

## BELZONA REPAIRS AND PROTECTS CENTRIFUGAL PUMP HOUSING IN AN INDUSTRIAL MINE

### CUSTOMER

Gold Extraction Mine, Guatemala

### APPLICATION DATE

December 2006

### APPLICATION SITUATION

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

### PROBLEM

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

### PRODUCTS

Belzona 1111 (Super Metal)

Belzona 1811 (Ceramic Carbide)

### SUBSTRATE

Cast iron

### 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.

### PICTURES

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 <http://khia.belzona.com>



Belzona products are manufactured under an ISO 9000 Registered Quality Management System.

UK • USA • Canada • Thailand  
[www.belzona.com](http://www.belzona.com)

