

## Challenge

### Background

The rail car dumper lifts and tips a rail car which weighs 40 tons, fully laden with 45 tons of coal. The total weight equals 85 tons. Up to 120 rail cars are unloaded monthly. The bearing life using a lithium complex grease was 6-8 months.

Bearing inspection indicated excess wear, fine spalling, and pitting corrosion.



*Bearing inspection revealed poor condition.*

## Solution

### Product

**Chesterton 615 HTG #2** was recommended due to the heavy weld load and for its superior water and corrosion resistance.



*Applied Chesterton 615 HTG #2*

## Results

- The higher performance grease has resulted in continuous service for four years with no bearing failure.
- This record is 8x the bearing life prior to this solution.



*The high-performance grease resulted in greatly extended reliability.*