



Product Specification and Technical Data

PRODUCT: BG DOC
Diesel Oil Conditioner

PART NO.: 112

TEST DATA: Test	ASTM Test Method	Typical Test Results
API Gravity @ 15.6°C (60°F)	D 287	25.8
Specific Gravity @ 15.6°C (60°F)	D 1298	0.8996
Density, U.S. lbs./gal. (kg/L) @ 15.6°C (60°F)	D 1250	7.500
Flash Point, COC	D 92	210°C (410°F)
Viscosity, cSt @ 100°C (212°F)	D 445	16.12
Viscosity, cSt @ 40°C (104°F)	D 445	156.4
Viscosity Index	D 2270	107
Pour Point	D 97	-26°C (-15°F)
Color	D 1500	7.5
Color	Visual	Brown

PROBLEM: High operating pressures and temperatures increase the demands made on diesel engines (especially those which are supercharged or turbocharged) and upon diesel engine oils and the additives contained in these oils. New hydraulically activated fuel injectors expose the oil to pressures in excess of 20,000 psi (1,379.3 bar). “After burn” emissions devices like EGR increase the soot accumulation in the oil. These systems place a heavy burden on the oil and push its performance to the limits.

With the heat of combustion, sulfur from the fuel combines with moisture to form a virulent sulfuric acid which can enter the crankcase and cause corrosive wear and damage to engine components. A very high quality engine oil with excellent additive formulation is a requirement in withstanding the extreme conditions of modern diesel engine operation.

SOLUTION: BG DOC is formulated with special diesel engine additives that maintain oil effectiveness during the extremes of diesel engine operation. Added to engine oil, BG DOC significantly helps maintain like-new engine power and performance. It prolongs acid neutralization, prevents acid corrosion, reduces friction and wear, stabilizes viscosity and prevents sludge formation through increased oxidation and soot control.

BG DOC is compatible with all petroleum-base and synthetic diesel engine oils including multi-grade.

USAGE: Add one 11 oz. (325 mL) can of BG Diesel Oil Conditioner treats up to 6 quarts (6 Liters) of diesel oil. Add one quart (946 mL) of BG DOC to 10–16 quarts (9–15 Liters) of diesel engine oil. Do not overfill crankcase.

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