

PRODUCT SPECIFICATION SHEET



WYNN'S® DIESEL INJECTOR PURGE



Formulated to:

- Clean diesel fuel systems including injectors and combustion chambers.
- Restore proper injector spray pattern.
- Increase fuel economy.
- Restore overall engine performance.
- Reduce particulate emissions.
- Be used with Wynn's® Diesel Clean Machine.

This product may be used without dilution in any diesel fuel system cleaning equipment.

Diesel Injector Purge

Part #15401 12 x 16 oz. bottles per case

Physical Properties

Density (g/ml)	0.875
Density (lbs/gal)	7.30
Flash Point	125 °F
Appearance/Color	Clear Light Amber



PROFESSIONAL PRODUCTS

WYNN'S 1050 West Fifth Street • Azusa, CA 91702
A Division of Illinois Tool Works Inc.

626-334-0231

www.wynnsusa.com



Wynn's® Diesel Injector Purge

THE PROBLEM

Diesel engines are similar in many ways to gasoline engines. They are both internal combustion engines operating in either 2-stroke or 4-stroke cycles, but they differ in several important ways. Diesel engines use the heat of compression to ignite the air/fuel mixture, rather than using spark ignition as in gasoline engines. As such, diesel engines rely on very high compression ratios in comparison to gasoline engines, in order to generate the roughly 750°F (400°C) temperatures necessary to ignite the fuel upon contact with the compressed and superheated air in the combustion chamber. A diesel engine controls power output by varying the amount of fuel injected into the cylinder, thereby varying the air:fuel ratio, rather than by varying or throttling the amount of the air/fuel mixture drawn into the cylinder as in a gasoline engine. Engine differences, in combination with differences in the fuel, result in diesel engines being much more efficient than gasoline engines, translating to as much as a 40% fuel economy advantage for diesel engines over gasoline engines of the same size. These fuel economy advantages in combination with improvements in combustion processes that have resulted in decreased emissions have greatly increased the popularity of diesel engines in the automotive, light truck and SUV markets. Because of their power output, fuel economy and durability, diesels have always been the engines of choice for the heavy-duty trucking market.

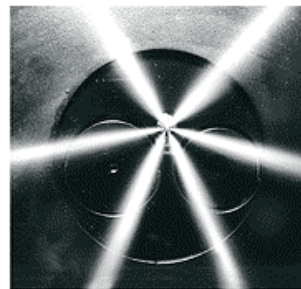
Residues from modern diesel fuels form deposits in the injectors and in the combustion chambers of diesel engines. Injectors in diesel engines are especially prone to hard deposits because their location exposes them to the high temperatures of combustion. Diesel combustion chamber deposits are similarly hard and difficult to remove. These deposits on the tips of diesel injectors can cause injector sticking or interruption of the normal fuel spray pattern. Such injector and combustion chamber deposits can result in poor performance, decreased fuel economy and increased emissions, specifically particulate emissions. Many products on the market may be "universal" and meant for both gasoline and diesel engines and may not provide sufficient deposit removal to correct performance, fuel economy and emissions concerns.

THE SOLUTION

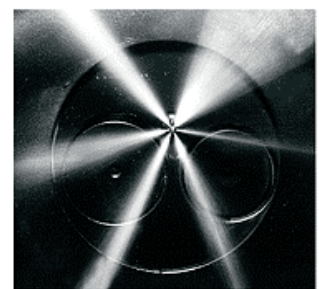
Wynn's® Diesel Injector Purge is a highly concentrated and highly effective product specifically formulated to clean diesel fuel systems, especially the hard to remove injector and combustion chamber deposits. This product is designed to be used with service equipment to completely clean diesel fuel systems, restoring proper injector spray patterns and combustion efficiency to result in increased power, improved fuel economy and reduced emissions.

Wynn's Diesel Injector Purge is formulated for use with Wynn's Diesel Clean Machine, #03500, as directed in the equipment operation manual. This product may also be used with any diesel fuel system cleaning equipment, provided that the manufacturer's recommendations and operations procedures are followed. This product does not have to be diluted and may be circulated back to the fuel tank and will not harm any fuel system components, including fuel system sensors, filters, catalytic converters, particulate traps and plastic materials such as those sometimes found in injection pumps.

Wynn's Diesel Injector Purge is formulated as the solution for removal of diesel fuel system deposits to restore performance, maximize fuel economy and minimize emissions.



Clean Injector with Regular Spray Pattern



Clogged Injector w/Irregular Spray Pattern



WYNN'S

Azusa, California 91702

© 2005 Illinois Tool Works Inc.

www.wynnsusa.com

03/04

Item No. 9M4288