720 CCG Solves Contamination Problem in Steel Mill

Steel Industry
720 Chain Cable and Gear Lubricant with Diluent
IL/MRO Case Study

Challenge

Background
A stainless steel producer faced issues with wire rope lubrication of its hoist system. The lubricant failed to penetrate deeply enough to provide proper lubrication, resulting in unplanned wire rope repairs. In addition, excess lubricant squeezed out and contaminated the high-quality stainless steel coils. As a result, the coils required an extra operation step of cleaning before shipping to customers.

They needed a product that could penetrate deep inside the wire rope and did not drip onto the finished product.

Solution

Product
Due to cleanliness requirements, **Chesterton® 720 CCG with diluent** was recommended. The **720 CCG** was easily applied by brushing it onto the wire rope.

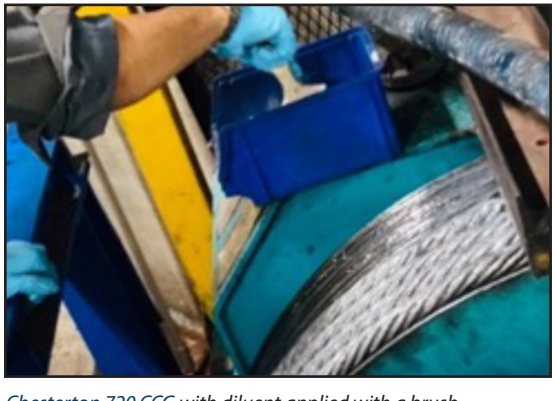
As an oil-gel, **720 CCG** effectively penetrates inside the wire rope while being tacky enough to prevent squeeze-out, offering optimal lubrication without contamination.

Results

Reliability and Productivity
After using **720 CCG** with diluent, the customer reported significant improvements:

- Less lubricant residue dripping onto or contaminating the finished stainless steel coils
- Extended re-lubrication cycles—from 1 month with grease to 4 months with **720 CCG**
- No breakdowns, leading to increased productivity

Wire rope hoist system inside the steel mill for moving stainless steel coils inside the plant.



Chesterton 720 CCG with diluent applied with a brush on the wire rope.

Fewer breakdowns, less contamination on the steel coils after using Chesterton 720 CCG.

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