

BELZONA KEEPS THIS SPLINE ON THE STRAIGHT AND NARROW

ID: 284

Industry: General Industry
 Application: MPT-Mechanical Power Transmission

Customer Location: Steel manufacturer in USA
 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
 FS 695214
 ISO 14001:2015
 EMS 695213

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