



Product Specification and Technical Data

PRODUCT: BG Ultra-Guard® LS Full Synthetic Gear Lubricant

PART NO.: 751

TEST DATA:	Test	ASTM Test Method	Typical Test Results
	Specific Gravity @ 15.6°C (60°F)	D 1298	0.8643
	API Gravity @ 15.6°C (60°F)	D 287	32.2
	Density,		
	U.S. lbs./gal/ @ 15.6°C (60°F)	D 1250	7.206
	Viscosity, cSt @ 40°C (104°F)	D 445	97.17
	Viscosity, cSt @ 100°C (212°F)	D 445	14.43
	Viscosity Index	D 2270	154
	Viscosity, cP @ -40°C (-40°F)	D 2983	95,333
	Pour Point	D 97	-40°C (-40°F)
	Flash Point, COC	D 92	196°C (385°F)
	Color	D 1500	2.0
	Color	Visual	Fluorescent Yellow

PROBLEM: API GL-5 Hypoid ring and pinion gear sets, operating under high load with positive traction clutch packs or “on demand” limited slip function, are used in many modern front and rear axle drivelines. For proper function many of these units require the final lubricant to contain both a GL-5 lubricant and a fully active limited slip additive. Together these two finished lubricants provide the designed drive performance and protection needed by the gears. Standard practice has been to add these two lubricants together individually, usually from separate sources. This can leave open the possibility of improper treat ratios, possibly creating inferior driveline performance and protection. Stocking these separate lubricant containers also created excessive inventory.

SOLUTION: BG Ultra-Guard® LS Full Synthetic Gear Lubricant provides the ultimate in simplicity and ease when servicing for drive line components, especially those requiring limited slip function. BG Ultra-Guard® LS Full Synthetic Gear Lubricant contains all the necessary ingredients required for API GL-5 rated gear applications, and also those requiring the addition of limited slip chemistry for positive traction, or “on demand” driveline systems. As a full synthetic SAE 75W-90 API GL-5 gear lubricant, it is designed for severe service operation in both extreme heat and arctic cold conditions. BG Ultra-Guard® LS Full Synthetic Gear Lubricant is formulated for unsurpassed durability by providing improved seal conditioning, quieter operation and dependable protection. It is a universal product for all SAE 75W-90 API GL-5 lubricant applications.

USAGE: Follow original equipment manufacturer’s service recommendations. Keep gearbox full. Excellent for on-road, off-road and marine lubricant service applications.

BENEFITS: BG Ultra-Guard® LS Full Synthetic Gear Lubricant provides unsurpassed protection and performance, providing these outstanding benefits:

- Excellent thermal stability
- Smoother and quieter gear operation
- Lower operating temperatures
- Protection against wear, pitting and corrosion
- Improved seal performance
- Reduced maintenance
- Clean components and extended component life
- Application versatility
- UV tracer dye to aid in leak detection