



Havoline® Fully Synthetic Manual Transmission Fluid SAE 75W-90

Product description

Havoline® Fully Synthetic Manual Transmission Fluid SAE 75W-90 is a fully synthetic, high performance, highly shear stable, multigrade manual transmission fluid (MTF) specifically designed for Asian passenger car manual transmissions and transaxles.

Customer benefits and product features

Customer benefits

- **Easy gear selection**
Special combination of friction modifiers, additives and viscosity produce frictional characteristics to help allow synchronizer rings and cones to engage properly to enable light and easy gear shifting and excellent noise control.
- **Maximizes transmission life**
Extremely shear stable viscosity index improver does not break down under the high shear stresses of modern transmissions, ensuring that oil viscosity and fluid film thickness are sufficient to help protect gears against wear and scuffing. Mild extreme pressure additives provide the load carrying capacity necessary to help minimize wear of transmission components under all standard service conditions.
- **Long fluid service life**
Synthetic base oils and effective oxidation inhibitors impart excellent thermal and oxidation stability, to help provide resistance to oil degradation.
- **Saves on maintenance**
Maximized transmission life together with superior resistance to oil degradation help provide the potential to save on maintenance cost.

Product features

- Havoline® Fully Synthetic Manual Transmission Fluid can also be used in other manual transmissions fitted to modern passenger car and light-duty commercial vehicles.

Applications

- Japanese and Korean passenger car and light commercial vehicle manual transmissions and transaxles
Not recommended for use in heavy-duty truck and bus manual transmissions, or in spiral bevel or hypoid drive axles where API GL-4 or GL-5 type gear lubricants are specified.



Havoline[®] Fully Synthetic Manual Transmission Fluid SAE 75W-90

Product approvals, performance and recommendations

Suitable for use in the following makes of manual transmissions and transaxles:

- Hyundai
- Kia
- Mazda
- Mitsubishi
- Nissan
- Suzuki
- Toyota
- Meets API GL-4 (self-certified)

Service considerations

Most original vehicle manufacturers integrate fluid and hardware design, thereby developing tailor-made lubricants for their transmissions. These fluids are used for factory fill and are often specified for in-warranty protection service throughout the manufacturer dealer networks. Unlike commercial vehicle manufacturers, many passenger vehicle manual transmission fluid specifications are not publicly available. This means that the only 'approved' lubricant for that transmission is the factory fill fluid. In this environment, a multi-vehicle MTF such as Havoline Fully Synthetic Manual Transmission Fluid SAE 75W-90, that is suitable for use in a wide range of vehicles, has significant utility in service facilities that encounter a wide range of vehicle makes and models.

Havoline Fully Synthetic Manual Transmission Fluid SAE 75W-90 has not been formally evaluated by vehicle or transmission manufacturers. However based on comprehensive in-house bench test validation and vehicle fleet testing, we are confident that Havoline Fully Synthetic Manual Transmission Fluid SAE 75W-90 has been shown to provide shift quality performance and durability that is comparable to the manufacturer genuine oils. Primarily intended for use in transmissions where SAE 75W-90 viscosity is specified or allowed, it may also be suitable for use in transmissions where SAE 75W-80 or SAE 75W-85 viscosity grades are specified, particularly in tropical ambient conditions.

Although Havoline Fully Synthetic Manual Transmission Fluid SAE 75W-90 does meet API GL-4, this is a secondary target and it is nevertheless not designed for nor intended for use in any spiral bevel or hypoid drive axles. It is based upon detergent-zinc type additive technology, and so should not be mixed in service with conventional sulfur-phosphorus type EP gear oils, nor should it be used in any manual transmissions or transaxles for which sulfur-phosphorus based fluids are specified, although such are now in the minority where passenger cars and light commercial vehicles are concerned.

Havoline® Fully Synthetic Manual Transmission Fluid SAE 75W-90



Typical test data

HAVOLINE® FULLY SYNTHETIC MANUAL TRANSMISSION FLUID SAE 75W-90	RESULTS
SAE Grade	75W-90
Product Code	510421
Density, kg/L @ 15°C	0.870
Pour Point, °C	-45
Shear Stability (KRL) Viscosity, mm ² /s @ 100°C (after shear)	14.2
Viscosity, Brookfield cP @ -40°C	128,000
Viscosity, mm ² /s @ 40°C	90.9
mm ² /s @ 100°C	15.1
Viscosity Index	175

This bulletin was prepared in good faith from the best information available at the time of issue. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. It is the responsibility of the user to ensure that the products are used in the applications for which they are intended. Produced by Chevron Global Lubricants: Asia Pacific.

ENVIRONMENT, HEALTH and SAFETY. Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit the [Product Information Center](#).

This Product Data Sheet (PDS) was produced for the Asia Pacific region based on the best available information at the time of issue. The specific information included may not directly reflect the market or conditions, and may vary. For the most up-to-date, country-specific information, please contact your local customer service center

[Visit Product Information Center >](#)

Havoline® Fully Synthetic Manual Transmission Fluid SAE 75W-90/Asia Pacific/CHV/PDSv1_03/2024



A Chevron company product

© 2024 Chevron Products Company. Asia Pacific.
All Rights Reserved.