

Challenge

Background

A log transport conveyor relied on grease for chain lubrication due to its outdoor exposure, requiring corrosion resistance. While the grease provided some protection, it failed to penetrate the pins and bushings, leading to significant wear and unplanned chain failures.

Customer was facing at least 4 incidents of chain breakage and replacement a year. The customer needed an oil-based solution that could penetrate the chain's interior while also forming a protective coating against water washout and corrosion.



Log transport chains in woodyard experiencing excessive wear.

Solution

Product

A Chesterton specialist recommended **Chesterton® 720 CCG lubricant** to address both wear and corrosion issues faced by the customer. **720 CCG**, an oil-gel technology, penetrates deep into pins and bushings to reduce wear while simultaneously forming a protective surface coating that prevents water washout and corrosion.



720 CCG with QBT™ oil-gel that penetrates the insides of chains as well as coats the surface from outside.

\$ = USD

Results

Increased Reliability

During the 1 year trial period, the customer experienced no chain breakage due to wear and significantly reduced corrosion from water exposure. Additionally, oil consumption dropped by up to 70%, while unplanned shutdowns and downtimes were significantly reduced, leading to a noticeable increase in operational efficiency.

Downtime from unplanned shutdowns	= \$60,000/year (4X per year)
Labor and repair cost	= \$10,000/year
Chesterton solution cost	= \$8,000/year
Customer savings	= \$62,000/year



720 CCG being applied to the chains.