

MAX-GEAR®

Max-Gear is recommended for use in truck and automotive front or rear differentials, manual transmissions and lower gear units of marine engines that specify use of an API GL-5 or GL-4 fluid.

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 throughout the drive train. It outperforms other GL-5 gear oils because it combines the highest quality synthetic oils with Royal Purple's proprietary Synerlec additive technology. Max-Gear makes gears run smoother, quieter, cooler and longer without overhauls.

ADVANTAGES

- Greater Wear Protection
- Severe Service Performance
- Lower Coefficient of Friction
- High Temperature Performance
- Low Temperature Fluidity
- Shock Load Protection
- Prevents Corrosion
- Excellent Water Separation
- Compatible with Other Oils
- Meets Warranty Requirements
- Environmentally Responsible



PERFORMANCE

TYPICAL PROPERTIES*		SAE GRADE				
		75W-90	75W-140	80W-90	85W-140	90
Viscosity						
	cSt @ 40°C	119.0	195	150.0	284	191.0
	cSt @ 100°C	17.5	28.8	16.7	26.8	18.5
	SUS @100°F	609	995	780	1490	1002
	SUS @ 210°F	90	140	87	132	95
	CP @ -12°C	—	—	10,110	36,200	—
	CP @ -40°C	124,000	138,000	—	—	—
Flash °F		380	375	395	375	390
Fire °F		425	420	495	435	475
Pour Point °F		-60	-69	-33	-17	-33
Corrosion Test						
	Copper	Pass	Pass	Pass	Pass	Pass
	Bronze	Pass	Pass	Pass	Pass	Pass
Rust Test						
	Fresh Water	Pass	Pass	Pass	Pass	Pass
	Salt Water	Pass	Pass	Pass	Pass	Pass
Foam Test		Pass	Pass	Pass	Pass	Pass
Timken OK Load, Lbs.		Pass	Pass	Pass	Pass	Pass
Four Ball EP Test		100+	100+	100+	100+	100+
	Weld Load, kgf	400	400	400	400	400

*Properties are typical and may vary.

Standard Packaging:
1-Quart Bottles
5-Gallon Pails



GEAR OILS

SYNERLEC® ADDITIVE TECHNOLOGY MAKES THE DIFFERENCE!

Synerlec, Royal Purple's proprietary, additive lubricant technology, is the cornerstone of RP's entire product line. It creates an ionic bond that adheres to metal parts to provide continuous protection even at start-up and strengthens the oil to provide unparalleled performance and protection.

Royal Purple's high film strength prevents contact between metal parts reducing friction and heat thereby transferring more power to the drive wheels while maximizing the lubricant service life. As well, Synerlec amplifies the already-exceptional oxidation resistance of the synthetic base oils.

Royal Purple remains on the metal surface long after ordinary lubricants would have been squeezed out by pressure and heat. It actually improves mating surfaces by responding to increased pressure with increased viscosity until the metal peaks (asperities) undergo deformation and flow into the low spots. Over time, the metal surface becomes extremely smooth and can even develop a mirror-like surface.

PART NUMBERS

75W-90	
320-Gal. Tote	10200
55-Gal. Drum	55300
15-Gal. Keg	16300
5-Gal. Pail	05300
12-Qt. Case	12300
1-1-Qt. Bottle*	01300

75W-140	
55-Gal. Drum	55301
15-Gal. Keg	16301
5-Gal. Pail	05301
12-Qt. Case	12301
1-1-Qt. Bottle*	01301

80W-90	
320-Gal. Tote	10730
55-Gal. Drum	55302
5-Gal. Pail	05302

85W-140	
320-Gal. Tote	39303
55-Gal. Drum	55303
15-Gal. Keg	16303
5-Gal. Pail	05303
12-Qt. Case	12303
1-1-Qt. Bottle*	01303

SAE 90	
55-Gal. Drum	55304
5-Gal. Pail	05304

***AVAILABLE IN CASES ONLY**

All viscosities of Max-Gear are formulated with hypoid friction modifiers necessary for use in clutch or cone type differentials. No additional additives are necessary.