

Belzona Abrasion protection of vacuum machine parts

ID: 8497

Industry: General Industry
Application: FBC-Fans, Blowers and Compressors

Customer Location: Cement Plant, Macedonia
Application Date: April 2021

Substrate: Carbon Steel
Products: * Belzona 1111 (SuperMetal) ,
* Belzona 1812 (Ceramic Carbide FP) ,
* Belzona 1818 ,

Problem

High wear of the housing, pipes and cone fittings, caused by aggressive abrasion of various materials in the production process



Photograph Descriptions

- * 1. Appearance of the vacuum material collection machine ,
- * 2. Preparation of the inner surfaces of the housing ,
- * 3. Belzona 1812 applied on the internal surface ,
- * 4. Belzona 1818 applied on the internal surface. ,

Application Situation

Housing, pipes and cone fittings from truck vacuum machine

Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet FBC-5 and SHM-8.

Belzona Facts

This work for protection takes place routinely in the local cement plant per year. New pipes last one year before being damaged.

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
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This is why Belzona is used to protect the new parts of this machine. In this case, due to severe damage to the housing, pipes and cone fittings, new pieces of steel sheets were welded by another specialized company and then the parts were protected internally. Belzona 1111, Belzona 1812 and Belzona 1818 were used. The time given for repair, protection and solidifying of the materials was very short and that is why Belzona 1818 was applied to the last part late in the evening in order to mount the parts faster on the truck and to continue working process.

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