



9920 SYNOLEC®

GEAR LUBRICANT

An SAE 75W-140 heavy-duty, 100% synthetic enclosed gear lubricant. Engineered to meet severe operating conditions. The only true 75W-140 synthetic gear lubricant available today.

LE's 9920 SYNOLEC Gear Lubricant is a heavy-duty synthetic gear lubricant specially formulated for transmissions and industrial gearboxes which operate in severe service and where service intervals may be prolonged. This lubricant offers very good high temperature oxidation resistance and thermal stability. Also, exceptional low temperature characteristics as well.

This SAE 75W-140 synthetic gear lubricant contains a 100% synthetic base fluid which is compounded with long lasting, extreme pressure additives, designed solely for synthetic gear lubricants and will provide you with benefits of unmatched superiority. LE's 9920 SYNOLEC Gear Lubricant meets the increased demands placed upon heavy-duty rolling stock transmissions, differentials and industrial gearboxes.

USER BENEFITS

- **Longer Equipment Gear Life** – With LE's 9920 SYNOLEC Gear Lubricant, 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-140 lubricant provides a tough film strength with no shearing. No viscosity improvers are employed to achieve the multi-grade 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 and labor costs and reduced capital outlay as your equipment lasts longer.
- **Versatility of One Product** – because this product meets the AGMA 5EP and 6EP specifications. This will, of course, reduce inventory and reduce the 'chance of application error'.
- **Cold Weather Capabilities** – are realized because of the improved subzero flow properties. With a -49°F (-45°C) pour point, low temperature start-up and lubrication is assured.
- **Exceeds Requirement** – for MIL-L-2105D, U.S. Steel 224, AGMA 9005-D94, API GL-5, Rockwell 0-76-B and Mack GO-J.

TYPICAL APPLICATIONS

- Transmissions and Differentials for:
 - Over-the-road vehicles.
 - Heavy-duty rolling stock.
 - Large stop-and-go vehicles.
 - Off-road equipment.
- Industrial Gearboxes and Worm Drives which:
 - Are subjected to low and high temperatures, such as freezer units and paper drums.
 - Call for an AGMA 5EP or a 6EP lubricant.

WHAT IS MONOLEC?

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

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



LUBRICATION ENGINEERS, Inc.
LEADERS IN LUBRICANTS

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

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LE's 9920 SYNOLEC® GEAR LUBRICANT

far surpasses requirements of the
most current performance tests

Performance Tests	9920 SYNOLEC GEAR LUBRICANT	MIL-L-2105D Requirement
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CRC L-60-1 (Thermal Stability)		
Viscosity Increase, %	44.40	100 Max.
Pentane Insolubles, %	0.72	3 Max.
Toluene Insolubles, %	0.58	2 Max.
Result	Pass	Pass
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CRC L-37 (High Torque Gear Test)		
Plain Gear	Pass	Pass
Coated Gear	Pass	Pass
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CRC L-42 (Gear Score Protection)		
Run 1, Tooth Area Scored	1%	15-20% Max.
Run 2, Tooth Area Scored	Trace	15-20% Max.
Result	Pass	Pass
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CRC L-33 (7-Day Moisture Corrosion)		
Cover Plate Corrosion	None	5% Max.
Other Parts	No Corrosion/Light Stain	No Corrosion
Result	Pass	Pass
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ASTM D-892 (Foaming Tendencies)		
Sequence I, ml	10	20 Max.
Sequence II, ml	30	50 Max.
Sequence III, ml	10	20 Max.
Result	Pass	Pass
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ASTM D-130 (Coper Corrosion) (3 hrs., 121°C.)		
Result	1 lb Pass	3 Max. Pass

Not recommended for use in automatic, semi-automatic or hydraulic transmissions requiring pure mineral oil.



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