



LUBRI-LAB
INC

TECHNICAL DATA

CCL™

High efficiency antifriction lubricant for chain & cable

DESCRIPTION

The polar nature of Chain & Cable Lube's microcrystalline wax-based solution 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.

APPLICATIONS

- Drive chains
- Drag chains
- Open gears
- Steel cables

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

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.

For further information contact : **Lubri-Lab Inc.:** info@lubrilab.com

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Tel.: (888) 449-1626 (450) 449-1626 Fax: (450) 449-9174

www.lubrilab.com

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PROBLEMS

Chains that are subjected to extreme tension tend to stretch between rollers and cease to seat properly. This causes premature wear of the sprocket and chain. Consequently, when the roller does not seat properly, 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.

LOW TEMPERATURE FLEXIBILITY

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

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CORROSION PROTECTION

- | | |
|--|--------|
| ➤ Salt spray resistance test | Passes |
| ➤ Salt water immersion test | Passes |
| ➤ Creeps more than 7 mm (¼") 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.

DIRECTIONS

CCL may be applied by sprayer or brush, then allow to dry completely. Drying time varies based on weather conditions.

Availability : Case (12 x 1 litre), 10 litres, 55 litres, 205 litres.

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