

BELZONA CREATES PERFECT FIT FOR CRUSHER BUSHING

ID: 1227

Industry: Mining & Quarrying

Application: MPT-Mechanical Power Transmission

Customer Location: Lead Mine, Central Missouri USA

Application Date: May, 2008

Substrate: Steel

Products: * Belzona® 1111 (Super Metal) Belzona® 1321 (Ceramic S Metal),

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.



Photograph Descriptions

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

Application Situation

The Secondary Crusher.

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!

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

ISO 9001:2015

FS 695214

ISO 14001:2015

EMS 695213

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