

# TRIAX SYNERGY GEAR MAX

Service Category  
**API GL-5**

## ULTIMATE FULL SYNTHETIC LONG DRAIN GEAR OIL - LIMITED SLIP READY

TRIAX SYNERGY GEAR MAX full synthetic gear lubricants are extreme performance extreme pressure, API GL-5 Limited Slip gear oils designed for a very wide range of applications and gear systems. They are built with a top tier proprietary additive system and select base oils, delivering exceptional performance, gear protection, in high load, high torque applications for very long periods of time.

TRIAX gear lubricants are designed to endure very high stress conditions, such as those found in heavy-duty transmissions, without loss of viscosity or wear additives, preventing rapid lubricant degradation, wear and oxidation in a very wide variety of applications and nearly all environmental conditions.

TRIAX Synergy Gear MAX meets the requirements of Eaton Roadranger E500 gear lubricants for extended drain intervals up to 750,000 miles (1,200,000 km) in on road heavy duty trucks and 500,000 miles for regular sized pickups and passenger cars. Due to its extreme shear stability, very long and economical drain intervals are possible, without compromising equipment functionality. The product has outstanding performance in both very hot and very cold temperatures, maintains its viscosity and flow properties and prevents acid and carbon varnish formation.

## PERFORMANCE

- Prevents micro pitting, fatigue wear and normal scuffing under high load, high temperature conditions.
- Dramatically improves gear, bearings and transmission life.
- Advanced shear stable chemistry permits extremely long drain intervals and provides significant savings from down time and fluid costs
- Very high viscosity index and shear stability assures the lubricant stays in grade in both very high and very low temperature operations
- Compatible with most mineral gear oils. Allows easy changeover from mineral to synthetic. Also provides a wide range of compatibility with transmission seals, soft metals and ferrous and non-ferrous transmission / gear box components
- Proven protection far beyond spec requirements, delivers excellent EP (extreme pressure) and AW (anti-wear) performance in a wide range of LS and NON-LS gear systems, with hypoid and other gears

## PERFORMANCE HIGHLIGHTS

**Up to 750,000 miles drain for  
highway trucks**

**Reduced operating cost  
per mile / hour**

**Superior EP protection in all  
service categories**

**Superior shear stability and  
oxidation control**

**3% fuel economy**

**Improved torque transfer  
characteristics**



**UP TO 750,000 MILES**  
Oil Changes on highway class  
8 trucks



**UP TO 10,000+ HOURS**  
For Heavy Duty Equipment



**UP TO 500,000 MILES**  
Oil Changes on passenger  
cars/ SUVs

## APPLICATIONS

TRIAX Synergy Gear Max lubricants are designed for hypoid gear systems, manual transmissions, axles and differentials in a very wide range of applications, both with and without limited slip requirements. These products are recommended for virtually all applications requiring a 75W90, 75W140 gear lubricant: heavy duty trucking, construction, mining, buses, passenger cars, racing, agriculture. Recommended as rear axle and differential lubricants in over-the-road and off-road vehicles when operating under severe conditions and in extremely cold or hot environments.

## SPECIFICATIONS

API GL-5, MT-1 Limited Slip, Extreme Pressure Hypoid Gears  
MIL PRF-2105E, MIL-PRF-2105D, Mack GO-G, GO-H, GO-J, GO-J Plus  
Mack GO-J PLUS  
SAE J2360  
Eaton Roadranger E500  
Scania ST0 1:0  
ZF TE-ML 07A/08  
Dana SHAES 429 Rev. A, DANA SHAES 256 Rev. C

Meritor O-76N  
MB-Approval 235.8  
International TMS-6816  
ZF TE-ML 05B/16F/21B  
ZF TE-ML 12B  
Voith Turbo 132.00374401 / 132.00374402  
U.S. Steel Specification 224  
Ford WSL-M2C192-A (75W140)  
Meritor O-76M (75W140)

## CHEMICAL PROPERTIES

TEST CRITERIA	VISCOSITY 75W-90	75W-140
SAE GEAR OIL VIS GRADE	75W-90	75W-140
SPECIFIC GRAVITY @ 60F	0.87	0.86
KINEMATIC VISCOSITY @ 40C	102	168
KINEMATIC VISCOSITY @ 100 C	15.3	27.1
VISCOSITY INDEX	189	199
FLASH POINT (C)	222	210
POUR POINT C(F)	-43 (-45)	-43 (45)

Small deviations from these results are expected during the manufacturing process and do not affect product performance.

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\*\*Drain intervals takes into account good maintenance practices and equipment in good mechanical conditions, without faults that may affect oil performance, without the use of aftermarket additives or mixing with other fluids.