

CASE STUDY: BG ENGINE PERFORMANCE SERVICE

SERVICE

BG Engine Performance Service

PRODUCTS

BG EPR® Engine Performance Restoration®, PN 109

BG Advanced Formula MOA®, PN 115

BG Platinum® 44K®, PN 208



VEHICLE: 2018 Honda Accord,1.5L Turbo 44,392 miles (71,442 km)



PROBLEM

In GDI engines, high heat and extended oil change intervals create an environment that rapidly breaks down engine oil. This creates oil acids, varnish, sludge, and carbon buildup, which has a substantial effect on internal engine components. Affected areas include oil passages, piston rings, combustion chambers, and injectors. The result is oil consumption, compression loss, and drivability issues such as misfires, power loss, and reduced fuel economy.

SOLUTION

The BG Engine Performance Service is an oil change with specially formulated chemistry to clean and remove deposits from the engine and the fuel system.



BG EPR® is added prior to oil change, dissolves deposits, and is removed with the used oil.

- Dissolves fuel gums
- Restores compression
- Restores power



BG MOA® is added to new oil to protect the engine...extending the life of the engine.

- Fortifies oil
- Protects engine
- Smooths engine operation



BG 44K° is added to fuel tank and continues to clean the fuel system as the vehicle is driven.

- Restores flow in fuel injectors
- Improves drivability
- Restores fuel economy

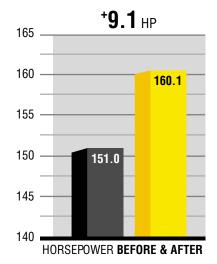
© copyright 2021 BG Products, Inc. • Wichita, Kansas 67213 • The information contained herein based on BG Products, Inc., best professional judgment. The information is intended for the use of the individual or entity named on the report. Any dissemination to third parties is unauthorized. If you have received this information in error, please notify us immediately by telephone (1-888-570-0842) and we will arrange for the return of the original paperwork to our office. Disclosure, copying, distribution or use of the contents strictly prohibited.

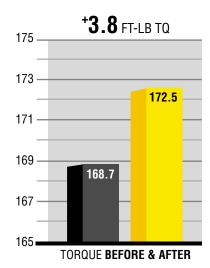


PERFORMANCE TESTING RESULTS

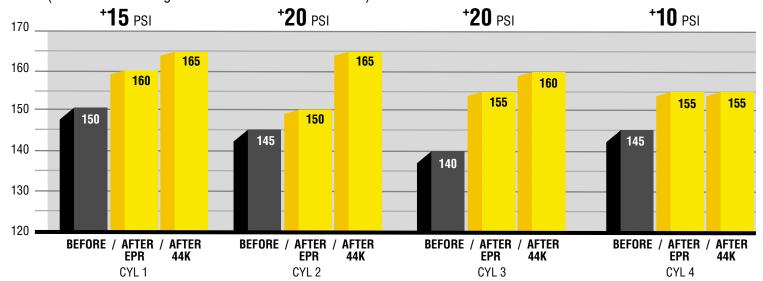
DYNO RESULTS: We were able to restore the vehicle to 160.1 horsepower and 172.5 ft-lbs of torque.







COMPRESSION RESULTS: Compression was restored across all cylinders after the BG service was performed. Results show improvement in the dyno readings for "After EPR" (taken immediately after the service), and "After 44K" (taken after running a full tank of fuel with BG 44K®).



SUMMARY

- Modern engine technology offers impressive performance and fuel economy; however, these engines are
 highly complex and require additional service and preventive maintenance to maximize these benefits and
 prolong the life of the engine.
- A BG Engine Performance Service will keep your vehicle's engine and fuel system clean, treated, and
 protected which will reduce costly repairs, restore performance, and improve drivability.

[Conducted by BG Proving Ground. 04/01/2021]