

BELZONA 1593 PROVEN TO PROVIDE LONG TERM PROTECTION IN MOLTEN SULPHUR

ID: 8856



PROBLEM

Sulphur was condensating on the equipment and attacking the externals of several pumps causing high levels of corrosion. This was resulting in a short working life of the pumps.

APPLICATION SITUATION

Sulphur pit internal equipment began showing corrosion spots, so required protection from further damage.

APPLICATION METHOD

The surface to be coated was grit blasted to a surface cleanliness of Sa2½. Belzona 1593 was then applied in two coats to provide outstanding corrosion protection. The application was carried out in accordance with Belzona Know-How System Leaflets VPF-2.

BELZONA FACTS

Since 1997, Belzona 1591 has been used to coat many of the pumps in a sulphur pit. When this product was replaced by Belzona 1593, the client was keen to utilise this improved solution however there was minimal testing available in this type of situation. This pump was originally coated in 2017, when the pumps were revisited in 2022, there was little damage to the coating. The client chose to fully recoat the pipes even though a small repair would have been sufficient.

INDUSTRY

Oil & Gas

LOCATION

Oil Refinery, UK

APPLICATION DATE

January 2016

PRODUCTS

Belzona 1593

SUBSTRATE

Carbon Steel

PHOTOS

1. Pipes grit blasted ready for application of Belzona coating
2. Pipes coated with Belzona 1593
3. Pipes coated with Belzona 1593
4. Pipes revisited 5 years later showing minimal damage to the coating

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