

# Chesterton® Custom Seal Kit Saves \$30K in Cylinder Repairs

Mining and Ore Processing Industry  
W21K made from AWC860  
Polymer Seal Case Study

## Challenge

### Background

A customer received an opportunity to repair a large mining shovel cylinder. Upon further inspection, the customer noted that the wiper groove had been modified from its original dimensional specifications to a larger size. The head gland was inspected and deemed reusable; however, an OEM seal kit could not be used. The customer's only option was to replace the gland with a new gland at the cost of \$30K, jeopardizing their bid to capture the end user's repair business.



Head gland.

## Solution

### Product

A Chesterton specialist measured the cylinder and provided a custom seal kit including a **Chesterton® 21K Wiper Seal** made from **AWC860 high temperature polyurethane** material machined to the customer's exact equipment dimensions.



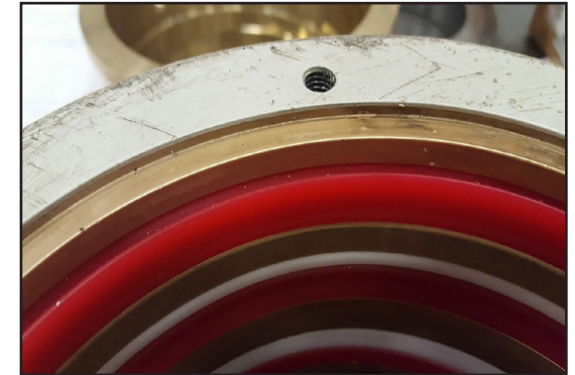
Mining shovel with cylinder in need of repairs.

## Results

### Increased Reliability

The customer was able to win the bid by using a custom **Chesterton EPS Mining Kit** and showing the \$30K in savings created. This helped solidify the end user relationship and place **Chesterton** as the preferred kit vendor moving forward.

\$=USD



Chesterton 21K Wiper Seal.