

BELZONA REPAIRS AND PROTECTS CENTRIFUGAL PUMP HOUSING IN AN INDUSTRIAL MINE

ID: 5088



PROBLEM

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

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 maintenance downtime. The mine also avoided crystallization of metal that would have resulted from conventional welding.

INDUSTRY

Mining & Quarrying

LOCATION

Gold Extraction Mine, Guatemala

APPLICATION DATE

December 2006

PRODUCTS

Belzona 1111 (Super Metal)
Belzona 1811 (Ceramic Carbide)

SUBSTRATE

Cast iron

PHOTOS

1. Centrifugal pump housing
2. Holes due to severe abrasion
3. Application of the lining
4. Application completed

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

Belzona products are manufactured
under an ISO 9001 Registered
Quality Management System.

www.belzona.com


BELZONA

Copyright © 1952-2026 Belzona International Limited.