



The First in Synthetics®

Severe Gear® EP Synthetic Racing Gear Lubricant

Engineered to Protect Hard-driven Racing Differentials

AMSOIL Severe Gear EP Synthetic Racing Gear Lube is a premium-grade, extreme-pressure lubricant engineered specifically for the demands of severe racing conditions. It is formulated with shear-stable, heavy synthetic base oils for high film strength and extra-heavy treatments of additives. Severe Gear's synthetic formulation provides improved flow over conventional oils, reducing viscous drag and power loss. It cushions metal surfaces and absorbs the impact of moving parts while proprietary extreme-pressure additives form an iron-sulfide barrier on gear surfaces for the ultimate line of defense against wear, pitting and scoring.

Performance

AMSOIL Severe Gear EP Synthetic Racing Gear Lube is specifically engineered for high-horsepower, high-torque conditions where centrifugal gear lube sling-off is encountered. This tenacious formulation clings to gears and bearings for maximum protection during shock loading, high G-forces and where pinion gears are installed at steep angles. Severe Gear provides exceptional reliability and extended gear life.

- **Protects** gears from shock loading and tire shake
- **Resists** sling-off from G-forces and high speeds
- **Clings** to gears—high pinion style and at steep angles
- **Promotes** cooler operating temperatures
- **Protects** against rust and corrosion
- **Extends** gear and bearing life



TYPICAL TECHNICAL PROPERTIES

AMSOIL Severe Gear EP Synthetic Racing Gear Lubricant

	SAE 190 (SRN)	SAE 250 (SRT)
Kinematic Viscosity @ 100°C, cSt (ASTM D445)	38.2	46.9
Kinematic Viscosity @ 40°C, cSt (ASTM D445)	381.6	493.8
Viscosity Index (ASTM D2270)	148	152
Flash Point °C (°F) (ASTM D92)	216 (421)	224 (435)
Pour Point °C (°F) (ASTM D97)	-29 (-20)	-27 (-17)
Copper Corrosion (ASTM D130)	1B	1B
Falex Procedure B (ASTM D3233) (failure load, lbf.)	3500	3500
Four-Ball Wear Test (ASTM D4172 @40 kg, 75°C, 1200rpm, 1hr), Scar, mm	0.89	0.89

SERVICE LIFE

AMSOIL Severe Gear EP Synthetic SAE 190 and SAE 250 Racing Gear Lubricants are intended for severe racing and other applications where extended drain intervals are not beneficial. AMSOIL recommends changing the lubricant as conditions dictate. Where extended drain intervals are desired, AMSOIL recommends monitoring by oil analysis.

MIXING AMSOIL

AMSOIL Severe Gear EP Synthetic SAE 190 and SAE 250 Racing Gear Lubricants are compatible with conventional and synthetic automotive gear oils. Mixing AMSOIL gear oils with other oils, however, will shorten the oil's life expectancy and reduce the performance benefits.

Aftermarket oil additives, other than those specified by AMSOIL, are **not recommended** for use with AMSOIL gear oils.

APPLICATIONS

AMSOIL Severe Gear EP Synthetic Racing Gear Lube is excellent for severe differential applications, including off-road truck racing, rock racing, rock crawling, tractor pulling, funny car racing and dragster racing. Other severe-duty applications include heavy-duty trucks and equipment where increased lubricant film is necessary. Recommended for use in hypoid gear differentials and other applications requiring a high-viscosity, API GL-5 gear lube. Where limited-slip performance is required, use AMSOIL Slip Lock® limited-slip additive.

AMSOIL PRODUCT WARRANTY

AMSOIL products are backed by a Limited Liability Warranty. For complete information visit www.amsoil.com/warranty.aspx.

HEALTH & SAFETY

This product is not expected to cause health concerns when used for the intended application and according to the recommendations in the Safety Data Sheet (SDS). An SDS is available via the Internet at www.amsoil.com or upon request at (715) 392-7101. **Keep Out of Reach of Children.** Recycle used oil and bottle.



AMSOIL products and Dealership information are available from your local full-service AMSOIL Dealer.