

# BELZONA REBUILDS AND PROTECTS THIS SUCTION PUMP END PLATE

ID: 342

Industry: Pulp & Paper  
Application: CEP-Centrifugal Pumps  
Substrate: Steel  
Products: \* Belzona® 1311 (Ceramic R-Metal) ,  
\* Belzona® 1321 (Ceramic S-Metal) ,

Customer Location: Bleached Kraft Paper Mill in Japan  
Application Date: March 1990

## Problem

*This end suction pump carrying a combination of medium consistency stock, alkaline medium, and chlorine carry over at 70°C, eroded and corroded the end plate of this pump. The pump was no longer able to move the required volume of liquid per batch.*



## Photograph Descriptions

- \* End plate metal loss clearly evident ,
- \* Rebuilt end plate with Belzona® 1311 (Ceramic R-Metal) ,
- \* Resurfaced and final repair with Belzona® 1321 (Ceramic S-Metal) ,

## Application Situation

Alkaline extraction pump end plate.

## Application Method

The application was carried out in accordance with Belzona Know-How System Leaflets CEP-3 and CEP-5.

## Belzona Facts

Alkaline extraction pumps operate at approximately 70°C (158°F) and suffer from a combination of chlorine and caustic attack at 12-15% medium stock consistency.

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

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

[www.belzona.com](http://www.belzona.com)

  
**BELZONA®**  
Repair • Protect • Improve