



ASTRIS GEMAX TDL SYNTH

SAE 75W-90

Fully synthetic multi-purpose gear oil

High performance fully-synthetic gear oil with Total Drive Line (TDL) technology.

This product was especially developed for universal applications and can be used, depending on manufacturer regulations, for axle drives as well as for gearboxes of heavy duty vehicles and machines. The special formulation of this product ensures a reliable lubrication also under extreme operating conditions and at very low temperatures.

It is suitable for extended oil change intervals.

Properties and features

- Extremely broad temperature employment range: the high viscosity index and the synthetic base oils ensure a very favorable viscosity at low temperatures as well as highly effective lubrication at high temperatures.
- Excellent shear stability and temperature resistance, which allow a long service-life of the fluid.
- Highest wear protection also at extreme mechanical and thermal loads.
- It reduces the friction losses and lowers the fuel consumption.
- Simplifies and reduces the needed oil sorts for mixed vehicle fleet.

Use

High-performance low viscosity gear oil for universal use, depending on manufacturer specifications, in synchronized and non-synchronized gearboxes, axle drives, rear-axles, hypoid gears (without limited slip differential) of commercial vehicles and passenger cars where the specification API GL-5 or API GL-4 is prescribed.

The properties of this product allow extended oil drain intervals.

Observe manufacturer's specifications and instructions before use.

Specifications / Performance level

API GL-4, API GL-5	ARVIN MERITOR 076-N
API MT-1	SCANIA STO 1:0; STO 2:0A (FS)
SAE J2360	VOLVO 97310, 97316 level
MB-Approval 235.8 (max. 500'000 km)	VOLVO 97312
MAN 341-Z2	MACK GO-J
MAN 341-E3	ZF TE-ML (02A), 02B, 05A, (05B), 07A, 08, 12B, 12L, 12N, 16B, 16F, (17A), 17B, 19C, 21A, (21B)
MAN 342-M3	MIL-L-2105, 2105 D, MIL-PRF-2105 E
MAN 342-S1	DAF (API GL-5, MIL-PRF-2105 E)
MAN 3343 type S / 3343 SL : shift transmission max. 160'000 km rear-axles max. 320'000 km)	IVECO (MIL-PRF-2105 E)
FORD WSS M2C-200C	Renault Trucks (technical note B0032/2 annex 3)
DETROIT DIESEL DFS93K219.01	



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Technical data	Unit	Method
Density at 15°C	0,872 g/cm ³	ASTM D 1298
Viscosity at 40 °C	103 mm ² /s	ASTM D 445
Viscosity at 100 °C	15,1 mm ² /s	ASTM D 445
Viscosity index	157	ASTM D 2270
Brookfield viscosity at -40°C	86,000 cP	ASTM D 2983
Flash point C.O.C.	200 °C	ASTM D 92
Pour point	-51 °C	ASTM D 97

Health, safety and environment

ADR / SDR : Not dangerous

EU Waste List Code : 13 02 08