



# CASE STUDY: BG DIESEL FUEL SYSTEM PERFORMANCE RESTORATION FOR LIGHT DUTY

**PRODUCT** BG Diesel Fuel System Performance Restoration, PN PD15



**VEHICLE:**  
2012 Volkswagen Touareg, 3.0L TDI  
54,404 miles (87,554 km)



## RESULTS FROM PD15

[Conducted by BG Proving Ground. 04/30/2020]

### Injector A



### Injector B



### Injector Hole A



### Injector Hole B



### Piston Top A



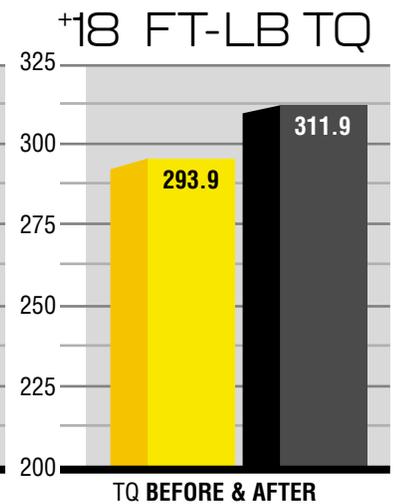
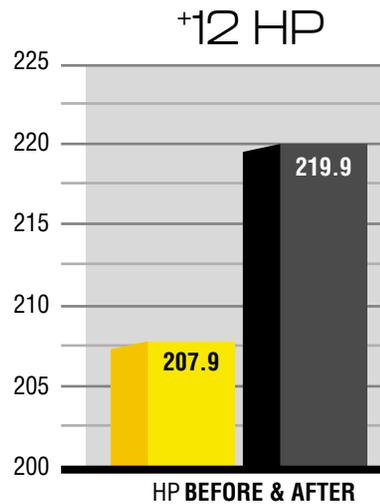
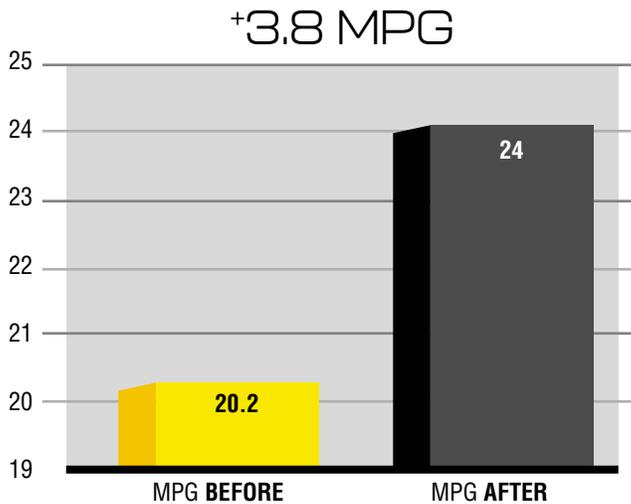
### Combustion Chamber A





RESULTS FROM PD15

[Conducted by BG Proving Ground. 04/30/2020]



DRIVING RESULTS: **MPG**

DYNO RESULTS: **HORSEPOWER & TORQUE**

*MPG calculation was taken from the vehicle's driver information center.*

SERVICE RECOMMENDATION

We recommend pairing **BG Diesel Fuel System Performance Restoration, PN PD15**, with **BG EPR® Engine Performance Restoration®, PN 109**, 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 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**

- Add BG Diesel Fuel System Performance Restoration, PN PD15, to the fuel tank. **Treat ratio:** 11 oz. (325 mL) treats up to 20 gallons (75 Liters) of diesel fuel.
- Add BG EPR® Engine Performance Restoration®, PN 109, to the crankcase. **Treat ratio:** 11 oz. (325 mL) treats 4–6 quarts/Liters of engine oil.
- With vehicle safely in park and exhaust ventilation applied to vehicle's exhaust system, start the vehicle. Apply BG throttle depressor to elevate idle to 1,200 RPM for a minimum of 20 minutes.
- Turn off vehicle and perform an oil change while the engine and oil are still warm, replacing all engine oil filters. Fill the fuel tank(s) completely full with fuel. BG Diesel Fuel System Performance Restoration will be performing the fuel system service throughout the entire tank of treated fuel.