

BELZONA PROTECTS SUGAR BEET MIXER SHAFT

ID: 1623

Industry: *Buildings & Structures*
Application: *CEP-Centrifugal Pumps*
Substrate: *Steel*
Products: ** Belzona® 1811 (Ceramic Carbide) ,*
** Belzona® 1121 (Super XL-Metal) ,*

Customer Location: *Sugar beet factory, Switzerland*
Application Date: *2010*

Problem

Loose particles of soil and small pieces of rock, released during the processing of the sugar beet causes abrasion on the shaft.



Photograph Descriptions

- * Shaft after removal of half shells and agitating arms ,
- * Application of Belzona® 1121 ,
- * Application of Belzona® 1811 ,
- * Completed shaft with agitating arms screwed back in place ,

Application Situation

Mixing shaft with 46 half shells on which agitating arms were located

Application Method

Application was carried out in accordance with Belzona Know-How System Leaflets GSS-9 and SHM-14. Belzona® 1121 was used to create irregular shims under the half shells to ensure perfect fit onto the shaft. The exposed areas of shaft were protected with Belzona® 1811 against future abrasion damage.

Belzona Facts

The high quality of the application not only impressed the client, more importantly it also sparked the interest of a further sugar refinery with similar problems.

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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