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AMSOIL
The First in Synthetics®

DATA BULLETIN

Severe Gear® EP Synthetic Racing Gear Lubricant

Engineered to Protect Hard-driven Racing Differentials

Racers, rockcrawlers and other off-road enthusiasts invest thousands of dollars and countless hours building and modifying their rigs. Professional competition and off-roading for pleasure take a toll on differential gears and bearings. For maximum differential performance and life, enthusiasts need a gear lube that combines excellent wear protection, superior fluidity and the ability to cling to parts during severe operation. AMSOIL Severe Gear EP Synthetic Racing Gear Lubricant delivers peace of mind that expensive, high-performance racing and competition differentials are well protected in the toughest conditions.



Protects Against Wear

Severe Gear is formulated with extra-heavy treatments of additives and shear-stable, heavy synthetic base oils for high film strength. 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.

Provides Fast Startup Protection

Severe Gear doesn't contain the irregularly sized and shaped molecules inherent to conventional oils. As a result, it provides excellent fluidity despite its high viscosity to quickly reach gears and bearings at startup. Its superior fluidity also reduces viscous drag and energy loss, helping drivers put maximum power to the ground.

Clings Tenaciously to Parts

Severe Gear 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 excellent reliability and helps extend gear life.

- **Resists** sling-off from G-forces and high speeds
- **Clings** to gears – high-pinion style and at steep angles
- **Promotes** cooler operating temperatures
- **Helps extend** gear and bearing life

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Order by Phone 1-800-956-5695 - Give Operator Reference #5983322

TYPICAL TECHNICAL PROPERTIES

AMSOIL Severe Gear EP Synthetic Racing Gear Lubricant

	SAE 190 (SRN)	SAE 250 (SRT)
Kinematic Viscosity @ 100°C, cSt (ASTM D445)	37.3	47
Kinematic Viscosity @ 40°C, cSt (ASTM D445)	364.7	494.5
Viscosity Index (ASTM D2270)	149	151
Flash Point °C (°F) (ASTM D92)	214 (417)	210 (410)
Pour Point °C (°F) (ASTM D97)	-31 (-24)	-24 (-11)
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, 1200 rpm, 1hr), Scar, mm	0.43	0.43

SERVICE LIFE

AMSOIL Severe Gear EP Synthetic Racing Gear Lube is 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.

COMPATIBILITY

AMSOIL Severe Gear EP Synthetic Racing Gear Lube is compatible with synthetic and conventional automotive gear oils. Mixing AMSOIL gear oil with other oils, however, will shorten the oil life expectancy and reduce the performance benefits.

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

APPLICATIONS

Use in hypoid gear differentials and other applicaitons that require a high-viscosity API GL-5 gear lube, including off-road trucks, rock racers, rock crawlers, pulling tractors, funny cars, dragsters, heavy-duty trucks and equipment where increased lubricant film is necessary. 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.

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

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