

Project: Shaft Repair 2



The Problem

This photograph shows the shaft of a Single Toggle Jaw Crusher located in a mining facility. The bearings of the shaft weighing 3,000 pounds and costing over \$20,000 new had been exposed as a result of this aggressive working environment and many years of use. Four areas of heavy wear were identified for refurbishment. The client required a high-performance engineering repair solution.

The Solution

The worn sections were suitably prepared to create a rough surface profile, ensuring any loose material and surface contaminants had been removed with **USI Universal Cleaner**. **USI Engineering Metal Repair** was then used to affect a long-lasting repair to the shaft. After a minimum cure time of 2 hours, the shaft was machined back to its original diameter and force cured at 212F for 24 hours using heating pads prior to re-installation.

USI Engineering Metal Repair is a two component, engineering grade metal repair compound which does not corrode and provides good mechanical strength in one easy application.

