RAVENOL ATF ZMS

Kategorie: Gear oil for automatic transmissions

Artikelnummer: 1211102

Oil type: Synthetic

Recommendation: MAN 339 Z3, MAN 339 Z4, ZF 0671 072 120, ZF 0671 072 130, ZF TE-ML 04D, ZF TE-ML 14E, ZF TE-ML 16N, ZF TE-ML 16Q, ZF TE-ML 20F

Application: Truck

1L | 1211102-001
4L | 1211102-004
10L | 1211102-010
20L | 1211102-020
20L | 1211102-B20
60L | 1211102-060
208L | 1211102-208
208L | 1211102-D28
1000L | 1211102-700

RAVENOL ATF ZMS was developed with a high-quality synthetic base oil and a special selection of additives and inhibitors to produce excellent thermal and oxidation stability and adhesion factor performance. This guarantees the perfect functioning of the automatic transmission.

RAVENOL ATF ZMS demonstrates excellent flow properties at low temperatures.

RAVENOL ATF ZMS is a new generation ATF (Automatic-Transmission-Fluid) for ZF automatic transmissions of commercial vehicles. Guarantees maximum wear protection in every operating status.

RAVENOL ATF ZMS supports oil-change intervals up to 150,000 km, or a maximum of up to 3 years.

RAVENOL ATF ZMS enhances the reliability of older ZF transmissions, counters vibrations, ensures particularly soft gear changes as well as good driving comfort and also possesses friction-reducing properties.

RAVENOL ATF ZMS can contribute towards optimizing your servicing and operating costs by extending oil-change intervals. It is particularly recommended for applications with oil sump temperatures from 80°C up to 110°C according to ZF specification.

Application Note

RAVENOL ATF ZM was specially developed for heavy-duty ZF automatic transmissions used in local and regional public transport systems. Extreme loads, such as e.g. demanding topography, stop-and-go traffic and frequent retarder operation are not a problem for **RAVENOL ATF ZM**.

RAVENOL ATF ZM can be mixed with all ATF types of the ZF lubricant list TE-ML 04D. Oil and filter change intervals for Ecomat transmissions in busses up to 150,000 km, or every 3 years. Oil and filter change intervals for Ecomat transmissions in trucks, construction machinery and special vehicles during normal use (fire engines, construction vehicles and dumpers with high driving distances) after 2000 h or every 2 years.

Oil and filter change intervals under demanding conditions (refuse collection vehicles, vehicles with high off-road times (low distance, high gear shift rate) after 1500 h or once a year.

Characteristics

- Very good lubricant properties, even in low winter temperatures
- High, stable viscosity index
- Very good oxidation stability
- Excellent protection against wear, corrosion and frothing
- Excellent friction coefficient consistency
- High thermal and oxidative stability
- Excellent cooling properties

Technical Product Data

PROPERTY	UNIT	DATA	AUDIT
Density at 20 °C	kg/m³	843,0	EN ISO 12185
Colour		blau	VISUELL
Pourpoint	°C	-51	DIN ISO 3016

All indicated data are approximate values and are subject to the commercial fluctuations.

RAVENOL special transmission fluids are special developments for special gears and cannot be selected on the basis of technical parameters (viscosity, etc.). Therefore the decision was made not to give technical data. Please note: RAVENOL special transmission fluid is exclusively to apply under the original number, as indicated in the product information. If you are unsure about the right transmission fluid, ask your workshop or dealership for advice on the transmission type and OEM original number or ask our experts, making sure to state the VIN code (vehicle identification number) of your vehicle. Misapplication of RAVENOL special transmission fluid can lead to malfunction of the transmission shifting problems, increased fuel consumption, unwanted slip behavior, etc. and cause the failure of the transmission. Ravensberger Schmierstoffvertrieb GmbH is not liable for transmission failures in case of wrong selection of RAVENOL special transmission fluid.

Alle angegebenen Daten sind ca. Werte und unterliegen handelsüblichen Schwankungen.

30.05.2023