

# Shaft repair on Screw Conveyor

ID: 8933

Industry: *Pulp & Paper*  
Application: *MPT-Mechanical Power Transmission*

Customer Location: *Crofton, BC*  
Application Date: *January 2023*

Substrate: *Carbon steel*  
Products: *Belzona 1321 (Ceramic S-Metal)*

## Problem

*The customer had a bearing failure which resulted in sever metal loss on the shaft.*



Damaged shaft



Surface prep in progress



Mold in place and injection of Belzona 1321 Ceramic S Metal complete



Completed repair

## Application Situation

The alternative if replacement would of required full disassembly, roof removal, crane work, new fabrication and new installation. This would all lead to added downtime and added cost because of the downtime and the parts replacement

## Application Method

A mold was fabricated by the mill and the injection of fluid material Belzona 1321 was chosen and approved by the customer. This was done by guidance of the proper belzona Application Know How document for this application, MPT-02.

## Belzona Facts

The customer has trusted Belzona repairs for years and was thrilled with the result Cost savings were >50K vs the alternative repair method.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

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

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