

BELZONA 1814 SCREW CONVEYOR PROTECTION

ID: 9652

Industry: Water / Wastewater
Application: SHM-Solids Handling Machinery

Customer Location: United Kingdom
Application Date: November 2019

Substrate: Carbon steel
Products: Belzona 1814

Problem

Screw conveyor used to skim sludge from the base of a silo at a biomass plant.



Initial condition



After Belzona 1814



After Belzona 1814

Application Situation

High abrasion was leading to unprotected screws only lasting 3-4 months in service. Previous Belzona applications on this type of screw was completed with Belzona 1812, which extended their life to over 2 years.

Application Method

The screw conveyor was grit blasted to SA2 1/2 with a minimum surface profile of 3 mil (75 microns). The area to be coated was then cleaned and degreased using Belzona 9111. Belzona 1814 was applied to the entire area of the conveyor to provide long-term protection against heavy abrasion.

Belzona Facts

The client was keen to try Belzona 1814 on their latest screw conveyor as had previously had success with Belzona 1812

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ISO 9001:2015
FS 695214
ISO 14001:2015
EMS 695213

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