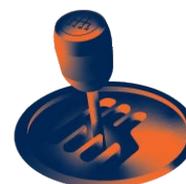


TECHNICAL PRODUCT SHEET

MAX GEAR EP/GL-5

80W—90, 85W—90, 85W—140



DESCRIPTION

MAX GEAR EP/GL-5 is a range of premium-quality, multipurpose gear lubricants formulated with advanced extreme-pressure (EP) additives. They are designed for operation under high load and/or high-speed conditions, ensuring the formation and retention of an adequate lubricating film, even in hypoid gears subjected to shock loads. They exhibit excellent resistance to thermal and oxidative degradation, preventing the formation of harmful deposits under severe operating conditions. They fully meet the performance requirements of API GL-5, providing reliable protection, durability, and performance in demanding drivetrain applications.

APPLICATIONS

MAX GEAR EP/GL-5 series is ideal for use in heavy-duty hypoid axles, highly stressed final drives, and manual transmissions, as well as steering gears and auxiliary drives of passenger cars, commercial vehicles, and off-highway equipment, in accordance with the specifications of major manufacturers. For synchronized manual transmissions in passenger cars, vans, trucks, and buses, these lubricants should be used only in applications where an API GL-5 performance level is explicitly recommended by the manufacturer.

SPECIFICATIONS

API	GL-5	ZF	TE-ML 08
MAN	342 Type M1	ZF	TE-ML 12E
MAN	342 Type M2	ZF	TE-ML 16B
U.S. Military	MIL-L-2105D	ZF	TE-ML 16C
ZF	TE-ML 05A	ZF	TE-ML 16D
ZF	TE-ML 07A	ZF	TE-ML 21A
Suitable for:	Volvo 97310 (1273.10)		

PROPERTIES

MAX GEAR EP/GL-5 series is formulated with sulfur-phosphorus extreme-pressure (EP) additive technology, the lubricant provides robust protection under severe loading conditions. It offers excellent resistance to foaming and corrosion, ensuring stable lubrication and long-term component protection. The formulation delivers exceptional thermal and chemical stability at elevated operating temperatures, maintaining lubricant integrity and performance. Superior viscosity-temperature behavior ensures reliable lubrication across a wide temperature range, while remaining fully compatible with conventional sealing materials.

BENEFITS

MAX GEAR EP/GL-5 series provides effective protection against pitting wear under severe load conditions, ensuring high load-carrying capacity. Supports extended drain intervals and delivers smooth shift performance. The formulation minimizes deposit and sludge formation, contributing to extended component service life, while offering excellent cold-flow properties, enhanced thermal stability, and flexibility across a wide range of applications.



TECHNICAL PRODUCT SHEET

PHYSICAL-CHEMICAL CHARACTERISTICS

MAX GEAR EP/GL-5	METHOD	SAE 80W-90	SAE 85W-90	SAE 85W-140
Density at 15°C, g/cm ³	ASTM D4052	0.892	0.892	0.898
Viscosity, Kinematic (cSt) 40°C	ASTM D445	134.0	147.0	340.0
Viscosity, Kinematic (cSt) 100°C	ASTM D445	14.2	14.8	25.5
Viscosity index	ASTM D2270	104	100	98
Flash point, COC, °C	ASTM D92	220	230	250
Pour point, °C	ASTM D97	-27	-24	-21

The above mentioned characteristics represent mean values.

STORAGE

All packages must be stored in covered, well-ventilated areas. If outdoor storage cannot be avoided, barrels must be placed horizontally to prevent water ingress and to protect labels and markings from damage. Products must not be stored at temperatures above 60 °C and must not be exposed to direct sunlight, freezing conditions, or extreme temperature fluctuations.



HEALTH & SAFETY

This product is not considered to pose significant risks to health or safety when used as intended and in accordance with recommended personal hygiene practices. It must not be applied for purposes other than those for which it has been formulated. For detailed guidance on safe handling and use, refer to the Safety Data Sheet (SDS).



USED OILS

Used lubricants must be collected at designated collection points to prevent environmental contamination. They must not be mixed with solvents, brake fluids, or antifreeze.

