

# BELZONA EXTENDS THE LIFE OF HYDRAULIC RAMS

ID: 5364

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

Customer Location: *WA, USA*  
Application Date: *1985*

Substrate: *Steel*  
Products: *\* Belzona 1111 (Super Metal) ,*

## Problem

*Three hydraulic rams had been scored and the loss of oil was so bad that they had built a dam so the oil would drain into a 55 gallon drum. At the end of each shift the oil was pumped back into the reservoir. They had tried repairing the score with another material, but it fell off after one pass.*



## Photograph Descriptions

- \* Plywood press showing damaged hydraulic rams ,
- \* Rams repaired ,
- \* Close up of one repaired ram ,

## Application Situation

Plywood press with scored hydraulic rams.

## Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet MPT-3. The damaged area was so large that a straight edge could not be used. We ground a shoulder following the damage, drilling the corners to keep the edges square.

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.

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## Belzona Facts

Fabricating new rams was so expensive that they were searching for a used plywood press to replace the unit. Still, the cost would be thousands of dollars. Less than \$100.00 of Belzona 1111 along with a half a day's labor saved the plywood press. Thirty years later, the plywood press with the repaired rams is still operating.

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