



9963 SYNOLEC® LUBRICANT

*A pure synthetic oil for
high temperature applications.*

Chains and conveyors which operate in high temperature environments are extremely difficult to lubricate effectively. Even the very finest petroleum oils oxidize very rapidly as temperatures climb, leaving behind deposits which are detrimental to smooth, efficient chain and conveyor operation.

To meet this severe test of lubricant technology, LE developed 9963 SYNOLEC® Lubricant. As the name implies, this special product is pure synthetic. It leaves no deposits to cause chains to bind, jump the sprocket or break, or conveyor rollers to slide or bind.

Since 9963 SYNOLEC is an oil, it can be applied easily with standard equipment . . . spray, drip applicator, or brush.

Experience has proved that 9963 SYNOLEC actually cleans off old deposits left by ordinary petroleum lubricants, and its continued use keeps chains, conveyors and bearings operating smoothly.

One of the major factors causing rough chain and conveyor operation is rust and corrosion. 9963 SYNOLEC is rust and oxidation inhibited, another strong feature for this superior lubricant.

But a lubricant must do more than just resist high temperatures and keep metal surfaces clean. It must protect against premature wear. 9963 SYNOLEC possesses excellent lubricating qualities to reduce friction and wear. And it also contains MONOLEC®, LE's exclusive wear-reducing additive.

MONOLEC creates a single (mono-molecular) lubricating layer on the metal surface, vastly increasing film strength without affecting tolerances. Forming microscopic "ball bearings," MONOLEC allows opposing surfaces to slide by one another, greatly reducing friction, heat and wear.

While 9963 SYNOLEC was originally developed as a high-temperature chain and conveyor lubricant, it is also appropriate for sealed-for-life bearings and other high-temperature applications where an oil may be used.

USER BENEFITS:

- **Oil dissipates at high temperatures,** leaving no residue. Metal surfaces remain clean and chains, conveyors and bearings operate freely and smoothly.
- **Stable, long-lived oil.** Does better job of lubricating with less lubricant consumed.
- **Cleans off deposits left by ordinary lubricants.** Clean parts work smoother and more efficiently, requiring less power.
- **Easy to apply with standard equipment.** No special equipment or tools needed to start realizing benefits of 9963 SYNOLEC immediately.
- **Cuts costly downtime** by reducing wear and minimizing the danger of broken chains and conveyors, or seized bearings.
- **Controls rust and corrosion** because of special additives.



LUBRICATION ENGINEERS, Inc.®
LEADERS IN LUBRICANTS

LE Products manufactured under an
ISO 9001:2000 Certified Quality System

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TECHNICAL DATA BULLETIN

**9963
SYNOLEC®
Lubricant**

DESCRIPTION:

A pure synthetic oil for spray or drip lubrication on chains and conveyors under high temperature conditions. Dissipates at high temperatures without leaving any deposits. Cleans up deposits left by petroleum lubricants. Contains MONOLEC®, LE's exclusive wear reducing additive.

PHYSICAL CHARACTERISTICS – TYPICAL:

USDA Rating	H2
Equivalent SAE Grade	40
Gravity, °API	10.7
Viscosity	
SUS @ 100°F	417
SUS @ 210°F	75.8
cSt @ 40°C	82
cSt @ 100°C	14.3
Viscosity Index	180
Flash Point, °F (°C)	505 (262)
Pour Point, °F (°C)	-30 (-34)
Color	Green

SPECIFICATIONS EXCEEDED:

Baker Perkins 69-D

APPLICATION:

Originally designed as a high temperature chain and conveyor lubricant; however, it is also appropriate for sealed-for-life bearings and other high temperature applications.

RECOMMENDATION:

Do not use where extreme pressure (EP) gear oil is required. Also not recommended for use in food preparation equipment where incidental contact may occur.

LUBRICATION ENGINEERS®, Inc.

BENEFICIAL QUALITIES:

Keeps chains and conveyors clean and free.

Helps eliminate broken chains and downtime.

Greatly increases chain life.

Contains MONOLEC[®], LE's exclusive wear-reducing additive.

Oil sprays easily in standard equipment.

Cleans up deposits left by petroleum residues.

Rust and oxidation inhibited.

At high temperature oil dissipates with no residue.

Excellent thermal stability.

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