



LE PRODUCTS  
MANUFACTURED  
UNDER AN ISO  
9001:2000  
CERTIFIED QUALITY  
SYSTEM

# 9919 SYNOLEC®

## ALL-CLIMATE GEAR LUBRICANT

*An SAE 75W-90 heavy duty, 100% synthetic enclosed gear lubricant. Engineered to meet severe operating conditions.*



### USER BENEFITS:

- **Cold Weather Capabilities** - are realized because of the subzero flow properties. With a -60°F (-51°C) pour point, low temperature start-up and lubrication is assured.
- **Longer Equipment and Gear Life** - With LE's 9919 SYNOLEC®, your equipment will last longer and you will reduce capital expenditures through:
- **Reduced Wear** - with MONOLEC®, LE's exclusive wear-reducing additive plus other EP additives yield a high Timken OK load of 65 lbs (29.5 Kgs). This true SAE 75W-90 lubricant provides a tough film strength with no shearing. No viscosity improvers are employed to achieve the multigrade characteristics.
- **Longer Effective Lubricant Life** - is achieved through enhanced low volatility as well as excellent thermal stability. This assures that this lubricant provides long lasting lubrication when compared with petroleum products without forming carbon deposits. In severe service, this is critical because this lubricant will not break down.
- **Lower Maintenance and Replacement Costs** - are achieved through reduced wear, lower operating temperatures and longer oil life. This translates into extended drain intervals vs. ordinary oils, lower maintenance costs, parts, labor costs and reduced capital outlay as your equipment lasts longer.

Specially formulated heavy-duty synthetic gear lubricant for industrial and automotive applications. Made with 100% synthetic base fluid for excellent low and high temperature performance. Contains MONOLEC®, LE's exclusive wear-reducing additive.

LE's 9919 SYNOLEC® All-Climate Gear Lubricant is a true SAE 75W-90 grade lubricant. Viscosity index improvers are not used to achieve the multi-grade characteristics. The SAE 75W-90 meets the low and the high temperature requirements of the SAE lubricant viscosity classification J-306 and the SAE gear specification J-2360. The exclusive MONOLEC® additive formulation blended with the SAE 75W-90 synthetic base stocks provides energy savings with reduced fuel and electrical consumption.

LE's 9919 SYNOLEC® exceeds requirements for MIL-PRF-2105E, U.S. Steel 224, AGMA 9005-EO2, API GL-5, API MT-1, Rockwell 0-76-B, SAE J-2360, and is GO-J approved by Mack.

### TYPICAL APPLICATIONS:

- Use in industrial gearboxes that call for an SAE 75W-90 or ISO 100 gear oil. Excellent for industrial gearboxes subjected to low and high temperatures.
- Especially appropriate for use in low temperature environments or where service may be longer than normal.
- Use in transmissions, except those requiring pure mineral oil on over-the-road, stop-and-go fleets and off-highway equipment.

### WHAT IS MONOLEC®?

MONOLEC® is LE's exclusive wear-reducing additive which has proven its extraordinary performance in thousands of application. It is an invaluable component in LE's engine oils, industrial oils and other lubricants bearing the MONOLEC® trademark.

MONOLEC® creates a singular molecular lubricating film on the metal surface, vastly increasing film strength without affecting tolerances. MONOLEC® allows opposing surfaces to slide by one another, greatly reducing friction heat and wear.

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# 9919 TECHNICAL DATA

## PHYSICAL CHARACTERISTICS—TYPICAL:

SAE Grade	75W-90
ISO Grade	100
Gravity, °API	33.0
Viscosity	
SUS @ 100°F	588.2
SUS @ 210°F	83.08
cSt @ 40°C	115.0
cSt @ 100°C	16.0
cP @ -40°F (-40°C)	100,000
Viscosity Index, min.	140
Flash Point, °F (°C)	414 (212)
Pour Point, °F (°C)	-60 (-51)
Color	Green



## PERFORMANCE TEST RESULTS:

Copper Strip Corrosion, ASTM D-130	1b
Timken OK Load, ASTM D-2782, lbs.	65
Foam Test, ASTM D-892	Pass
Seven Day Moisture Corrosion, CRC L-33	Pass
High Torque Gear, CRC L-37	Pass
Gear Score Protection, CRC L-42	Pass
Thermal Stability, CRC L-60-1	Pass
FZG (A/8.3/90) Pass Load Stage	12



## BENEFICIAL PROPERTIES:

- Specially formulated heavy-duty synthetic enclosed gear lubricant.
- 100% synthetic base fluids provide maximum performance in extreme temperature conditions.
- Excellent subzero weather flow properties provide dependable lubrication in low temperature start-up conditions.
- Contains long-lasting extreme pressure (EP) wear reducing additives, including MONOLEC®, LE's exclusive antiwear additive.
- USDA H2.
- Highly versatile SAE 75W-90 / ISO 100 lubricant that meets both industrial and automotive requirements.
- Green color provides better traceability.
- Good high temperature oxidation resistance and thermal stability, which contributes to long service life and gear load carrying ability.
- A true 75W-90 lubricant with good shear stability, thus no viscosity loss in service.
- SAE 75W-90 synthetic fluids provide excellent heat transfer from working gears.
- Fully synthetic product eliminates formation of carbon deposits.
- Reduced lubricant consumption through low volatility.

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