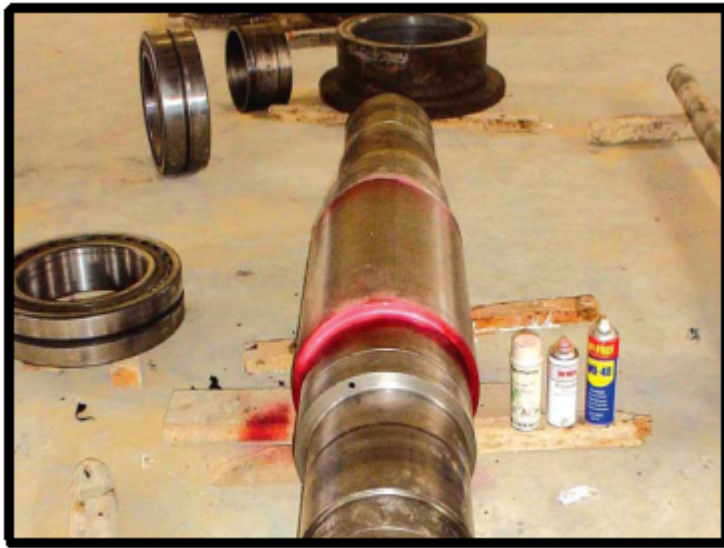


Project: Shaft Project



The Problem

This photograph shows the shaft of a Single Toggle Jaw Crusher located in a mining facility. The bearings of the shaft weighing 2,866 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 Metal Repair EG** 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 Metal Repair EG is a two component, engineering grade metal repair compound which does not corrode and provides good mechanical strength in one easy application.

The client was very pleased with the results and the cost savings involved, so much so that further refurbishment projects are now planned with The USI Team

