

METSO FLY ASH PUMP

ID: 9195



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.

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.

INDUSTRY

Power

LOCATION

Scotland

APPLICATION DATE

March 2012

PRODUCTS

Belzona 1121 (Super XL-Metal)

Belzona 1812 (Ceramic Carbide FP)

SUBSTRATE

Carbon steel

PHOTOS

1. Damaged parts after service
2. Rebuilding of casing
3. Impeller rebuild & lining
4. The lining condition after 18 months of service

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

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www.belzona.com

