



Product Specification and Technical Data

PRODUCT: **BG Winter Blend DFC**
Winter Blend Diesel Fuel Conditioner

PART NO.: 238

TEST DATA:	Test	ASTM Test Method	Typical Test Results
	API Gravity @ 15.6°C (60°F)	D 287	22.7
	Specific Gravity @ 15.6°C (60°F)	D 1298	0.9173
	Density,		
	U.S. lbs./gal. @ 15.6°C (60°F)	D 1250	7.648
	Flash Point, PMCC	D 93	39°C (102°F)
	Solubility in Water	Visual	Insoluble
	Base Fuel Cold Filter Plugging Point	IP 309	-18°C (0°F)
	After Treating Base Fuel with BG 238, CFPP	IP 309	-32°C (-26°F)
	Pour Point	D 97	-9°C (15°F)
	Color	D 1500	.2
	Sulfur	D 7039	<15 ppm

PROBLEM: Today's diesel fuels vary widely in quality. This creates multiple problems for maintaining diesel engine performance. Many diesel fuels degrade fairly rapidly and can oxidize when stored for only a short time. This causes gums and varnish to form in the fuel system. These contaminants can foul injectors, increase pintle sticking, promote fuel filter plugging, and degrade fuel combustion. Overall poor fuel performance can result in excessive exhaust smoke and loss of power. Cold weather creates special problems for diesel engines. Entrained moisture in the fuel is a primary cause for internal corrosion. During cold weather, "wet" fuel can form crystalline ice, plugging filters and pump strainers. At these cold-depressed temperatures, the fuel reaches its wax-induced cloud point, where paraffin crystals begin to form. Together both wax and ice crystals can prevent engine start and continued operation in cold temperature conditions by ultimately restricting fuel flow.

SOLUTION: BG Winter Blend DFC is a highly effective, multi-functional diesel fuel fortifier. It will remove deposits from the fuel system and prevent their reforming. It has premium detergents that rate as "Superior" or "Pass" in Cummins L-10 Engine tests. It provides the necessary film strength and lubricity when used in low-sulfur diesel fuel to prevent fuel injection pump parts from scoring. It contains wax crystal modifiers and pour point depressants to prevent fuel gelling and can help ensure that entrained moisture does not cause a problem in the fuel. 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.

- BENEFITS:**
- Cleans the entire fuel system
 - Contains fuel deicer
 - Adds lubricity to protect pumps
 - Extends injector life
 - Helps reduce the potential problems of "wet" fuel
 - Eliminates injector plunger sticking and injector nozzle fouling
 - Contains no alcohol or metallic ash producing materials
 - Lowers the cold filter plugging point by an average of 24°F (13°C)

- Stabilizes fuel in storage
- Is soluble in all diesel fuels
- Controls engine deposit formation
- Improves power, decreases emissions and exhaust smoke
- Protects fuel system components from rust and corrosion

USAGE: 1 quart (946 mL) of BG Winter Blend DFC to 250 gallons (950 Liters) or 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.