

Mobile Transmissions. Manual Transmissions.

Driveline FE+LD 75W-80



Key information

- A high-performance, 100% synthetic lubricant for heavily loaded, state-of-the-art manual transmissions. Its advanced formulation makes it ideal for extended service intervals and for reducing fuel consumption.



> Quality standards

- API GL-4+

> Manufacturer specifications

- ZF TE-ML 01L/02L/16K (ZF 004812)
- MAN 341 Z4
- Volvo 97307
- DAF/Iveco/Renault

> Use

- Suitable for mechanical transmissions in light- and heavy-duty vehicles.
- Recommended for commercial vehicles and heavy-duty diesel vehicles equipped with ZF transmissions (MAN, Iveco, DAF, Renault).
- Meets ZF TE-ML 02L and MAN 341 Z4 specifications, replacing the older ZF TE-ML 02D and MAN 341 Z3 specifications.
- Excellent performance under severe operating conditions and extreme temperatures (up to 40°C).
- In latest-generation boxes that require:
 - Smooth gear shifting.
 - Good and precise response from the gear synchros.
 - Reduced friction to increase the vehicle's power.

> Benefits

- Extended oil change intervals of up to approximately 400,000 km.
- Greater driving "comfort" thanks to smooth gear shifts.
- Its high viscosity index ensures excellent lubrication at both low and high temperatures.
- Significantly reduces fatigue on gear teeth due to its high load-carrying capacity.
- It helps save fuel thanks to its anti-friction properties.
- It protects the synchronizers and prevents their premature wear during cold starts.

The values of typical characteristics listed in the table are average values provided for informational purposes only and do not constitute a guarantee. These values are subject to change without notice.

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> Physical and chemical properties

Characteristic	Units	Method	Driveline FE+LD 75W-80
SAE Grade	–	–	75W-80
Density at 15°C	kg/l	ASTM D 4052	0.858
Viscosity at 100°C	cSt	ASTM D 445	9.5
Viscosity at 40°C	cSt	ASTM D 445	55.8
Viscosity Index	-	ASTM D 2270	155
Brookfield viscosity -40°C	cP	ASTM D 2983	49000
Pour Point	°C	ASTM D 5950	-42
Flash Point	°C	ASTM D 92	240

> Health & safety and environment

A Material Safety Data Sheet providing information on product hazards, handling precautions, first aid measures, and relevant environmental data is available for this product as per applicable legislation.