



Service Line

NEWS AND IDEAS FROM AMSOIL

NEW Oils Provide Maximum Protection for Manual Transmissions

AMSOIL introduces two new oils formulated for maximum protection of manual transmissions.

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



AMSOIL MTG meets and exceeds the gear, bearing, synchromesh and seal demands found in automobiles and light trucks.

MTG is formulated with extreme pressure (EP) additives and advanced synchromesh qualities for smooth shifts while protecting gears, bearings and seals.

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 because of its cast iron housing and is often subjected to heavy loads and high torque from turbo-diesel engines.

AMSOIL MTG replaces GM part #12346190 and Chrysler part #4874459 (Chrysler specification MS-9070).

Applications

MTG is recommended for synchronized manual transmissions and transaxles that require 75W-85, 75W-90 or 80W-90 API GL-4 gear lube. MTG meets performance specifications required by some models of Acura, Hyundai,

Infiniti, Kia, Land Rover, Lexus, Mazda, Mitsubishi-Fuso and Zetor.

AMSOIL Synthetic Manual Synchromesh Transmission Fluid (MTF) SAE 5W-90 is a premium quality, synthetic lubricant designed to surpass the most demanding lubrication requirements of manual transmissions and transaxles where non-extreme pressure fluids are used.

MTF protects gears and bearings in extreme temperatures. It outperforms conventional oils and delivers outstanding performance from -40 degrees F to 300 degrees F. It maximizes energy efficiency and resists the effects of heat, oxidation, sludge and varnish deposits.



Ideal for Many General Motors Chrysler and Honda Vehicles

AMSOIL MTF is a higher quality, lower cost replacement for multiple vehicle manufacturer branded products. This premium synthetic formulation provides enhanced wear protection and lasts longer in service. MTF exceeds the performance requirements of manual transmissions and transaxles.

Additional Performance Features

- Superior high temperature stability
- Last twice as long as mineral oils
- Improve cold weather shifting
- Excel in hot and cold temperature extremes
- Shear stable
- Protect against rust
- Keep seals soft

AMSOIL Saves Truck Engine in Long Haul

From the beginning it was a long haul. Then it got longer when Bobby Milligan made a trip from his home in Pine Grove, Penn., to Columbus, Ohio, hauling two horses in a trailer pulled by his used '94 Ford F-150, with 178,000 miles on the engine.

He learned about AMSOIL products from his mechanic and installed AMSOIL Synthetic XL10W-30 Motor Oil, AMSOIL Synthetic Automatic Transmission Fluid and AMSOIL Long Life Synthetic 75W-90 gear lube when the truck had about 90,000 miles on the engine.

Milligan was driving that truck when he went on a weekend trip with his then-girlfriend Deb. "From my door to hers it's 400 miles," Milligan said. Milligan periodically hauled their horses from Pennsylvania to Ohio.

"The area has three large mountains I had to travel over and through," Milligan said. "Driving the Pennsylvania turnpike is not a fun experience with that kind of load."

The weekend getaway that February included hauling the horses an additional 150 miles from Deb's home in Ohio and ended with some "exciting" events, Milligan said.

Shortly after a stop for gas on the way home, Milligan realized he had poor oil pressure. "Not knowing the area,



SURVIVED THE TRIP – Bobby Milligan at his home in Pine Grove, Penn. with his horses Cody, left, and Freckles.

I pressed on," he said. "After all, I was pulling two horses." Soon, he had no oil pressure. He used his cell phone to call his mechanic at home who advised him to get to a garage as soon as possible and not drive any further. Milligan, however, was determined to get the horses home. In Columbus, he stopped at a garage where he was advised to replace the engine.

"Yeah, right, I'm 400 miles away from home and they want me to replace the motor," Milligan said.

He asked for AMSOIL motor oil, but had to put another oil in the truck. He headed home to a "trustworthy" mechanic. There, diagnostics showed the oil pump had failed but there was no engine damage, according to the mechanic.

"He didn't have any idea how I was able to tow that amount of weight and go the distance I did," Milligan said. "In short, I owe it all to AMSOIL motor oil."

He still uses the truck every day in his job as an assistant fire chief, often getting up in the middle of a cold night and racing to an emergency. "AMSOIL stands up to the abuse," Milligan said. "I will continue to spread the word on how AMSOIL motor oil saved my truck and my horses."



The AMSOIL Service Line sent courtesy of your Servicing AMSOIL Dealer.

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