PRISTA® EP

AUTOMOTIVE GEAR OILS

DESCRIPTION

PRISTA® EP automotive gear oils are formulated with a special selection of high quality solvent refined and hydrotreated base stocks and an ashless sulfur phosphorus type additive package. PRISTA® EP gear oils are available in the following SAE J 306 viscosity grades: 80W, 90, 140 (monogrades) and 80W-90, 85W-90 & 85W-140 (multigrades).

BENEFITS

- Excellent oxidation stability and enhance resistance to breakdown from heat
- Excellent protection for all gear drive components
- Especially wide temperature application range thanks to their very low pour point (80W & 80W-90)
- Dependable rust & corrosion protection
- Very good seal compatibility preventing oil leakages
- Excellent anti-wear, anti-scuffing and anti-seizure properties at a variety of speeds and loads.

APPLICATION

PRISTA® EP automotive gear oils are developed to lubricate all types of hypoid, spiral bevel, two-speed and final axle gear drives including worm gear drives in automotive vehicles and industrial applications, operating at severe and shock loads, and sliding velocities.
They are recommended for manual transmissions, rear drive axles and hypoid final drives (differentials) that require API GL-5 EP quality level gear oils (equivalent for these viscosity grades to the obsolete USA MIL-L-2105C/D specification).

PRISTA® EP

SPECIFICATIONS

API GL-5, BDS 9797-82 and TM 5 according to BDS 14368-82
MB - Approval 235.0 - **PRISTA®EP 90 & PRISTA®EP 85W-90**
MAN 342 Type M-1 - **PRISTA®EP 90, PRISTA®EP 80W, PRISTA®EP 80W-90 & PRISTA®EP 85W-90**
Volvo 97310 - **PRISTA®EP 90 & PRISTA®EP 80W**
Voith 3.325-339 - **PRISTA®EP 90 & PRISTA®EP 80W-90**
ZF TE-ML 05A/07A/16B/16C/17B/19B/21A - **PRISTA®EP 90 & PRISTA®EP 80W-90**
ZF TE-ML 05A/07A/16D/17B/19B - **PRISTA®EP 85W-90**
ZF TE-ML 16D - **Prista® EP 140,** MIL-L 2105 D - **PRISTA®EP 80W-90**

TYPICAL CHARACTERISTICS

№	PARAMETER	TEST METHOD	TYPICAL VALUE					
			80W	80W-90	90	140	85W-90	85W-140
1.	Density at 20°C, g/ml	EN ISO 3675	0.883	0.891	0.901	0.906	0.900	0.903
2.	Kinematic Viscosity at 100°C, mm^2/s	EN ISO 3104	7.5	14.5	19.5	28.5	17.0	24.5
3.	Viscosity Index	ISO 2909	101	110	93	90	100	94
4.	Brookfield Viscosity - at -26°C, cP - at -12°C, cP	ASTM D 2983	17 000 –	130 000 –	– –	– –	– 68 000	– 90 000
5.	Flash point, COC, ° C	EN ISO 2592	204	215	218	220	210	226
6.	Pour point, ° C	ISO 3016	-36	-30	-15	-9	-27	-20
7.	Foaming, ml (Tendency/Stability) - Seq I, at 24°C - Seq II, at 93.5°C - Seq III, at 24°C	ISO 6247	0/0 0/0 0/0					
8.	Rust Preventive Properties in the presence of distilled water	ISO 7120	pass					
9.	Copper Strip Corrosion	EN ISO 2160	3b					
10.	Four Ball EP Wear - Weld Point, da N - Load Wearing Index, da N	ASTM D 2783	500 60					
11.	FZG Test - Failure Load Stage	ASTM D 5182	12					

AUTOMOTIVE GEAR OILS

Remark: The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved.