



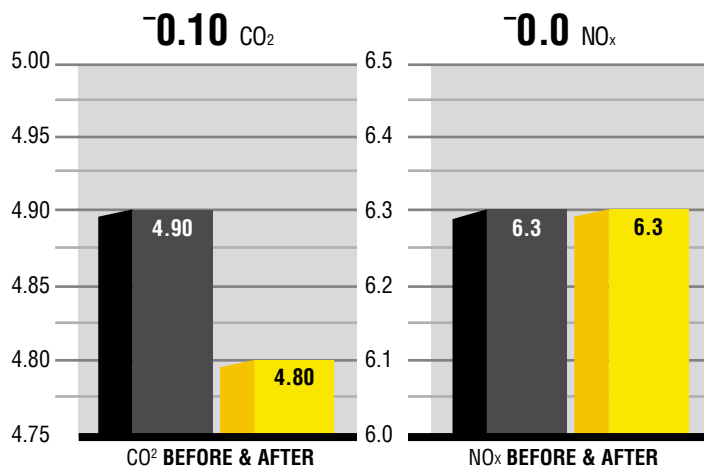
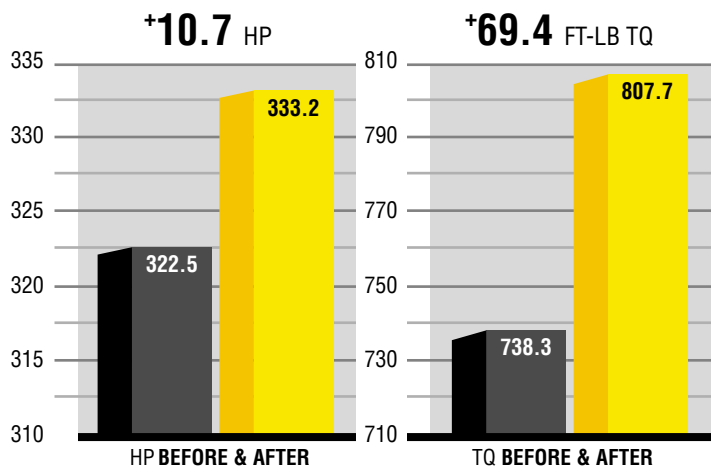
# CASE STUDY: BG DIESEL ENGINE PERFORMANCE RESTORATION FOR MEDIUM DUTY

## PRODUCTS

BG Diesel Fuel System Performance Restoration, PN PD15  
BG EPR® Engine Performance Restoration®, PN 109  
BG DOC® Diesel Oil Conditioner, PN 112

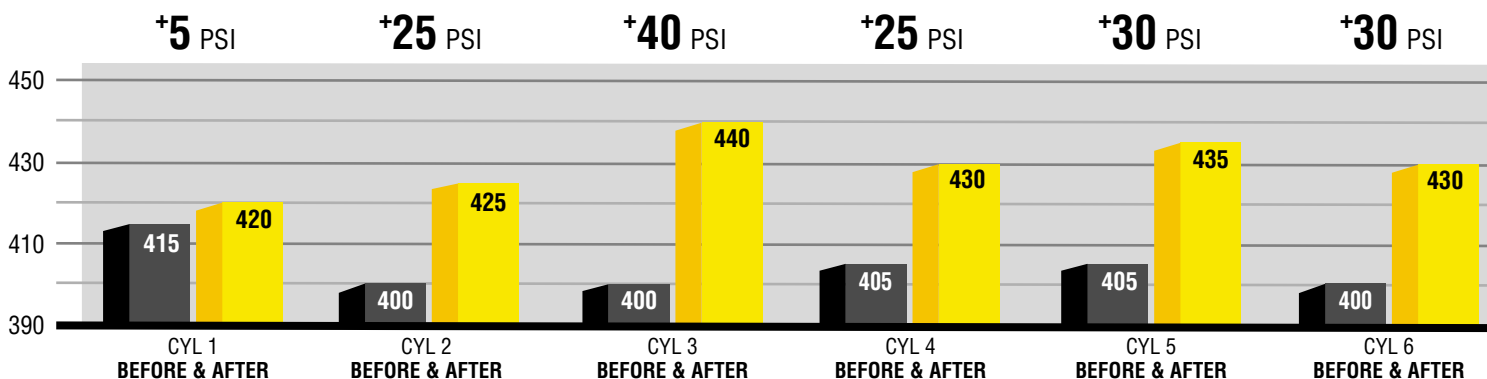


**VEHICLE**  
2018 Ram 2500, 6.7L Cummins  
73,136 miles (117,701 km)



**DYNO RESULTS: HORSEPOWER & TORQUE**

**TAILPIPE EMISSIONS RESULTS: CO<sub>2</sub> & NO<sub>x</sub>**



**COMPRESSION RESULTS:** Compression was restored across all cylinders after the BG service was performed.



## SERVICE RECOMMENDATION

[Conducted by BG Proving Ground. 05/09/2022]

**BG Diesel Fuel System Performance Restoration, with BG EPR<sup>®</sup> Engine Performance Restoration,<sup>®</sup> and BG DOC<sup>®</sup> Diesel Oil Conditioner,** combine for a complete engine and fuel system cleaning, including the removal of internal diesel injector deposits. When used as part of an oil change, this service will stabilize viscosity to reduce oil thickening, keep injectors and combustion chambers clean, and reduce carbon packing of piston rings, thus restoring horsepower, torque, and fuel efficiency.

### **BG Diesel Fuel System Performance Restoration Service**

1. Add BG Diesel Fuel System Performance Restoration, PN PD15, to the fuel tank.  
**Treat ratio:** one quart (946 mL) treats 20–50 gallons (75–190 Liters) of diesel fuel.
2. Add BG EPR<sup>®</sup> Engine Performance Restoration,<sup>®</sup> PN 109, to the crankcase.  
**Treat ratio:** one quart (946 mL) treats 10–16 quarts (9–15 Liters) of engine oil.
3. With the vehicle safely in park and exhaust ventilation applied to the vehicle's exhaust system, start the vehicle. Apply BG throttle depressor to elevate idle to 1,200 RPM for a minimum of 45 minutes.
4. Turn off the vehicle and perform an oil change while the engine and oil are still warm, replacing all engine oil filters. Add BG DOC<sup>®</sup> Diesel Oil Conditioner, PN 112, to the crankcase.  
**Treat ratio:** one quart (946 mL) treats 10–16 quarts (9–15 Liters) of diesel engine oil. Do not overfill the crankcase.  
FOR PROFESSIONAL USE.
5. Fill the fuel tank(s) completely full with fuel. BG Diesel Fuel System Performance Restoration will continue performing the fuel system service throughout the entire tank of treated fuel.