



NAVIGATOR MBT LL 75W-90

Description

Synthetic multi-grade oil for manual and automated gearboxes of heavy duty and commercial vehicles and any other application with high performance GL-4 fluid requirements. Specifically designed and approved by Mercedes Benz to be used in gearboxes of Actros vehicles, included those with transfer.

Contributes to fuel economy, improving the efficiency of the gearbox when compared to conventional non-dedicated oil. Suitable for gearboxes working under high temperature, even those without an oil cooler.

Recommended for Mercedes-Benz Actros & Actros II Euro 6, MK, Atego, SK, Axor, Antos, Arocs, Zetros, Touringcars, LK, NG, as well as Freightliner Cascadia, Setra, Sisu, and VDL Futura Trucks and Buses. Light duty vehicles Sprinter, T2 & Vario, and Mercedes G-Class. Also recommended for construction, mining and materials handling equipment manufactured by Grove, Manitowoc and Terex Demag, and any other application requiring a Mercedes MB 235.11 approved fluid.

Properties

- Specifically designed for gearboxes, protects synchronizing components and ensures easy shifting
- High thermal and mechanical stability, even under high shear stress
- Very good viscosity-temperature behaviour ensures optimum lubrication over a very wide temperature range
- High quality synthetic fluid appropriate for extended drain intervals
- Provide protection and cleanliness for gear teeth and bearings reducing maintenance costs

Quality levels, approvals and recommendations

• DAIMLER TRUCK: DTFR 13B110*

• MB: 235.11*

• API: GL-4

• MAN: 341 Type MB

*Formal approval

Technical specifications

	UNIT	METHOD	VALUE
SAE Grade			75W-90
Density at 15 °C	g/cm ³	ASTM D4052	0.85
Kinematic viscosity at 100 °C	cSt	ASTM D445	14.5
Kinematic viscosity at 40 °C	cSt	ASTM D445	96
Brookfield Viscosity at -40 °C	cP	ASTM D2983	<50,000
Viscosity index	-	ASTM D2270	160
Flash point, open cup	°C	ASTM D92	>215
Pour point	°C	ASTM D97	<-45

The above mentioned characteristics are typical values and should not be considered product specifications.