

EXTENDED DOWN TIME AVERTED BY USING BELZONA

ID: 286



PROBLEM

Excess tolerances in the spline caused problems with the smooth transmission of force to the mandril for pipe manufacture.

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.

INDUSTRY

General Industry

LOCATION

Steel manufacturer in Alabama, USA

APPLICATION DATE

1995

PRODUCTS

Belzona 1121 (Super XL-Metal)

SUBSTRATE

Steel

PHOTOS

1. Application of Belzona 1121 to spline
2. Liberal amounts of Belzona 1121 to spline
3. The gear is being fitted onto the spline
4. Final location of gear alignment

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

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under an ISO 9001 Registered
Quality Management System.

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