

BELZONA PROTECTS HOG FUEL SCREW CONVEYOR

ID: 6009

Industry: Pulp & Paper

Application: SHM-Solids Handling Machinery

Customer Location: Montana, USA

Application Date: 2004

Substrate: Carbon Steel

Products: * Belzona 9111 (Cleaner Degreaser),
* Belzona 1812 (Ceramic Carbide FP),

Problem

The worn auger would be replaced periodically due to the flights being too thin. The manufacture and replacement of these augers were expensive. The life of the auger was hard to predict due to the varying raw material supplied and the changing demand. Downtime was not a good option when supplying the critical nature of the Boilers.



Photograph Descriptions

- * Grit Blasting of auger ,
- * Belzona 1812 applied to base of flighting ,
- * Shipping wrap placed over Belzona 1812 to smooth surface ,
- * Full length of auger protected and improved ,

Application Situation

The raw wood supplied to this Pulp and Paper Mill used to burn in the Boiler for process steam was transported to the Boiler house via this auger. The abrasive nature of the media would wear the base of the flighting on this auger.

Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet SHM-14 and Belzona product Instructions For Use.

Belzona Facts

Because of the critical nature of this equipment, a spare auger shaft or screw conveyor was kept on standby. This allowed the

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ISO 9001:2015

FS 695214

ISO 14001:2015

EMS 695213

Belzona products are
manufactured under an ISO
9000 Registered Quality
Management System.

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application to be performed with no downtime. Because the auger could be coated on site, the cost of protecting and improving the auger far outweighed the replacement and shipping costs of the auger.

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