

An Auger in a concrete precast company gets the Belzona treatment.

ID: 9702

Industry: Cement
Application: SHM-Solids Handling Machinery

Customer Location: Hamilton, Ontario
Application Date: July 2017

Substrate: Carbon steel
Products: Belzona 1812 (Ceramic Carbide FP), Belzona 9111 (Cleaner Degreaser)

Problem

A newly fabricated Auger for a concrete precast company requires protection from abrasion corrosion to extend its service years and avoid the long wait period of purchase from fabricators.



Auger after abrasive blasting.



Auger during application of Belzona 1812.



Application completed with Belzona 1812.

Application Situation

The customer was seeking a durable solution against a high level of abrasion corrosion. They were interested based on the comprehensive parameters and case studies shared on similar parts under the same condition in the mining and quarrying industry.

Application Method

The part was grit blasted to the required level of cleanliness as stipulated on the product's IFU. The vanes were then covered with Belzona 1812 for optimum abrasion resistance.

Belzona Facts

The customer put the auger in service and inspected it after few weeks to ascertain the level of protection by Belzona. They were pleased to see that the equipment itself is isolated from the abrasive nature of the concrete components.

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

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