



# Product Specification and Technical Data

**PRODUCT: BG DPL**  
Diesel Pump Lubricant Concentrate

**PART NO.: 224-CONC**

TEST DATA:	Test	ASTM Test Method	Typical Test Results
	API Gravity @ 15.6°C (60°F)	D 287	18.1
	Specific Gravity @ 15.6°C (60°F)	D 1298	0.9461
	Density,		
	U.S. lbs./gal. (kg/L) @ 15.6°C (60°F)	D 1250	7.888
	Flash Point, PMCC	D 93	>40°C (104°F)
	Pour Point	D 97	<-50°C (<-58°F)
	Color	D 1500	L3.0
	Color	Visual	Amber
	Sulfur	D 7039	<15 ppm

**PROBLEM:** The E.P.A. has mandated new low-sulfur diesel fuel for on-highway use. The refinery process to reduce the sulfur content in the fuel also reduces some of the wax that provides vital lubricity to certain types of fuel injection pumps. Fuel injection pumps of the rotary or distributor design are very susceptible to scuffing and scoring when operating on the new, low-sulfur, low-aromatic fuel. The surface finish is very fine on the rotor and the internal bore of the head, which are the main elements in a rotary diesel fuel injection pump. Clearance between these two parts is about two microns (0.00008 inch). The rotor rotates in the bore at high speed, and the only lubricant available to this area is through the diesel fuel which it is pumping. Without the normal lubricity from #2 diesel fuel, these close-running surfaces will quickly scuff and score, rendering the pumping element useless.

**SOLUTION:** BG DPL provides the necessary film strength and lubricity to low-sulfur diesel fuel to prevent the pump parts from scoring and seizing. This diesel fuel additive complies with the Federal low-sulfur content requirements for use in diesel motor vehicles. Catalytic converter, diesel particulate filter and oxygen sensor safe.

**USAGE:** 1 quart (1 Liter) to 2,500 gallons (9,500 Liters) of diesel fuel.  
1 gallon (4 Liters) to 10,000 gallons (38,000 Liters) of diesel fuel.

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