

## Challenge

### Background

- A large coal to liquid fuel plant uses a wire rope driven mechanism to “shunt” rail tank cars for filling.
- Previously a mixture of grease and diesel fuel was used to lubricate the 16 wire ropes.
- The wire ropes frequently broke, resulting in 4 hours downtime for repair each time.
- The ropes typically had to be replaced every 3 years at a cost of \$115,000 each.



Crane cable lubricants dry out, trap dirt and fail to prevent corrosion after 12 months.

## Solution

### Product

**Chesterton 715 Spraflex® Gold** applied manually to rollers every 3-4 months.

After 2 years of using **Chesterton 715**, the plant had not experienced any production delays due to rope breakage.



A side-by-side trail with OEM Lubricant proves the value of Chesterton 715.

## Results

The wire rope replacement period has been extended from 3 years to 5 years.

### Previous Wire Rope Costs (3-yr. life cycle)

16 wire ropes @ \$115,000/ea:	\$ 1,840,000
\$1,840,000/3-yr. life cycle:	\$ 613,333/yr.)

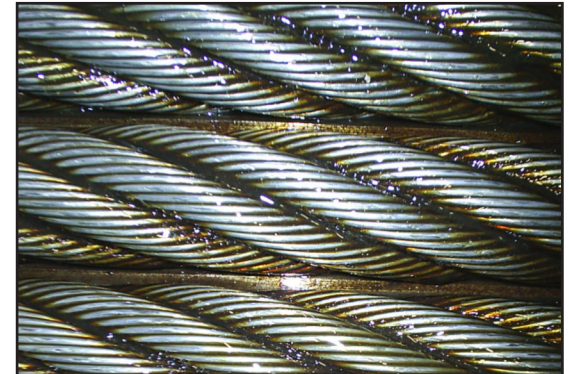
### New Wire Rope Costs (5-yr. life cycle)

Current \$1,840,000/5 yrs.:	\$ 368,000/yr.
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**Savings (5-yr. vs 3-yr. life cycle): \$ 248,333/yr.**

(+ reduced labor costs and downtime)

\$=USD



Cleaned, lubricated, and protected.