

## BELZONA EXTENDS THE LIFE OF THE SHAFT

**CUSTOMER**  
MT, USA

**APPLICATION DATE**  
1986

**APPLICATION SITUATION**  
Coke shaker keyway.

**PROBLEM**  
The shafts in this coke shaker really take a beating. It was believed that the keyway was machined oversize by mistake. The sheave was also loose on the shaft.

**PRODUCTS**  
Belzona 1111 (Super Metal)

**SUBSTRATE**  
Steel

**APPLICATION METHOD**  
Application was carried out in accordance with Belzona Know-How System Leaflet MPT-4. The keyway was formed in place using a new key. Because the shaft was also slightly undersized, it was ground as well. Belzona 1111 was applied all the way around the shaft and the sheave was replaced, centering the key.

**BELZONA FACTS**  
Normally a shaft will only last a few months. This shaft was just installed a few days earlier. The shaft was 26' long, requiring complete disassembly to replace it. \$20.00 and Belzona 1111 saved the shaft. It was also still running 6 months later, longer than any shaft had lasted in this rough service.

### PICTURES

1. Showing the wear on one side of the keyway
2. Key in place and Belzona 1111 on the shaft
3. Completed application and equipment reassembled, ready to shake



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



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