



Product Specification and Technical Data

PRODUCT: BG EPR® Engine Performance Restoration®

PART NO.: 109

TEST DATA:	Test	ASTM Test Method	Typical Test Results
	API Gravity @ 15.6°C (60°F)	D287	29.8
	Specific Gravity @ 15.6°C (60°F)	D1298	0.8773
	Density, U.S. lbs./gal. (kg/L) @ 15.6°C (60°F)	D1250	7.314
	Flash Point, PMCC	D93	43°C (110°F)
	Pour Point	D97	-21°C (-5°F)
	Color	D1500	L0.5
	Color	Visual	Light Amber

PROBLEM: High operating temperatures, reduced engine cooling and prolonged drain intervals contribute to oil thickening, heat retention and deposit formation. These heavy deposits can impede normal piston ring function; thus reducing fuel economy, lowering power output, and increasing harmful exhaust emissions and oil consumption.

Gasoline Direct Injection engines are specifically prone to early deposit buildup on the piston surface, intake ports, injector tips and valves. As early as 20,000 miles (32,000 km), deposits in GDI engines can cause dramatic efficiency losses and low-mileage misfire codes.

High operating pressures and temperatures increase the demands made on diesel engines. Compression loss due to deposit formation of the ring land area results in excessive blowby, decreased power output and fuel economy.

SOLUTION: BG EPR® Engine Performance Restoration® softens and dissolves hard-to-remove deposits from piston rings in as little as 10 minutes! Properly sealed combustion chambers improve compression and reduce oil dilution through blowby. BG EPR® cleans micro passageways to maintain the critical hydraulic function of components such as valve train actuators and turbochargers.

- Removes carbon deposits
- Restores compression
- Lowers tailpipe emissions
- Reduces oil consumption by restoring ring function

- BENEFITS:**
- Improves overall power and engine efficiency
 - Harmless to seals and other engine components
 - Excellent for maintenance of diesel and Gasoline Direct Injection engines

USAGE: **For up to 2 Quart/Liter capacity crankcase:** Add one 2 oz. (60 mL) bottle BG EPR® to crankcase. Start engine, bring to full operating temperature and run engine for 10 minutes at 1,200 RPM (for GDI engines and small light duty passenger diesel engines, run for a minimum of 20 minutes.) Shut off engine, drain oil and remove old oil filter. Install new filter, replace drain plug, and fill with new oil. Do not use on badly sludged engines!

For 2–3 Quart/Liter capacity crankcase: Add one 3 oz. (100 mL) bottle BG EPR® to crankcase. Start engine, bring to full operating temperature and run engine for 10 minutes at 1,200 RPM (for GDI engines and small light duty passenger diesel engines, run for a minimum of 20 minutes.) Shut off engine, drain oil and remove old oil filter. Install new filter, replace drain plug, and fill with new oil. Do not use on badly sludged engines!

For 3–4 Quart/Liter capacity crankcase: Add one 6 oz. (177 mL) bottle BG EPR® to crankcase. Start engine, bring to full operating temperature and run engine for 10 minutes at 1,200 RPM (for GDI engines and small light duty passenger diesel engines, run for a minimum of 20 minutes.) Shut off engine, drain oil and remove old oil filter. Install new filter, replace drain plug, and fill with new oil. Do not use on badly sludged engines!

For 4–6 Quart/Liter capacity crankcase: Add one 11 oz. (325 mL) can BG EPR® to crankcase. Start engine, bring to full operating temperature and run engine for 10 minutes at 1,200 RPM (for GDI engines and small light duty passenger diesel engines, run for a minimum of 20 minutes.) Shut off engine, drain oil and remove old oil filter. Install new filter, replace drain plug, and fill with new oil. Do not use on badly sludged engines!

For 7–9 Quart/Liter capacity crankcase: Add two 11 oz. (325 mL) cans BG EPR® to crankcase. Start engine, bring to full operating temperature and run engine for 20 minutes at 1,200 RPM. Shut off engine, drain oil and remove old oil filter. Install new filter, replace drain plug, and fill with new oil. Do not use on badly sludged engines!

For 10–16 Quart (9–15 Liter) capacity crankcase: Add one 32 oz. (946 mL) bottle BG EPR® to crankcase. Start engine, bring to full operating temperature and run engine for a minimum of 45 minutes at 1,200 RPM. Shut off engine, drain oil and remove old oil filter. Install new filter, replace drain plug, and fill with new oil. Do not use on badly sludged engines!

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