



*The First in Synthetics*®

## SEVERE GEAR™ Synthetic Extreme Pressure (EP) Lubricants

**75W-90 (SVG) & 75W-140 (SVO)**

**Formulated for the severe operating conditions of today's pick-up trucks, SUVs, heavy equipment and other hard working vehicles.**

### *Product Description*

AMSOIL Severe Gear Synthetic Extreme Pressure (EP) Lubricants are premium grade lubricants specifically engineered for maximum performance in severe duty applications. These state-of-the-art AMSOIL formulations feature an exclusive blend of high viscosity, shear stable synthetic base oils and an extra treatment of high-performance additives. AMSOIL Severe Gear Synthetic EP Lubricants maintain their viscosity for long-lasting protection against metal-to-metal contact. The proprietary AMSOIL additives form an iron-sulfide barrier coating on gear surfaces, providing the ultimate line of defense against wear, pitting and scoring. AMSOIL Severe Gear lubricants help prevent "thermal runaway" — a phenomenon caused by a lubricant's inability to control friction and increased heat under high-stress conditions. By controlling thermal runaway, AMSOIL Severe Gear Synthetic EP Lubricants inhibit rapid lubricant degradation and component damage. Equipment runs better and lasts longer with AMSOIL Severe Gear Synthetic EP Lubricants.

### *Performance*

AMSOIL SEVERE GEAR™ provides performance beyond that possible with conventional gear oil. These AMSOIL custom products offer superior gear and bearing protection, better friction and heat reduction, increased efficiency and extended service life.



- **Superior Film Strength**
- **Controls Thermal Runaway**
- **Rust and Corrosion protection**
- **Reduced Operating Temperatures**
- **Improved Efficiency**
- **Longer Oil, Seal, & Equipment Life**

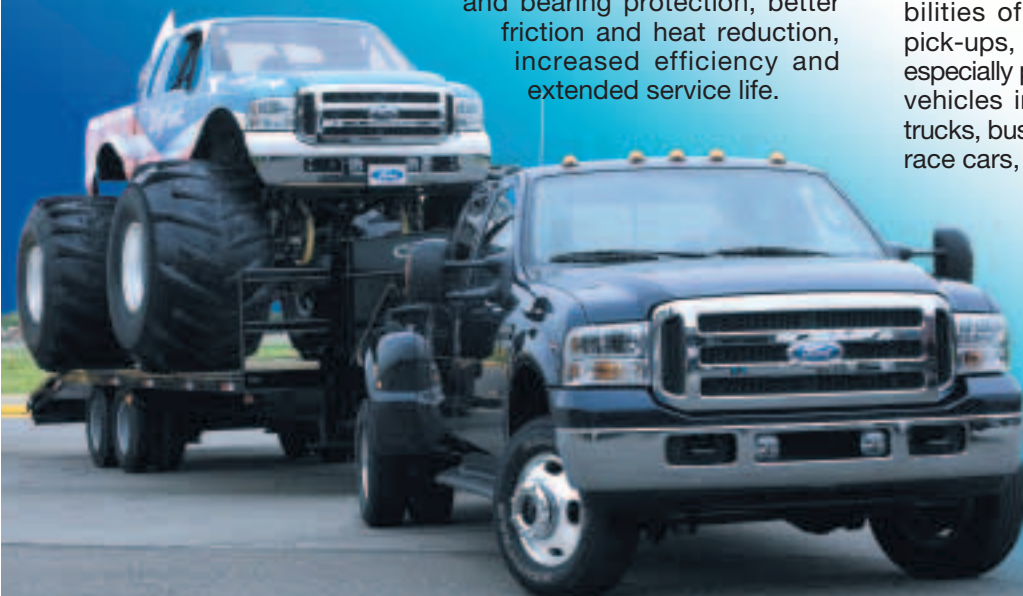
### *Temperature Extremes*

AMSOIL SEVERE GEAR™ EP lubricants excel in hot and cold temperature extremes. By design, they resist breakdown from high heat, preventing acids and carbon/varnish formation. Their wax-free construction also improves cold flow properties, improving fuel economy and cold weather shifting.

### *Applications*

AMSOIL SEVERE GEAR™ Synthetic EP Lubricants are excellent for severe applications, such as towing, hauling, steep hill driving, commercial use, plowing, racing, off-road use, rapid acceleration, frequent stop-and-go operation and high ambient temperatures.

