



The First in Synthetics®

Synthetic Manual Transmission & Transaxle Gear Lube

SAE 75W-90 API GL-4

Formulated specifically for the most demanding manual transmission and transaxle applications

Product Description

AMSOIL Synthetic Manual Transmission and Transaxle Gear Lube (MTG) is a premium blend of the finest synthetic base oils and advanced, high-performance additives. It is formulated specifically for maximum protection in the most demanding manual transmission and transaxle applications where an extreme-pressure GL-4 gear lube is specified, including those where high-horsepower/high-torque engines and towing or heavy loads increase transmission stress.

AMSOIL MTG prevents the thinning effects of mechanical shear. It maintains its viscosity and superior film strength for consistent, long-lasting wear protection. MTG excels in hot and cold temperature extremes that exceed the limits of conventional mineral oils. It protects against rust, keeps seals soft for long life, and is compatible with brass synchros for smooth synchromesh shift quality.

Ideal for NV-4500 Transmissions

MTG is a thermally stable, extreme-pressure formulation that resists heat, oxidation, acid build-up and varnish. It is the ideal gear lube for high-temperature applications, including the New Venture NV-4500 transmission, which retains heat due to its cast iron housing and is often subjected to heavy loads and high torque from turbo-diesel engines.



AMSOIL MTG is the replacement fluid for GM part #12346190 and Chrysler part #4874459 (Chrysler specification #MS-9070).

Ideal for Muscle Car Transmissions

The extreme-pressure design of MTG reduces friction, heat and wear. It withstands the high horsepower and quick shifts common to muscle cars equipped with large-displacement engines.

Ideal for Front-Wheel Drive Transaxles

The advanced synthetic formulation provides ultimate protection for gears and bearings in front-wheel drive transaxles.

Excellent for Service Centers

MTG is a versatile transmission and transaxle lubricant. It reduces inventory needs, is readily available and is cost effective compared to vehicle OEM-branded products.

Performance Features

- **Reduces friction, heat and wear**
- **Superior high-temperature stability**
- **Resists heat, oxidation, acid build-up and varnish**
- **Lasts two times longer than conventional petroleum oils**
- **Improves cold-weather shifting**



TYPICAL TECHNICAL PROPERTIES

Synthetic Manual Transmission & Transaxle Gear Lube (MTG)

Kinematic Viscosity @ 100°C, cSt (ASTM D-445)	14.7
Kinematic Viscosity @ 40°C, cSt (ASTM D-445)	84.5
Viscosity Index	181
Flash Point, °C (°F) (ASTM D-92) 150°C Min.	204 (399)
Pour Point, °C (°F) (ASTM D-97)	-46 (-51)
4-Ball Wear 75° C, 1200 rpm, 40kg, 1hr.	0.45
Brookfield Viscosity @-40°C	44,200
Foam Stability (ASTM D-892) (20/50/20)	0/0/0
Copper Corrosion (3hr, 121°C) (ASTM D-130)	1B

Applications

Recommended for synchronized manual transmissions and transaxles that require 75W-85, 75W-90 or 80W-90 viscosities and any of the following performance specifications: API GL-4 and MT-1, ZF TE-ML 02B, 16A, 17A and 19A, Chrysler MS-9070 and MAN 341 ML. Recommended for use in NV-4500 transmissions, and replaces GM part #12346190 and Chrysler part #4874459.

Meets GL-4 performance specifications required by some models of Acura, Hyundai, Infiniti, Kia, Land Rover, Lexus, Mazda, Mitsubishi, Nissan, Subaru, Suzuki, Toyota, Volkswagen, Hino Mitsubishi-Fuso, and Zetor.

Ideal for muscle car transmissions such as Muncie, Borg Warner, Saginaw, Ford Toploader, Dearborn and New Process. Also recommended for Gear Vendors Gear Splitters.

Service Life

Under normal operating conditions AMSOIL MTG will last two times longer than conventional petroleum GL-4 gear oils. Where the original equipment manufacturer (OEM) recommends synthetic oils, follow the OEM drain interval (such as NV-4500).

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

