



PRODUCT DATA SHEET



MOLYLUBE® SYNTHETIC PAG CHAIN LUBRICANT

Molylube Synthetic PAG Chain Lubricant, commonly known as Molylube 108-5C Clean, is a synthetic chain lubricant utilizing a PAG synthetic fluid with molybdenum disulfide, or moly, and graphite lubricating solids. **Molylube Synthetic PAG Chain Lubricant** is fortified with Extreme Pressure and anti-wear additives, and oxidation inhibitors. **Molylube Synthetic PAG Chain Lubricant** is specifically formulated for heavy-duty, high temperature chain applications, up to 232°C (450°F). When applied to a chain, **Molylube Synthetic PAG Chain Lubricant**'s synthetic fluid containing finely divided solid lubricants coats the chain and penetrates to lubricate and protect the sprockets, links, and the pins and bushings. The product's solid lubricants provide positive lubrication if the chain becomes dry at elevated temperatures and effectively lubricates up to 399°C (750°F). **Molylube Synthetic PAG Chain Lubricant** features a remarkably stable base fluid and a unique blend of Extreme Pressure and anti-wear additives to protect against shock load conditions. The PAG base fluid provides excellent lubrication without forming deposits or adversely reacting with rubber components.

Applications

- ◆ Conveyors, chains and bearings in heat treating ovens and kilns

Features and Benefits

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| ◆ Contains colloidal Molylube solids | Remains in suspension for an indefinite period of time. |
| ◆ Extreme Pressure properties and excellent wear protection | Prevents excessive wear under high- or shock load conditions. |
| ◆ Resists oxidation | Reduces sludge build-up under high operating temperatures. |
| ◆ Synthetic carrier | Excellent compatibility with natural and synthetic rubbers. |

General Description

Molylube Synthetic PAG Chain Lubricant is a synthetic chain lubricant based on PAG technology. **Molylube Synthetic PAG Chain Lubricant** is intended for use on chains operating at temperatures up to 232°C (450°F). After prolonged exposure to temperatures above 232°C (450°F), the base fluids of **Molylube Synthetic PAG Chain Lubricant** volatilize, leaving the solid lubricant without sludge or carbon residue. The solid lubricant effectively lubricates up to 399°C (750°F).

Product No. 301199

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TYPICAL PROPERTIES

<u>Product No.</u>	<u>301199</u>
<u>Old Product No.</u>	<u>22460</u>
ISO Viscosity Grade	68
Viscosity, ASTM D445	
@ 40°C, cSt	66.4
@ 100°C, cSt	12.5
Viscosity, ASTM D2161	
@ 100°F, SUS	335
@ 210°F, SUS	69.4
Viscosity Index, ASTM D2270	190
Base Fluid Type	Polyalkylene Glycol (PAG)
Lubricating Solids Type	Molyube Solids
Falex EP Test, ASTM D3233 Method B	
Non-Seizure Load, lbf	2250
Timken EP Test, ASTM D2782	
OK Load, kg (lb)	15.9 (35)
Flash Point, ASTM D92	
°C	170
(°F)	(338)
Useful Temperature Range	
Fluid, °C	-40 to 204
Fluid, (°F)	(-40 to 400)
Dry Film, °C	204 to 399
Dry Film, (°F)	(400 to 750)
Color	Dark Gray