

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

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