

Description

Extreme Pressure multigrade lubricant oil recommended for use in vehicle differentials or hypoid and helical transmissions, as well as Voith transmission final drives for trains and manual gearboxes requiring API GL-5 oil.

Properties

- Excellent capacity for withstanding peak loads and temperatures. Extreme Pressure (EP).
- Very good resistance to ageing.
- Excellent antirust and antifoam properties.
- Aids lubrication at low temperatures.
- As it is a multigrade oil it offers excellent protection in very severe temperature and use conditions.
- Offers a better response to manual gearbox synchronisation than a monograde oil thanks to its lower friction in gear cogs, particularly at low temperatures.
- Good antiwear properties, thus extending useful transmission life.

Quality levels, approvals and recommendations

- API GL-5 (80W-90 and 85W-140)
- MB 235.0 (80W-90)*
- VOLVO 97310 (85W-140)
- MAN 342 M1 (80W-90)
- RENAULT Axles (80W-90)
- ZF TE-ML 07A/08/16B/16C/17B/19B/21A (80W-90)*
- ZF TE-ML 07A/08/16C/16D/21A (85W-140)*
- VOITH TURBO 132.00374400 (ex 3.325-339) (80W-90)*
- DAF API GL-5 (80W-90 and 85W-140)
- MIL-L-2105 D (80W-90 and 85W-140)

*Formal approval

Technical specifications

	UNIT	METHOD	VALUE	
SAE Grade			80W-90	85W-140
Density at 15 °C	g/mL	ASTM D 4052	0,899	0,914
Viscosity at 100 °C	cSt	ASTM D 445	15,4	28,3
Viscosity at 40 °C	cSt	ASTM D 445	140	400
Viscosity at 40° C	cP	ASTM D 2983	< 150.000	
Viscosity at -12° C	cP	ASTM D 2983	< 150.000	
Viscosity index	-	ASTM D 2270	> 105	> 95
Flash point, open cup	°C	ASTM D 92	> 170	> 190
Pour point	°C	ASTM D 97	-27	-18
FZG, Step 12		DIN 51354	Pass	Pass
4-Ball, ICD		ASTM D 2783	> 50	> 50

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