

EXTENDED DOWN TIME AVERTED BY USING BELZONA

CUSTOMER

Steel manufacturer in Alabama, USA

APPLICATION DATE

1995

APPLICATION SITUATION

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

PROBLEM

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

PRODUCTS

Belzona® 1121 (Super XL-Metal)

SUBSTRATE

Steel

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 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.

PICTURES

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



1.



2.



3.



4.

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