



*The First in Synthetics*®

# Synthetic Gear Lube

**SAE 80W-90 (AGL)**

**Superior Replacement for  
Conventional Gear Oils**

## *Product Description*

AMSOIL 80W-90 Synthetic Gear Lube is a multi-functional product designed to surpass the requirements of equipment and automotive applications calling for an SAE 80W-90 viscosity grade. Formulated with wax-free synthetic base oils and high quality additives, AMSOIL 80W-90 Synthetic Gear Lube resists thermal breakdown. Its naturally high viscosity index and shear stable construction improves film strength and viscosity retention. AMSOIL Synthetic 80W-90 Gear Lube prevents wear, resists heat, and protects gears. It lasts longer in service than conventional gear oils and increases equipment life.

## *Applications*

AMSOIL Synthetic 80W-90 Synthetic Gear Lube is recommended for use under various combinations of high-speed, shock loads, low speeds and high torque conditions. It is recommended for use in all light and heavy-duty, automotive, commercial or industrial applications requiring SAE 80W-90 EP gear lube.

AMSOIL Synthetic 80W-90 Gear Lube replaces all conventional 80W-90 gear oils and exceeds the lubrication and performance requirements of front and rear differentials, transfer cases, transaxles, manual transmissions, oil lubricated wheel bearings, and steering gear boxes that require any of the following specifications: **API GL-5 & MT-1, MIL-PRF-2105E, Dana SHAES 234 (Formerly Eaton PS-037) for 250,000 miles, Mack GO-J, Arvin/Meritor O-76D plus hypoid gear oil specifications from all foreign or**



**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 Synthetic 80W-90 Gear Lube provides:*

- **High Load Gear and Bearing Protection**
- **Longer Oil and Equipment Life**
- **Lower Maintenance Costs**
- **Compatibility With Conventional and Synthetic Gear Lubes**
- **Multi-functional for Multiple Applications**



## TYPICAL TECHNICAL PROPERTIES

### AMSOIL Synthetic Gear Lube 80W-90 (AGL)

#### SAE 80W-90 (AGL)

Kinematic Viscosity @ 100°C, cSt (ASTM D-445)	14.9
Kinematic Viscosity @ 40°C, cst (ASTM D-445)	116.0
Viscosity Index	132
Brookfield Viscosity, cP (150,000 Max) @-26°C	38,250
Flash Point, °C (°F) (ASTM D-92) 150°C Min.	218 (424.4)
Pour Point, °C (°F) (ASTM D-97)	-42 (-43.6)
Falex Procedure B (ASTM D-3233) (failure load, lbf.)	1500
Foam Stability (ASTM D-892) (20/50/20 maximum)	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 Truck, Commercial Equipment</b>	Follow the OEM drain interval (miles or hours) for synthetic oil up to 250,000 miles. Otherwise, drain at twice the OEM interval for conventional oil.	Follow the OEM drain interval (miles or hours) for synthetic oil. 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.

**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 SYNTHETIC 80W-90 GEAR LUBE** is compatible with synthetic and conventional gear oils, however mixing oils reduces the benefits and nullifies the extended service life recommendations.

**AMSOIL 80W-90 SYNTHETIC GEAR LUBE** is compatible with most limited slip differentials. If limited slip differential chatter occurs, add AMSOIL Slip-Lock™ friction modifier additive.

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

