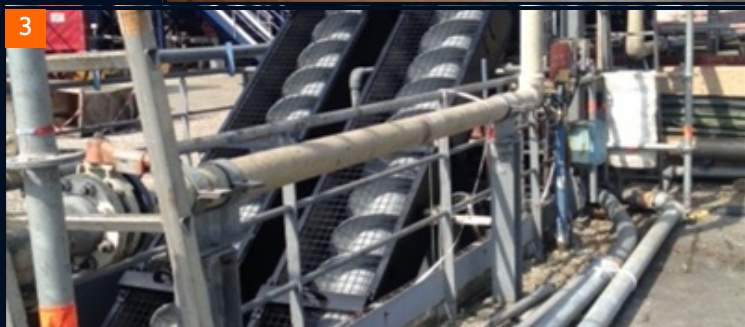


BELZONA PROTECTS A SCREW CONVEYOR WITHIN A PETROCHEMICAL REFINERIES' WASTEWATER FACILITY.

ID: 9117



PROBLEM

The screw conveyors transporting solid waste matter separated from water within a Wastewater treatment facility, suffered daily abrasion whilst in operation, causing the screw fins to be damaged. Additionally, the screw trough was badly abraded leading to efficiency losses due to too large a tolerance between the screw trough and screw fins.

APPLICATION SITUATION

Screw conveyor within a Petrochemical Refineries' wastewater management facility.

APPLICATION METHOD

The screw trough was coated using Belzona 5811, an immersion-grade epoxy barrier coating, prior to being overcoated by black paint for aesthetics. The screw was also coated with an epoxy coating Belzona 1341, however, the latter is designed to increase the efficiency and reduce waste material drag. The application was carried out in accordance with Belzona System Leaflet SMH-14.

BELZONA FACTS

The Belzona Distributor was able to provide a turnkey solution in a fraction of the time and cost of buying a new screw & trough, therefore, eliminating any further future downtime expected.

INDUSTRY

Chemical & Petrochemical

LOCATION

Rouen, France

APPLICATION DATE

August 2022

PRODUCTS

Belzona 1341 (Supermetalgilde)
Belzona 5811 (Immersion Grade)

SUBSTRATE

Carbon steel

PHOTOS

1. Screw during the Belzona 1341 application.
2. Screw & trough once completed.
3. Screw & trough once put back into service.

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

Belzona products are manufactured under an ISO 9001 Registered Quality Management System.

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