



**We are committed to
Reducing your maintenance costs!™**



High efficiency lubricant and corrosion inhibitor for chain and cable

DESCRIPTION

The polar nature of Chain & Cable Lube allows the product to “creep.” This action causes the lubricant to penetrate into the internal mechanisms of drive chains, sprocket teeth and seats. CCL also protects against premature wear between steel cable strands.

CCL is clear which makes it easier to inspect the wires and has very good adhesive property which creates a strong protective film. CCL will not washout in fresh or salt water and will not create sheen over the water.

APPLICATIONS

- Steel wire
- Drive chains
- Drag chains
- Open gears

ADVANTAGES

- Prevents oxidation due to excess humidity, water and high salt content
- Noise reduction
- Contains no heavy metals thus preventing arcing when in contact with live wires
- Does not attract dust or airborne contaminants
- Prevents stretching of drive chains
- Dielectric rigidity up to 16.5 kV
- Protects against corrosion
- Transparent finish
- Easy to apply
- Has a long life

The above information is true and precise to the best of our knowledge. All recommendations or suggestions are made without warranty since the circumstances and conditions are beyond our control.

Lubri-Lab Inc.: www.lubrilab.com info@lubrilab.com

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PROBLEM

Chains that are subjected to extreme tension tend to stretch between rollers and cease to seat correctly. This causes premature wear of the sprocket and chain. Consequently, when the roller does not seat correctly, this leads to premature wear on the teeth and seat of the sprocket. Wet lubricants (moly, graphite) are not effective under these conditions as they attract airborne contaminants and dust which have an abrasive effect on the different components, thus diminishing their lifespan.

Steel cables are often exposed to extreme elements such as excessive humidity, water, or a high salt content in the air. Additionally, individual strands of cable are subjected to extreme pressure and constant abrasion as they rub against each other.

SOLUTION

Lubri-Lab CCL penetrates and lubricates the inner mechanisms of rolling chains. Its extreme pressure properties help to maintain the original configuration between the moving parts while also preventing oxidation. The high basicity of CCL gives it excellent acid neutralization properties. CCL also minimizes wear of the teeth and seat of sprockets. Chains run with less friction and are therefore quieter.

Dry to the touch, CCL will not attract dirt, dust, or airborne contaminants. Since CCL does not contain any heavy metals, it will not create an electrical arc when in contact with live wires. CCL has excellent resistance to water washout. It protects against premature wear between strands of steel cable.

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LOW TEMPERATURE FLEXIBILITY

- Coating will not crack, peel, or chip when bent 180 degrees around a mandrel 5 mm (3/16 inch) in diameter which has been cooled to $-23^{\circ}\text{C} \pm -16^{\circ}\text{C}$ ($-10^{\circ}\text{F} \pm 2^{\circ}\text{F}$)

Corrosion preventive properties:

- Salt Fog (3 mils) (SAE 1020 Steel) ASTM B117, hours >2000
- Humidity Corrosion Protection (3 mils) (SAE 1020 Steel- ASTM D1748 hours >2000
- Salt spray resistance test Passes
- Salt water immersion test Passes
- Creeps more than 7 mm (1/4") penetration after 7 days at 25°C (77°F) Passes

SALT FOG PERFORMANCE DATA

Dry Film	Hours
0.5 mm	1000+
1.0 mm	2000+
2.0 mm	3000+
3.0 mm	3000+
5.0 mm	3000+

Salt Fog Tests were run using a 5% salt solution at 35°C (95°F) variation of ± 2 degrees. Panels were vertically suspended in the cabinet, after drying the film for 72 hours, at room temperature.

Failure occurs when more than 3 dots of rust, not one of which is larger than one millimeter in diameter, appear on the face of the panel.

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APPLICATION ON WIRE ROPE

If a cable is dirty or has accumulated layers of hardened lubricant or other contaminants, it must be cleaned with a wire brush and petroleum solvent.

The wire rope must be lubricated immediately to prevent rusting.

CCL is best applied to the cable under slight tension in a straight condition to facilitate maximum penetration to the core.

1. Cleaning the rope of scale, dirt, salts, oxides, etc.
2. High pressure water wash.
3. Air dry the rope of any water.
4. Apply with low pressure to permit the CCL to penetrate the strands of the cable

The finished coating should look like this



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APPLICATION ON CHAINS

The chains shall be clean and free from contaminants before lubrication. CCL may be applied with a sprayer or brush, then allow to dry completely. Drying time varies based on weather conditions.

For Food Plant Use

CFIA approbation **H-2 lubricant**, avoid contamination of food in the application of this product.

Availability: Case 12 x 1 liter (12 x 1 quart) , 20 liters (5 gallons) , 55 liters (15 gallons) , 205 liters (55 gallons).

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