SINCE 1839 Schaeffer MANUFACTURING COMPANY

ISO 9001 CERTIFIED

TECHNICAL DATA

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#751M SYNTHETIC LUBE EP SAE 75W-90 with Moly

Synthetic Lube EP SAE 75W-90 with Moly is a **Fuel Efficient**, thermally stable, extreme pressure, multipurpose, synthetic gear lubricants that is formulated to provide improved fuel economy in heavy, mid and light duty automotive applications.

Synthetic Lube EP SAE 75W-90 with Moly is blended from the finest quality synthetic base fluids available. These synthetic base fluids have a very high viscosity index and an exceptionally low pour point. Formulated into these synthetic base fluids is a non-corrosive multifunction additive system that contains extreme pressure additives, as well as rust, oxidation and corrosion inhibitors to protect gears and bearings operating under a wide variety of load conditions from excessive wear, premature bearing and gear fatigue, spalling, pitting and scoring. This formulation also provides the Synthetic Lube EP SAE 75W-90 with Moly with an optimized viscosity that allows for lower churning losses, while still maintaining superior bearing and gear protection.

Synthetic Lube EP SAE 75W-90 with Moly provides the following performance benefits:

1. **Increased operating performance range**
2. **Increased gear life**
3. **Improved fuel economy of 1%**
4. **Longer axle component life**
5. **Reduced gear wear**
6. **Less frequent maintenance and less oil disposal**
7. **Increased vehicle uptime**
8. **Improved protection in extreme operating conditions**
9. **Excellent high temperature thermal stability and durability**
10. **Extended drain capabilities and extended warranty protection**
11. **Reduced maintenance and downtime costs**

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Synthetic Lube EP 75W-90 with Moly contains a proven friction reducer and boundary called Micron Moly®. Micron Moly® is a liquid soluble type moly that plates itself to the metal surfaces of the gears and bearings. Once plated, Micron Moly® forms an indestructible long lasting solid lubricant film that is capable of withstanding pressures up to 500,000 psi. This solid lubricant film once plated to the gears and bearings will reduce friction, vibration and wear, thus extending equipment life.

Micron Moly® also provides a smooth finished surface on all moving parts of the gear drives. This smooth finish minimizes the action of cold welding and vibration, which can occur during start up after the gears have been standing idle and during periods of high shock loading. This in turn lessens starting loads and peak power demand; thus, resulting in a realistic fuel economy cost savings

Synthetic Lube EP 75W-90 With Moly contains the proper additive system that allows the product to properly function and lubricate limited slip, positraction and high offset hypoid gear rear ends and differentials.

Synthetic Lube EP E/A Gear Lubricant SAE 75W-90 meets and exceeds the following specifications and manufacturers requirements: API Service Classifications: GL-5 and MT-1; United States Military Specifications: MIL-PRF-2105E, SAE J2360; Dana SHAES 256 Rev C and SHAES 429; Eaton Axle PS-037, PS-037, PS-163, PS-109; Mack GO-J; Navistar TMS 6816; Meritor/Rockwell O-76E and O-76N; Clark MS-8 Rev. 1; Ford Specifications: M2C-119A, M2C-197-A, MC2108C, M2C158A; General Motors Specifications: 9986115, 9985476, 9985044; Chrysler MS-8987, MS-9763; Mercedes MB 235.7; VME Americas Specifications: EEMS19003F, EEMS19107; Dana-Spicer; White Motors MS0016; Volvo; Volkswagen.

Typical Properties

SAE Grade	**75W-90**
Density @ 60°F (15.5°C)	.849
Viscosity, cSt @ 40°C ASTM D-445	103
Viscosity, cSt @ 100°C ASTM D-445	15
Viscosity Index ASTM D-2270	152
Viscosity, cP @ -40°C ASTM D-2983	90,000
Flash Point °F (°C) ASTM D-92	420° (215°)
Pour Point °F (°C) ASTM D-97	-49° (-45°)
Copper Strip Corrosion Test ASTM D-130 3 hours @ 100°C 3 hours @ 121°C	 1a 1a
FZG Failure Load Stage ASTM D-5182	>12