



SYNERGY GEAR MAX

Ultimate Full-Synthetic Long-Drain Gear Oil — Limited-Slip Ready · API GL-5

Rev: Feb 12, 2026

DESCRIPTION

Synergy Gear MAX is a full-synthetic, extreme-pressure API GL-5 limited-slip gear oil built for a very wide range of gear systems. It pairs a top-tier proprietary additive package with select synthetic base oils to sustain gear protection in high-load, high-torque service over very long intervals, enduring the high-stress conditions of heavy-duty drivetrains without losing viscosity or shearing down its wear additives.

Synergy Gear MAX meets the requirements of Eaton Roadranger E500 for extended drain intervals of up to 750,000 miles (1,200,000 km) in on-road heavy-duty trucks, and up to 500,000 miles in pickups and passenger cars. Extreme shear stability makes those long, economical intervals possible without compromising equipment durability, and performance holds in both very hot and very cold service — maintaining viscosity and flow while resisting acid and carbon varnish formation.

PERFORMANCE HIGHLIGHTS

750,000

MILES

Oil changes on highway Class 8 trucks

10,000+

HOURS

For heavy-duty equipment

500,000

MILES

Oil changes on passenger cars & SUVs

Drain intervals assume good maintenance practice and mechanically sound equipment, free of faults that may affect oil performance, without after-market additives or mixing with other fluids.

- **Micro-pitting and fatigue wear protection** — helps prevent micro-pitting, fatigue wear, and scuffing under high load and high temperature
- **Extends component life** — substantially improves gear, bearing, and transmission service life
- **Advanced shear-stable chemistry** — supports extremely long drain intervals, cutting downtime and fluid cost
- **Very high viscosity index** — shear stability keeps the lubricant in grade at both temperature extremes
- **Superior EP and AW performance** — extreme-pressure and anti-wear protection across LS and non-LS gear systems, including hypoid gears
- **Mineral oil compatibility** — compatible with most mineral gear oils for easy changeover to synthetic
- **Broad material compatibility** — suited to transmission seals, soft metals, and ferrous and non-ferrous gearbox components
- **Improved torque transfer** — optimised frictional characteristics with reduced operating cost per mile and per hour

APPLICATIONS

Synergy Gear MAX is designed for hypoid gear systems, manual transmissions, axles, and differentials across a very wide range of applications, both with and without limited-slip requirements. It is suitable for virtually all applications calling for a 75W-90 or 75W-140 gear lubricant — heavy-duty trucking, construction, mining, buses, passenger cars, racing, and agriculture. Recommended as a rear axle and differential lubricant in on-road and off-road vehicles operating under severe conditions and in extremely cold or hot environments.

SPECIFICATIONS

For use in applications requiring the following specifications:

- API GL-5, MT-1 — limited slip, extreme-pressure hypoid gears
- SAE J2360
- MIL-PRF-2105E, MIL-PRF-2105D
- Eaton Roadranger E500
- Mack GO-G, GO-H, GO-J, GO-J Plus
- Meritor O-76N; O-76M (75W-140)
- MB-Approval 235.8
- International TMS-6816
- Scania STO 1:0
- ZF TE-ML 05B, 16F, 21B
- ZF TE-ML 07A, 08
- ZF TE-ML 12B
- Dana SHAES 429 Rev. A; SHAES 256 Rev. C
- Voith Turbo 132.00374401 / 132.00374402
- U.S. Steel Specification 224
- Ford WSL-M2C192-A (75W-140)

CHEMICAL PROPERTIES

Property	75W-90	75W-140
SAE Gear Oil Viscosity Grade (SAE J306)	75W-90	75W-140
Specific Gravity @ 60 °F (ASTM D4052)	0.87	0.86
Kinematic Viscosity @ 40 °C, cSt (ASTM D445)	102	168
Kinematic Viscosity @ 100 °C, cSt (ASTM D445)	15.3	27.1
Viscosity Index (ASTM D2270)	158	199
Flash Point, °C (ASTM D92)	222	210
Pour Point, °C (°F) (ASTM D97)	-43 (-45)	-43 (-45)

Small deviations from these results are expected during the manufacturing process and do not affect product performance, and product formulations are subject to change without notice.