TECHNICAL DATA SHEET

Max-Gear® High-performance Extreme Pressure Gear Oil

Product Description

Royal Purple Max-Gear® is formulated with high-quality synthetic base stocks and proprietary Synerlec® technology to deliver maximum protection in heavily loaded driveline components. Its advanced film strength reduces metal-to-metal contact and wear, helping extend gear life and improve drivetrain efficiency. Engineered for unmatched cold-weather flow and high-temperature stability, it provides outstanding thermal durability, oxidation resistance and protection under extreme operating conditions.

Recommended for front and rear differentials, manual transmissions and transfer cases requiring API GL-5*, API GL-4*, or API MT-1* performance. The built-in friction modifier provides limited-slip compatibility, offering superior durability without the need for additional additives. The formulation is non-corrosive to yellow metals. The Max-Gear® formulation enhances NVH performance for smoother, quieter operation, promotes excellent component cleanliness and delivers superior corrosion protection and seal compatibility.

Choose **Royal Purple Max-Gear®** for trusted performance and total peace of mind—delivering industry-leading drivetrain protection, smoother and quieter operation, and reliable performance in extreme temperatures and the most demanding conditions. This product is not for use in wet clutch systems, such as those used in motorcycles and ATV's

FEATURES AND BENEFITS

*Meets performance requirements but not formally licensed

- SUPERIOR WEAR PROTECTION – Extends gear and bearing life
- UNMATCHED THERMAL STABILITY – Formulated to protect at temperature extremes
- SMOOTH AND QUIET OPERATION – Robust friction modifiers deliver low NVH (noise, vibration, harshness)
- DELIVERS OPTIMUM PERFORMANCE* – API GL-5, API GL-4, API MT-1, SAE J2360, Mack GO-J, MIL-PRF-2105E
- REDUCES OPERATING TEMPERATURES – Advanced chemistry keeps your hardware cool under harsh conditions
- HIGH LOAD CARRYING CAPACITY – Industry leading additive technology to withstand severe use
- EXCELLENT CORROSION PROTECTION – Additives deliver superior corrosion protection and are yellow metal safe

PRODUCT DATA

Typical Properties					
Property	Test Method	MAX GEAR 75W-90	MAX GEAR 75W-140	MAX GEAR 80W-90	MAX GEAR 85W-140
KV40, cSt	ASTM D445	89.62	157.5	136	264.6
KV100, cSt	ASTM D445	15.58	25.14	16.01	25.73
Viscosity Index	ASTM D2270	185	194	124	126
Brookfield, cP	ASTM D2983	80,026 @ -40C	110,211 @ -40C	49,795 @ -26C	14,825 @ -12C
Density, g/mL	ASTM D4052	0.8609	0.873	0.8916	0.8917
Pour Point, C	ASTM D97	-42	-51	-21	-33
Flash Point, F	ASTM D92	344	400	364	380
Copper Corrosion	ASTM D130	1A	1A	1A	1A

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