

BELZONA REPAIRS AND PROTECTS CENTRIFUGAL PUMP HOUSING IN AN INDUSTRIAL MINE

ID: 5088

Industry: Mining & Quarrying
Application: SHM-Solids Handling Machinery

Customer Location: Gold Extraction Mine, Guatemala
Application Date: December 2006

Substrate: Cast iron
Products: * Belzona® 1111 (Super Metal) ,
* Belzona® 1811 (Ceramic Carbide) ,

Problem

Due to the severe abrasive conditions caused by the suspended solids, the pump casing was severely stripped and holes appeared in the housing.



Photograph Descriptions

- * Centrifugal pump housing ,
- * Holes due to severe abrasion ,
- * Application of the lining ,
- * Application completed ,

Application Situation

Reconstruction and abrasion-resistant lining of the pump housing of the mud conveyor.

Application Method

The preparation of the surface was done using a sand blasting method. The application was carried out in accordance with SSPC-SP 10 and Belzona System Leaflet SHM-11.

Belzona Facts

In this application, Belzona lining is considered a sacrificial material, which saves the mine a lot of expenses, since it reduces

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ISO 9001:2015
FS 695214
ISO 14001:2015
EMS 695213

Belzona products are
manufactured under an ISO
9000 Registered Quality
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maintenance downtime. The mine also avoided crystallization of metal that would have resulted from conventional welding.

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