

Metso Fly Ash Pump

ID: 9195

Industry: Power

Customer Location: Scotland

Application: CEP-Centrifugal Pumps

Application Date: March 2012

Substrate: Carbon steel

Products: Belzona 1121 (Super XL-Metal), Belzona 1812 (Ceramic Carbide FP)

Problem

A pump used to transport fly ash was suffering severe erosion & corrosion in service. Due to the harsh conditions pump parts had to be replaced every 6 months.



Damaged parts after service



Rebuilding of casing



Impeller rebuild & lining



The lining condition after 18 months of service

Application Situation

The original parts were only lasting 6 months. Using Belzona linings took the in service time to over 18 months. These parts could then be relined & put back into service instead of being scrapped.

Application Method

The pump impeller & casing were first grit blasted & then rebuilt using Belzona 1121. 3-6mm of Belzona 1812 was then applied to provide abrasion resistance.

Belzona Facts

The cost of a new slurry pump was over £12,000, the Belzona repair & lining was carried out for approximately £7,000.

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ISO 9001:2015

Belzona products are

FS 695214

manufactured under an ISO

ISO 14001:2015

9000 Registered Quality

EMS 695213

Management System.

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