

## BELZONA CREATES PERFECT FIT FOR CRUSHER BUSHING

### CUSTOMER

Lead Mine, Central Missouri USA

### APPLICATION DATE

May, 2008

### APPLICATION SITUATION

The Secondary Crusher.

### PROBLEM

Upper Crusher Bushing seized on crusher shaft and spun inside the housing, resulting in loss of approximately .025" to the inner diameter. Housing suffered additional damage from cutting torch while removing old bushing.

### PRODUCTS

Belzona® 1111 (Super Metal)

Belzona® 1321 (Ceramic S Metal)

### SUBSTRATE

Steel

### APPLICATION METHOD

Application was carried out in accordance with Belzona Know-How System Leaflet MPT-7. Belzona® 1111 was used to fill grooves cut by welding torch and Belzona® 1321 to restore inner diameter tolerances using the new bushing re-form the housing.

### BELZONA FACTS

Conventional weld repairs and line boring risked hardening/cracking of the assembly, with anticipated costs of \$70,000-\$76,000 and extensive downtime. Belzona solution was completed in 1 day for less than \$2500!

### PICTURES

1. Upper Crusher Assembly (note size and weight)
2. Damage to housing I.D and flange surface
3. Release Agent being applied to new bushing
4. New bushing lowered in place with jacking bolts used to position bushing



1.



2.



3.



4.

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



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