Higher horsepower, towing and hauling capabilities of modern vehicles make turbo diesel pick-ups, SUVs, vans and delivery/utility vehicles especially prone to severe service. Other severe duty vehicles include light, medium and heavy-duty trucks, busses, heavy equipment, 4X4s, tow trucks, race cars, tractors, and motorhomes.



## TYPICAL TECHNICAL PROPERTIES

### AMSOIL SEVERE GEAR™ Synthetic Extreme Pressure (EP) Lubricants 75W-90 & 75W-140

	<i>SAE 75W-90 (SVG)</i>	<i>SAE 75W-140 (SVO)</i>
Kinematic Viscosity @ 100°C, cSt (ASTM D-445)	16.6	25.5
Kinematic Viscosity @ 40°C, cSt (ASTM D-445)	115.0	183.9
Viscosity Index	156	173
Brookfield Viscosity, cP (150,000 Max) @ -40°C	87,462	120,200
Flash Point, °C (°F) (ASTM D-92) 150°C Min.	218 (424)	210 (410)
Pour Point, °C (°F) (ASTM D-97)	-51(-60)	-48(-54)
Copper Corrosion (ASTM D-130) 1b Max @ 121 °C (250°F) / 3hr	1b	1b
Falex Procedure B (ASTM D-3233) (failure load, lbf.)	1500	1500
Foam Stability (ASTM D-892) (20/50/20 maximum)	0/0/0	0/0/0

For product service life in differentials, consult your owner's manual or the Original Equipment Manufacturer (OEM) to establish the application, NORMAL or SEVERE.

	NORMAL	SEVERE
<b>Cars, SUV, Light &amp; Medium Duty Trucks</b>	Drain at 100,000 miles of service or according to the owner's manual, whichever is longer	Drain at 50,000 miles of service or according to the owner's manual, whichever is longer
<b>Heavy Duty Class 8 Line Haul</b>	Follow the OEM drain interval (miles or hours) for synthetic oil up to 250,000 miles or 3 years, whichever comes first. Otherwise, drain at twice the OEM interval for conventional oil.	
<b>Heavy Duty Off-Road Vocational</b>	Follow the OEM drain interval (miles or hours) for synthetic oil up to 120,000 miles or 1 year, whichever comes first. Otherwise, drain at twice the OEM interval for conventional oil.	

For product service life in non-differential applications, consult owner's manual or the OEM for either normal or severe synthetic oil service intervals. Where service intervals are unavailable, drain at twice the interval for conventional oil.

Gear oils should be changed more frequently when operating vehicles or equipment in dusty or dirty conditions unless the gear system is properly sealed and equipped with membrane type breathers.

**Note:** AMSOIL does not support extended drain intervals where water contamination occurs. Check and service the gear oil frequently when water contamination is possible.

Use in differentials, manual transmissions or other gear applications where one or more of the following standards are specified: **API GL-5 & MT-1, MIL-PRF-2105E, Dana SHAES 234 (Formerly Eaton PS-037) for 250,000 miles, Mack GO-J, Arvin/Meritor 0-76N (75W-90) & 0-76M (75W-140)**, plus hypoid gear oil specifications from all foreign and domestic manufacturers such as GM, Ford and Daimler Chrysler. Can also be used in rear axles where API Service GL-4 lubricant is recommended.

**AMSOIL SEVERE GEAR™ (75W-90)** replaces competitors' 75W-90 and 80W-90 viscosity grades.

**AMSOIL SEVERE GEAR™ (75W-140)** replaces competitors' 75W-140, 80W-140 and 85W-140 viscosity grades.

**AMSOIL SEVERE GEAR™** is compatible with conventional and synthetic gear oils. Mixing AMSOIL gear oils with other oils, however, will shorten the oil life expectancy and reduce the performance benefits. AMSOIL does not support extended drain intervals where oils have been mixed.

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

**AMSOIL SEVERE GEAR™** is compatible with most limited slip differentials. If limited slip differential chatter occurs, add AMSOIL Slip-Lock™ friction modifier additive.

#### HEALTH & SAFETY

This product is not expected to cause health concerns when used for the intended application and according to the recommendations in the Material Safety Data Sheet (MSDS). An MSDS is available upon request at 715-392-7101 or via the Internet at [www.AMSOIL.com](http://www.AMSOIL.com). **Keep Out of Reach of Children.** Don't pollute. Return used oil to collection centers.

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

