



Product Specification and Technical Data

PRODUCT: BG LSII
Limited Slip Axle Additive Concentrate

PART NO.: 328

TEST DATA: Test	ASTM Test Method	Typical Test Results
API Gravity @ 15.6°C (60°F)	D 287	27.5
Specific Gravity @ 15.6°C (60°F).	D 1298	0.89
Density, U.S. lbs./gal. @ 15.6°C (60°F).	D 1250	7.420
Flash Point, COC	D 92	159°C (318°F)
Viscosity, cSt @ 100°C (212°F)	D 445.	13.58
Viscosity, cSt @ 40°C (104°F).	D 445.	96.99
Viscosity Index	D 2270141
Pour Point	D 97	-40°C (-40°F)
Color	Visual.	Amber

PROBLEM: Limited slip differentials are designed to transmit the major driving force (power) to the wheel that has the most traction. Thus, useless spinning of a wheel in mud, snow or ice is minimized. However, when driving vehicles equipped with limited slip differentials, a loud chatter frequently occurs when the vehicle is turned. This problem is caused by stick-slipping between the plates because of too much friction.

Full-time four wheel drive transfer cases will also often chatter loudly when turning because of too much friction. In many models, the chain will stretch, and chatter occurs because of the friction between the plates.

SOLUTION: BG LSII is designed specifically to prevent stick-slipping chatter in plate and clutch type limited slip differentials. BG LSII may be used with any GL-5 gear lubricant in limited slip applications. It is also excellent for eliminating chatter in full-time four wheel drive transfer cases. The ingredients in BG LSII also smooth and quiet operation of gears in the differential and fortify the additives in the gear lubricant.

- BENEFITS:**
- Reduces limited slip differential chatter
 - Reduces gear box temperature
 - Fortifies gear lubricant and extends oil service life
 - Smooths and quiets gear operation in the differential
 - Reduces component wear
 - Cuts maintenance costs
 - Improves demulsability

USAGE: To raise a GL-5 level gear oil to limited slip level performance, use 6 fl. oz. (177 mL) in differentials up to 3.6 pint (1.7 Liter) capacity. For larger capacities, treat at 10%. Drive the vehicle, making sharp turns in both left and right directions. Chatter should be eliminated after only a few turns.

BG Products, Inc. accepts no liability for excessive use or misuse of this product.