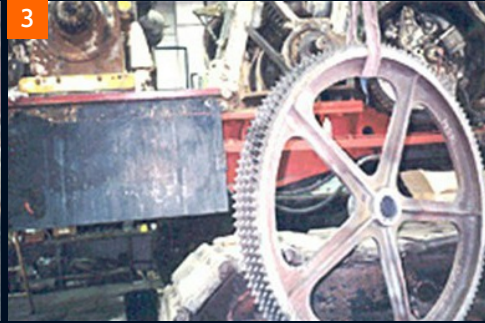


BELZONA SAVES THIS BULL GEAR FOR A SECOND TIME

ID: 303



PROBLEM

12-years prior, the assembly was rebuilt with Belzona® 1111 (Super Metal) which needed refurbishment. Excess play in the spline made it difficult for precision movements.

APPLICATION SITUATION

Bull gear and spline for 100-ton overhead crane.

APPLICATION METHOD

The application was carried out in accordance with Belzona Know-How System Leaflet MPT-5.

BELZONA FACTS

Both the male spline and the female socket of the bull gear were blasted. Belzona® 9411 (Release Agent) was applied to the spline and Belzona® 1311 (Ceramic R-Metal) was applied to both, subsequently mated, aligned and indexed. There is really no affordable alternative for this 35-year old bull gear. It would have to be custom fabricated, which is both time consuming and costly.

INDUSTRY

General Industry

LOCATION

Heavy equipment company in Ontario, Canada

APPLICATION DATE

June 2001

PRODUCTS

Belzona 1311 (Ceramic R-Metal)

SUBSTRATE

Steel

PHOTOS

1. Damage bull gear spline
2. Belzona 1311 (Ceramic R-Metal) applied to socket
3. Lifting gear into position
4. Aligning bull gear onto spline

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

Belzona products are manufactured under an ISO 9001 Registered Quality Management System.

www.belzona.com

