



Finnexx Marcelo Oils

Autogear GL5 EP Monograde

PRODUCT DESCRIPTION

Finnexx Marcelo Autogear GL5 EP is a range of automotive gear lubricants suitable for API GL-5 and MT-1 applications. They are formulated with mineral base oils and a high performance EP additive system. Finnexx Marcelo Autogear GL5 EP is available in the viscosity grades SAE 80W-90, 85W-140, 90 and 140. (see associated sheet for Multigrades)

CUSTOMER BENEFITS

- Excellent shear stability, ensuring that the viscosity is retained throughout the fluid lifetime
- Excellent EP protection, protecting components against scuffing, pitting, scoring, spalling and wear
- Mild-EP additive is non-corrosive towards sensitive copper alloy components
- Excellent rust protection
- Excellent oxidation stability prevents oil from thickening during service, and keeps gear cases, bearings and seals clean and free from harmful deposits
- Compatible with a wide variety of elastomer materials, preventing loss of fluid due to seal deterioration
- Good resistance to foaming

APPLICATIONS

Finnexx Marcelo Autogear GL5 EP is designed for use in automotive hypoid drive axles, steering systems, heavy-duty non-synchronized transmissions and transaxles which require a fluid with API GL-5 or MT-1 performance.

The Thuban GL5 EP range may be used in final drive axles that require a GL-4 lubricant. However, the friction characteristics of the Thuban GL5 EP range make them generally unsuitable for use in synchronized manual transmissions and transaxles, and they should not be used in these applications unless a GL-5 fluid is specifically recommended. If a GL-4 lubricant is specified, use Thuban GL4.

PERFORMANCE

		SAE 90	SAE 140
API	GL-5	Meets requirements	Meets requirements
US Military	MIL-L-2105B	Meets requirements	Meets requirements

Additionally meets requirements of OEM ZF



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TYPICAL TEST DATA

Characteristic		Test methods	SAE 90	SAE 140
Viscosity, Kinematic, 100°C	mm ² /s	ASTM D445	17.5	26.0
Viscosity, Kinematic, 40°C	mm ² /s	ASTM D445	190	359
Viscosity Index		ASTM D2270	100	96
Shear Stability 20 hr Vis Kin 100°C after shearing	mm ² /s	CEC L45A99	17.4	25.9
Pour Point	°C	ASTM D97	-21	-15
Rusting test, Procedure A		ASTM D665A	Pass	Pass
Copper Corrosion, 3 hr, 121°C		ASTM D130	1b	1b
Timken OK load	kg	ASTM D2782	27	27
Foam All Seq	ml	ASTM D892	0	0

Health & Safety Note – Always maintain good levels of personal hygiene when handling mineral oils. Wear protective clothing/gloves. Wash hands and skin areas where contact has occurred and avoid ingestion. See applicable Material Safety data Sheet for further information