



Long Life Synthetic Gear Lube

Specifically Engineered for 500,000-Mile Service Life in Over-The-Road Trucks.

AMSOIL Long Life Synthetic Gear Lube is an extended-drain gear lube engineered specifically to last several times longer and protect gears better than conventional gear oils. This exclusive AMSOIL formulation of premium synthetic base oils and high-performance additives resists acid, carbon and varnish formation from oxidative breakdown. Components run cleaner and last longer. AMSOIL Long Life Synthetic Gear Lube is shear-stable and reduces friction. It maintains its viscosity during extended service for maximum wear control and is fuel-efficient. The superior cold-temperature fluidity and high-temperature stability properties of AMSOIL Long Life Synthetic Gear Lube makes it excellent for all-season use. AMSOIL Long Life Synthetic Gear Lube helps extend equipment life and reduce maintenance costs.

APPLICATIONS

AMSOIL Long Life Synthetic Gear Lube, in the correct viscosity grade, is recommended for domestic and foreign applications, including over-the-road trucks, light-, medium- and heavy-duty trucks, off-road equipment, commercial vehicles, motor homes, autos, SUVs, emergency vehicles, buses, delivery/utility vehicles and tractors.

Use AMSOIL Long Life Synthetic Gear Lube 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, Dana SHAES 256 (Formerly Eaton PS-163) for 500,000 miles, Dana SHAES 429A, Mack GO-J & GO-J+, Meritor O-76N (75W-90) & O-80 (80W-140) plus hypoid gear oil specifications from all foreign and domestic manufacturers such as GM, Ford and Daimler Chrysler. It can also be used in rear axles where API Service GL-4 lubricant is recommended.

AMSOIL Long Life Synthetic Gear Lube provides:

- High-Load Gear and Bearing Protection
- Rust and Corrosion Protection
- Better Cold-Weather Shifting
- Improved Efficiency
- Improved Seal Life



75W-90 (FGR)
& 80W-140 (FGO)



TYPICAL TECHNICAL PROPERTIES

AMSOIL Long Life Synthetic Gear Lube 75W-90 & 80W-140

	SAE 75W-90 (FGR)	SAE 80W-140 (FGO)
Kinematic Viscosity @ 100°C, cSt (ASTM D-445)	16.6	26.4
Kinematic Viscosity @ 40°C, cst (ASTM D-445)	129.7	257.6
Viscosity Index	137	133
Brookfield Viscosity, cP (ASTM D-2983)	98,300 @ -40°C	59,926 @ -26°C
Flash Point, °C (°F) (ASTM D-92) 150°C Min.	214 (417)	218 (424)
Pour Point, °C (°F) (ASTM D-97)	-51(-60)	-40(-40)
Copper Corrosion (ASTM D-130)	1b	1b
@ 121 °C (250°F) / 3hr		
Foam Stability (ASTM D-892)	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.

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.

Product/ Classification	Normal Service	Severe Service
<i>Cars, SUVs & Light Trucks</i>	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
<i>Heavy-Duty Class 8 Line Haul</i>	Follow the OEM drain interval (miles or hours) for synthetic oil up to 500,000 miles or five years, whichever comes first. Otherwise, drain at twice the OEM interval for petroleum oil.	
<i>Vocational/ Delivery</i>	Follow the OEM drain interval (miles or hours) for synthetic oil up to 180,000 miles or five years, whichever comes first. Otherwise, drain at twice the OEM interval for petroleum oil.	
<i>Heavy-Duty Off-Road</i>	Follow the OEM drain interval (miles or hours) for synthetic oil up to 100,000 miles or five years, whichever comes first. Otherwise, drain at twice the OEM interval for petroleum oil.	

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

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.

AMSOIL LONG LIFE SYNTHETIC GEAR LUBE is compatible with conventional gear oils, however mixing oils reduces the benefits and nullifies the extended service life recommendations.

AMSOIL LONG LIFE SYNTHETIC GEAR LUBE is compatible with most limited-slip differentials. If limited-slip differential chatter occurs, add AMSOIL Slip-Lock® friction modifier additive.

AMSOIL LONG LIFE SYNTHETIC GEAR LUBE 75W-90 replaces competitors' 75W-90 and 80W-90 viscosity grades.

AMSOIL LONG LIFE SYNTHETIC GEAR LUBE 80W-140 replaces competitors' 80W-140 and 85W-140 viscosity grades.



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