

# BELZONA REBUILDS CHIPPER DISC POCKETS

ID: 5346

Industry: Pulp & Paper

Customer Location: Idaho, USA

Application: SHM-Solids Handling Machinery

Application Date: 1985

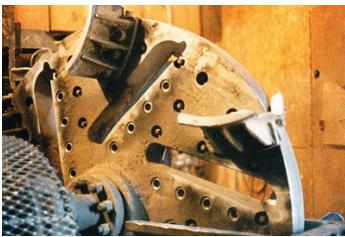
Substrate: Cast Steel

Products: \* Belzona 1811 (Ceramic Carbide) ,

\* Belzona 9411 (Release Agent) ,

## Problem

Wood chips wear the cast steel as they slide across the spinning disc pockets. When the pockets wear too far the chips break causing what is called "fines". If this occurs, the price that the mill receives for their chips will be lowered.



## Photograph Descriptions

- \* Worn chipper disc ,
- \* Close up of worn pocket ,
- \* & 4. Chipper disc pockets rebuilt ,

## Application Situation

Sawmill chipper disc.

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet SHM-13. The knives and counter knives are removed. The pocket is grit blasted. The counter knives are coated with Belzona 9411 and reinstalled, they are used as a guide for the thickness of the Belzona 1811. Belzona 1811 is mixed and applied to the pocket. Let it cure for 40 minutes to an hour. Wearing rubber gloves, add dish soap to water. Use the mixture to press the carbide chips into the ceramic making a smooth surface. This prevents the chips from clogging the disc.

## Belzona Facts

The standard method of repair by removing, welding, machining and stress relieving can cost upwards of \$30,000.00 and take 3

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ISO 9001:2015

Belzona products are

FS 695214

manufactured under an ISO

ISO 14001:2015

9000 Registered Quality

EMS 695213

Management System.

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weeks or more to complete. Some mills will have a spare disc to install. Swapping discs can take two days. The Belzona rebuild can be done on a Saturday morning and the disc can be back in service Monday morning with the cost of less than \$1,500.00.

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