1811 ,
- \* View of equipment following a campaign in service ,

## Application Situation

The cossette scroll located at the diffuser output.

## Application Method

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

## Belzona Facts

If abrasive wear had continued, it would have ultimately caused the structural failure of the scroll shaft. By protecting the scroll shaft with a Belzona® abrasion resistant material during the annual outage, only minor sacrificial wear of the product occurred, thereby leaving the substrate undamaged. Unlike an "imitator's" system, the Belzona protection was found upon inspection at the next outage to be unaffected.

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

Belzona products are  
manufactured under an ISO  
9000 Registered Quality  
Management System.

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