## **EXTENDED DOWN TIME AVERTED BY USING BELZONA**

ID: 286

Industry: General Industry Customer Location: Steel manufacturer in Alabama, USA

Application: MPT-Mechanical Power Transmission 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.