

EJECTOR OIL SURGE DRUM PROTECTED AGAINST CHEMICAL ATTACK

ID: 9795



PROBLEM

A new ejector oil surge drum required a protective coating for high temperatures and chemical resistance against sulfuric acid

APPLICATION SITUATION

A new ejector oil surge drum was commissioned and as part of the specification, required a chemical resistant and high temperature coating to prolong life expectancy of asset

APPLICATION METHOD

Surface preparation was carried out by grit blasting, within our state of the art blasting booth.

Once the steel substrate had been prepared to a standard of minimum surface profile of 75µm and a surface cleanliness of SA 2½, our technicians inserted nozzle inserts using premanufactured components.

Next a 2 coat system of Belzona 1593 was applied at a target thickness of 375µm per coat.

BELZONA FACTS

Belzona 1593 will outperform conventional Vinyl Ester Glass Flake (VEGF) coatings in terms of mechanical strength and adhesion, together with reduced shrinkage and VOC emissions. It bonds strongly to most metallic surfaces and presents an excellent retention of adhesion at elevated temperatures. This high performance coating is also resistant to steam-out process to 210°C (410°F) and rapid depressurisation.

INDUSTRY

Oil & Gas

LOCATION

United Kingdom

APPLICATION DATE

June 2024

PRODUCTS

Belzona 1593

SUBSTRATE

Carbon steel

PHOTOS

1. View of ejector
2. inside view
3. 1st Coating
4. Finished Application

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

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under an ISO 9001 Registered
Quality Management System.

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