

## Chain Lubricants – General Selection Guide

Chain lubricants must perform six main functions to be effective:

1. Protect moving parts against wear.
2. Cushion impact loads.
3. Dissipate any heat that the chain generates or is exposed to.
4. Flush away foreign materials.
5. Lubricate the chain-sprocket contact surfaces.
6. Retard rust and corrosion.

There are a wide variety of chain lubricants available to meet the requirements of the various applications of chain drives in industry. This selection guide indicates some general recommendations for the conditions shown. These lubricants will cover the majority of applications. Where other conditions may exist or operations are more critical a specific recommendation can be determined through consultation with Lubricon at 1-800-463-LUBE (5823).

<b>Lubricon Product</b>	<b>Description</b>	<b>Temperature Range</b>	<b>Load</b>	<b>Wet</b>	<b>Chain Speed</b>
<b>Lubricon 5215</b>	Diester, anti-wear	-40°C to 150°C	Medium to high		Moderate
<b>Lubricon 5225</b>	Diester, tacky, soluble moly	Up to 250°C	High	Yes	All
<b>USL-600</b>	Polyol Ester	Up to 370°C	High	Yes	All
<b>Omnilube Food Grade</b>	Polyalphaolefin (PAO)	Up to 150°C	Medium		All
<b>Omnilube PG-220 Food Grade</b>	Polyalkylene Glycol	Up to 250°C	Medium		All
<b>767 Aerosol (for small chains, spur gears, cable)</b>	Aerosol grease, tacky, EP	Up to 200°C	Medium	Yes	All

Note: Viscosity for the proper Omnilube grade will depend on operating temperature. Please see product sheets.