



Product Specification and Technical Data

PRODUCT: BG DPL
Diesel Pump Lubricant with D'ICER

PART NO.: 224

TEST DATA: Test	ASTM Test Method	Typical Test Results
API Gravity @ 15.6°C (60°F)	D 287	42.9
Specific Gravity @ 15.6°C (60°F)	D 1298	0.8116
Density, U.S. lbs./gal. (kg/L) @ 15.6°C (60°F)	D 1250	6.766
Flash Point, PMCC	D 93	32°C (90°F)
Pour Point	D 97	-60°C (-75°F)
Color	D 1500	L1.0
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 DIESEL PUMP LUBRICANT with D'ICER is a combination lubricity/anti-corrosion additive for modern low-sulfur/low-aromatic diesel fuels. Because of required refining processes, most of today's diesel fuel has lost the required "oiliness" essential to satisfactory operation of fuel injection pumps of the rotary or distributor design. BG DPL with D'ICER provides the needed lubricity or oiliness to prevent the close-running surfaces of the fuel injection pump from scuffing, scoring and eventual failure. It contains deicing additives which lowers the pour point of the fuel, lowers cold filter plugging point, prevents wet fuel from icing, and improves starting. 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 250 gallons (950 Liters) of diesel fuel.
1 gallon (4 Liters) to 1,000 gallons (4,000 Liters) of diesel fuel.

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