

# EXTENDED DOWN TIME AVERTED BY USING BELZONA

ID: 286

Industry: General Industry  
Application: MPT-Mechanical Power Transmission

Customer Location: Steel manufacturer in Alabama, USA  
Application Date: 1995

Substrate: Steel  
Products: \* Belzona® 1121 (Super XL-Metal) ,

## Problem

*Excess tolerances in the spline caused problems with the smooth trans-mission of force to the mandril for pipe manufacture.*



## Photograph Descriptions

- \* Application of Belzona® 1121 to spline ,
- \* Liberal amounts of Belzona® 1121 to spline ,
- \* The gear is being fitted onto the spline ,
- \* Final location of gear alignment ,

## Application Situation

Shaft spline used as the main transmission of power to the mandril mill.

## Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet MPT-5. Belzona® 9411 (Release Agent) was applied to the gear, and Belzona® 1121 (Super XL-Metal) was liberally applied to the spline and gear before mating.

## Belzona Facts

These large splines would have had to be custom fabricated, which would exceed the normal shutdown time frame. The Belzona application took place in the steel mill's machine shop.

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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