# BELZONA® 1811 PROTECTS OUTPUT SCROLL

ID: 222

Industry: Sugar Customer Location: Sugar factory in the United Kingdom

Application: SHM-Solids Handling Machinery Application Date: 1999

Substrate: Carbon steel

Products: \* Belzona® 1811 (Ceramic Carbide),

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  $^{\circ}$  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 sacrifical 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 Belzona products are
FS 695214 manufactured under an ISO
ISO 14001:2015 9000 Registered Quality
EMS 695213 Management System.

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