BEYOND SYNTHETIC™

Max-Gear is recommended for use in truck and automotive differentials, outboard motor lower units or in rear axles or manual transmissions requiring an API GL-5 or GL-4 fluid. Max-Gear is suitable for use in Limited Slip / Positrac applications.

Max-Gear is an ultra-tough, high performance, GL-5 automotive gear oil designed to provide maximum protection to heavily loaded gears while maximizing power throughput through the drive train. It outperforms other GL-5 gear oils because it combines the highest quality synthetic oils with Royal Purple's proprietary Synslide additive technology. Max-Gear makes gears run smoother, quieter, cooler and longer without overhauls.

SYNSLIDE® ADDITIVE TECHNOLOGY MAKES THE DIFFERENCE!

Synthetic oils enable Royal Purple to make superior lubricants, but it is Royal Purple's advanced Synslide additive technology that gives Royal Purple's EP lubricants their amazing performance advantages. Synslide additive technology truly is beyond synthetic.

Synslide additive technology, Royal Purple's tough, EP lubricating film, provides maximum protection under boundary lubrication conditions typically caused by heavily loaded, slow speed and/or shock load conditions. This tenacious, slippery film significantly improves lubrication and reduces wear by increasing the oil film thickness and toughness, which helps to prevent metal-to-metal contact in gears and bearings.

Synslide additive technology is noncorrosive to gears and bearings, including case-hardened gears that are easily pitted by conventional sulfur-phosphorus EP oils.

Synslide additive technology displaces water from metal surfaces and excels in protecting equipment in wet environments. It also fortifies the oil against the detrimental effects of heat, which causes oil to oxidize.

PERFORMANCE ADVANTAGES

- **Severe Service Performance**
  Max-Gear exceeds Eaton's stringent GL-5 / MIL-L-2105D Gear Oil Specs. Max-Gear also is safe for GL-4 applications or bronze synchro gears.

- **Lower Coefficient of Friction**
  Max-Gear saves energy, reduces temperatures and maximizes power throughput. (OEM or aftermarket limited slip additives are not required).

- **High Temperature Performance**
  Max-Gear eliminates harmful deposits and extends oil drain intervals.

- **Low Temperature Fluidity**
  Max-Gear meets operating requirements for vehicles operating in cold climates.

- **Shock Load Protection**
  Max-Gear reduces fatigue failures in bearings and gears.

- **Prevents Corrosion**
  Max-Gear protects both ferrous and nonferrous metals during operation and shutdown.

- **Excellent Water Separation**
  Max-Gear completely separates from water, preventing an oil-water emulsion.

- **Compatible with Other Oils**
  Max-Gear is compatible with other mineral gear oils and other synthetic hydrocarbon gear oils.

- **Meets Warranty Requirements**
  Max-Gear meets or exceeds OEM warranty requirements for GL-5 automotive rear axle hypoid gear lubrication.

- **Environmentally Responsible**
  Max-Gear components are TSCA listed and meet EPA, RCRA and OSHA requirements. Max-Gear extends oil drain intervals, eliminates premature oil changes, decreases the amount of oil purchased and disposed of and conserves energy.

MAX-GEAR®
HIGH PERFORMANCE GEAR OIL

TYPICAL PROPERTIES*	ASTM METHOD	SAE GRADE				
		75W90	75W140	80W90	90	85W140
Viscosity	D-445					
cSt @ 40°C		111	192	157	170	284
cSt @ 100°C		16.9	27.9	17.4	17.4	26.8
Viscosity - Low-Temp	D-2983					
cP @ -12°C		---	---	---	---	30,000
cP @ -26°C		---	---	50,000	---	---
cP @ -40°C		100,000	130,000	---	---	---
Viscosity Index	D-2270	166	188	121	111	126
Flash Point, °F	D-92	375	350	385	375	375
Pour Point, °F	D-6892	-54	-65	-38	-33	-33
Copper Corrosion Test	D-130					
3 Hrs @ 100°C		1A	1A	1A	1A	1A
Rust Test	D-665					
Fresh Water		PASS	PASS	PASS	PASS	PASS
Salt Water		PASS	PASS	PASS	PASS	PASS
Foam Test, Seq II	D-892					
Initial/Final/Time(sec)		0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
Four Ball EP Test	D-2783					
Load Wear Index		72	80	62	60	71
Weld Load, kgf		315	400	315	315	400
Density, lbs/g	D-4052	7.45	7.45	7.50	7.47	7.56

*Properties are typical and may vary