

GOLDENSTONE® EP SAE 80W/90/140

Technical Data Sheet (TDS)

MONOGRADE AUTOMOTIVE GEAR OILS

Description and Application

Goldenstone® 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.

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.

Goldenstone® EP automotive gear oils are recommended for manual transmissions, rear drive axles and hypoid final drives (differentials) that require API GL-5 EP quality level gear oils.

Benefits

- Excellent oxidation stability and enhance resistance to breakdown from heat
- Excellent protection for all gear drive components
- 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

Specifications

	SAE 80W	SAE 90	SAE 140
API	GL-5		
ISO 6743/6	ISO-L-CKT		
	342 Type M-1, 342 Type M-2	342 Type M-1, 342 Type M-2	-
ZF Specification	TE-ML 17B	TE-ML 05A/07A/08/12E/16B/16C/17B/19B	16D
Volvo	-	STD 1273.10	-

Typical Characteristics

Parameter	Test Method	Typical Value		
		SAE 80W	SAE 90	SAE 140
Density at 20°C, g/ml	EN ISO 3675	0.878	0.897	0.904
Kinematic Viscosity at 100°C, mm ² /s	EN ISO 3104	8.9	19.4	28.5
Viscosity Index	ISO 2909	100	93	90
Flash point COC, °C	EN ISO 2592	-30	-18	-12
Pour point, °C	ISO 3016	218	228	232
Brookfield Viscosity at minus 26°C, cP	ASTM D 2983	40 000	-	-
Copper Strip Corrosion, rating	EN ISO 2160	1b		
FZG Test - Failure Load Stage	ASTM D 5182	12		

Important note: typical data values do not constitute a specification but are an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved.

Health, Safety and Handling

Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application.

For more information about product MSDS, terms and conditions for storage and shelf life please visit:

www.goldenstoneoils.com

Packages

20L, 210L, 1000L