

# BELZONA KEEPS THIS SPLINE ON THE STRAIGHT AND NARROW

ID: 284

Industry: *General Industry*

Customer Location: *Steel manufacturer in USA*

Application: *MPT-Mechanical Power Transmission*

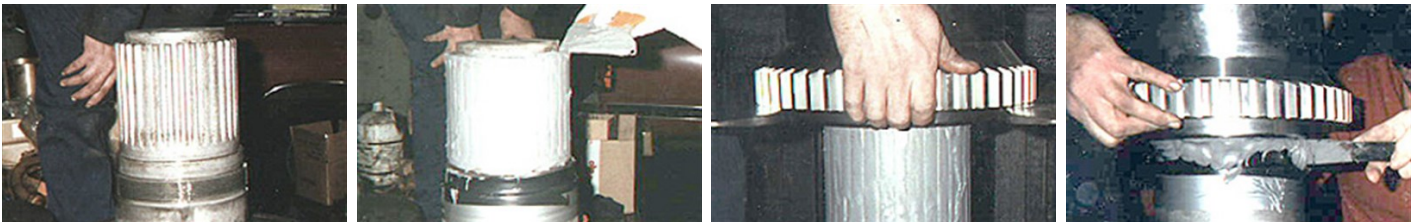
Application Date: *1995*

Substrate: *Steel*

Products: *\* Belzona® 1111 (Super Metal) ,  
\* Belzona® 9411 (Release Agent) ,*

## Problem

*Wear of the shaft spline due to abrasive contamination as well as misalignment caused excess slop in the drive and eventual failure of the mandril unit.*



## Photograph Descriptions

- \* The equipment prior to the application ,
- \* Belzona® 1111 is being applied to the spline ,
- \* The spline and socket are being mated ,
- \* Excess material is being removed ,

## Application Situation

Planetary gear spline for mandril mill manufacturing pipe.

## 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 socket and Belzona® 1111 (Super Metal) was applied to both the socket and spline before mating the two pieces.

## Belzona Facts

The spline was in perfect condition 5 years later when the mill finally decided to replace the spline coupling.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015

Belzona products are

FS 695214

manufactured under an ISO

ISO 14001:2015

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EMS 695213

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