

BELZONA PROVIDES INTERNAL PUMP REFURBISHMENT WITH CERAMIC COATING SYSTEM

ID: 9639



PROBLEM

The pump suffered severe erosion caused by high solid content in the fluid

APPLICATION SITUATION

The pump experienced severe erosion and extensive wear, resulting in a significant loss of efficiency.

APPLICATION METHOD

- 1. Apply Belzona 1311 to rebuild the worn-out metal
- 2. Overcoat the rebuilt pump with Belzona 1321 (Ceramic S-Metal)

BELZONA FACTS

The pump was taken out of service and considered beyond repair. However, with the expertise of the Belzona distributor, it was successfully restored and returned to operation with minimal downtime

INDUSTRY

Chemical & Petrochemical

LOCATION

Saudi Arabia

APPLICATION DATE

September 2023

PRODUCTS

Belzona 1311 (Ceramic R-Metal)
Belzona 1321 (Ceramic S-Metal)

SUBSTRATE

Stainless-steel

PHOTOS

- 1. Erosion evidence on pump component due to high solid content
- 2. Surface preparation on the pump before the application of Belzona system
- 3. Pump surface was rebuilt with Belzona 1311 (Ceramic R-Metal)
- 4. Once the surface was rebuilt, Belzona 1321 (Ceramic S-Metal) was applied to enhance protection and prevent further damage.