BELZONA REPAIRS FILTER PLATES IN MINING INDUSTRY

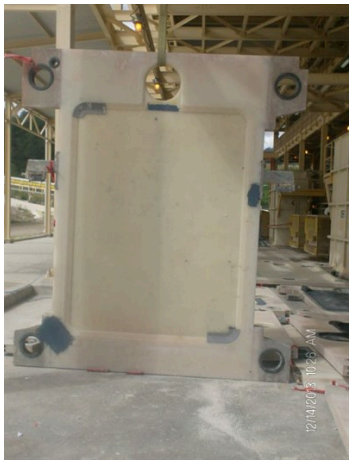
ID: 5568

Industry: *Mining & Quarrying*
Application: *VPF-Valves, Pipes and Fittings*
Substrate: *Polypropylene*
Products: ** Belzona 1311 (Ceramic R-Metal) ,*
** Belzona 1321 (Ceramic S-Metal) ,*

Customer Location: *Mine, Guatemala*
Application Date: *November 2013*

Problem

Due to the stress and abrasive wear these plates are subject to, they exhibit damages, such as grooves and cracks, that can cause a shutdown of the unit, and as a result, a shutdown of operations.

Photograph Descriptions

* View of the size of the filter and its 86 plates installed ,
* Completed plate application ready to be installed back into the filter ,
* Completed plate application ready to be installed back into the filter ,
* Close up view of the application of Belzona 1311 and Belzona 1321 ,

Application Situation

Filtration units use plates built with polypropylene to filter mud in an ongoing process through pressure and compression.

Application Method

The application was carried out in accordance with a modified Belzona Know-How System Leaflet VPF-8. The plates were manually repaired with Belzona 1311 and Belzona 1321 in the damaged areas.

Belzona Facts

A shutdown of production, which would have caused a loss of thousands of dollars each hour that the filter was not in operation, was avoided. This type of equipment is widely used in the mining industry, which represents potential applications with Belzona products.