



7500 MONOLEC® Power Fluid

**An advanced concept in the lubrication of
combination gear-hydraulic (wet brake) systems.**

Highly versatile, LE's 7500 MONOLEC Power Fluid is designed to meet the unusual operating needs of most combination gear-hydraulic systems and hydraulic transmissions in material handling, construction, manufacturing, trucks and farm equipment.

Allis-Chalmers	Minneapolis-Moline	Caterpillar	Massey Ferguson
David Brown	Renk	Oliver	Steiger
Deutz	Sunstrand Hydraulic	Ford	White
International Harvester	Transmissions	J.I. Case	John Deere
Versatile		Komatsu	Kubota

Each of these manufactures has slightly different physical characteristics and specifications for their gear-hydraulic systems. LE's 7500 MONOLEC Power Fluid is formulated to give maximum operating results, even under the most severe field conditions, in each of these types of units.

USER BENEFITS:

LE's 7500 MONOLEC Power Fluid reduces wear and gives uninterrupted protection through these features.

- **Carefully selected and refined paraffinic base oils** – have higher flash and fire points, tougher film strength, better oiliness or lubricity and greater water resistance and reduced wear.
- **Control of rust and corrosion** – through special rust inhibitors in LE's 7500
- **MONOLEC Power Fluid provides "plating action"** on metal to prevent rust formation. Other additives control potentially damaging acid corrosion.
- **Foam prevention** – long lasting foam suppressant breaks up foam to eliminate fading and "chatter," reduce pump cavitation and lubricant leakage.
- **Seal compatibility** – using 100% paraffinic base oils, which have a higher aniline point, LE's 7500 MONOLEC Power Fluid helps protect seal and hose material against deterioration.

Extensive use in widely varying applications has proven that LE's 7500 MONOLEC Power Fluid:

- Allows easier operation in cold temperatures**
- Reduces pump and gear metal wear**
- Decreases downtime**
- Eliminates foam**
- Lowers operating temperatures**
- Produces even power**
- Reduces corrosive wear**
- Reduces lubricant inventory**
- Reduces parts cost**
- Resists oxidation**
- Resists water**

What is MONOLEC?

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

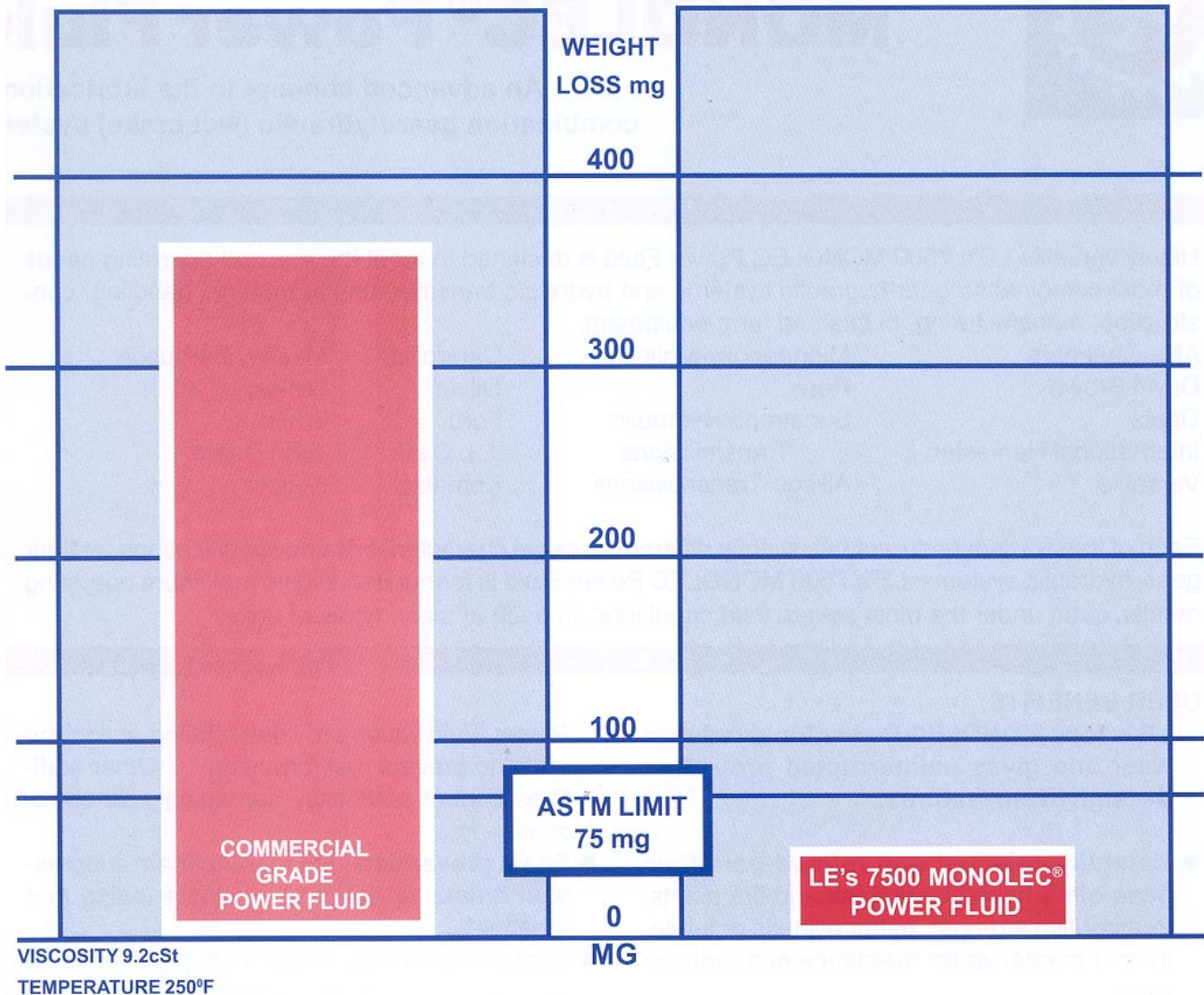
MONOLEC creates a single molecular lubricating film on the metal surface, vastly increasing film strength without affecting tolerances. **LE's MONOLEC** allows opposing surfaces to slide by one another with greatly reduced friction, heat and wear.



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

ASTM D-4998 GEAR WEAR TEST RESULTS



The graph above shows the results of the ASTM D-4998 Gear Wear Test which utilizes a modified FZG apparatus that operates at gear loadings of 284,000 psi (10th load stage), speeds of 100 rpm, and a temperature of 121°C (250°F) for a duration of 10 hours. At the end of the test, the gears are removed, weighed and visually inspected. This test represents a close correlation with three tractor manufacturer tests for gear wear. The manufacturers are Ford, J. I. Case and International Harvester. A weight loss of 50 milligrams or less also shows excellent performance in these three major tractor OEM gear wear tests. Because of this correlation,

this Gear Wear Test was adopted as the ASTM D-4998 standard test method for gear wear in tractor hydraulic fluids. The upper limit for gear weight loss in the ASTM standard is 75 milligrams. LE's 7500 MONOLEC Power Fluid exhibited a weight loss of only 35 milligrams. The commercial grade power fluid demonstrated a weight loss of 366 milligrams. This shows the superior protection provided by MONOLEC, LE's exclusive wear-reducing additive. Although this test demonstrates the benefits to tractors, similar protection of gears can be anticipated in other severe power transmission applications using LE's 7500 MONOLEC Power Fluid.



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