



# CASE STUDY: BG PLATINUM® 44K® FUEL SYSTEM SERVICE

**SERVICE** BG Platinum® 44K® Fuel System Service

**PRODUCTS** BG Platinum® 44K®, PN 208



**VEHICLE**  
2023 Ford Explorer, 2.3L Turbo  
30,155 miles (48,530 km)



## PROBLEM

Modern engines that incorporate gasoline direct injection or port fuel injection suffer from carbon deposit formation that stems from typical driving conditions. These deposits build up inside fuel injectors and the combustion chamber and on the tops of pistons. This buildup ultimately leads to reduced fuel atomization, incomplete combustion, and even preignition, resulting in reduced engine performance and fuel economy.

## SOLUTION

BG Platinum® 44K® Fuel System Cleaner introduced at each oil service helps prevent performance issues by thoroughly cleaning key components of the fuel system. The result is:

- Optimized combustion efficiency
- Improved fuel injector atomization
- Restored fuel economy
- Restored power output

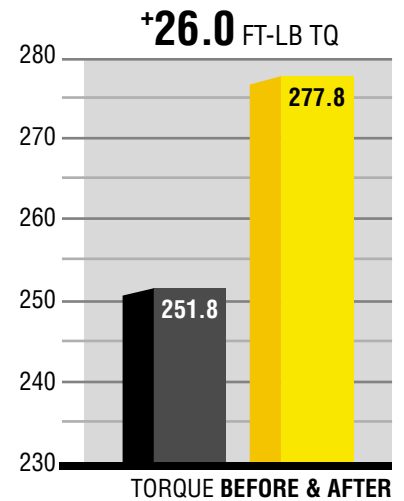
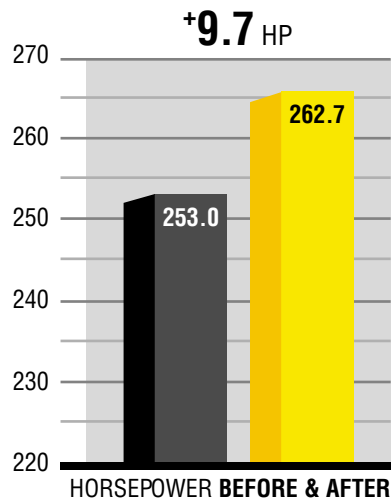
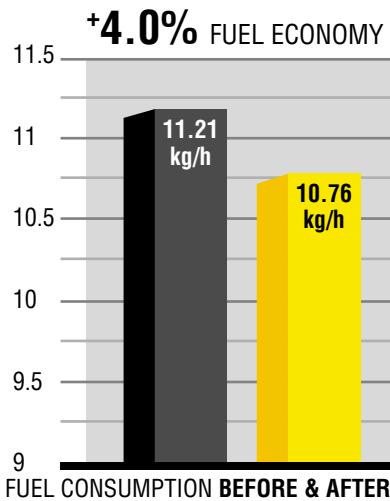
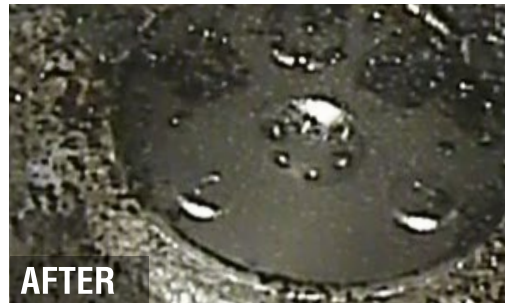
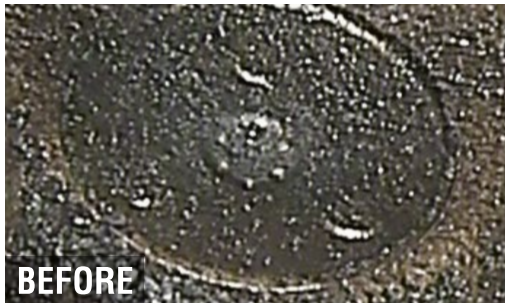




## PERFORMANCE TESTING RESULTS

NOTE: The following images and data are after running a full tank of fuel treated with BG Platinum® 44K®.

INJECTOR



## SUMMARY

- Today's vehicles are designed to maximize power output while delivering impressive fuel economy returns. Varying fuel quality and driving conditions can contribute to carbon deposit formation, robbing the engine of these benefits.
- BG Platinum® 44K® added to the fuel tank at every oil change interval is required to stay ahead of deposits that accumulate in modern engine designs.

[Conducted by BG Proving Ground. 11/17/2025]