

PRODUCT SPECIFICATION SHEET



WYNN'S® SPIT FIRE® Premium Diesel Fuel Treatment



SPIT FIRE® PREMIUM DIESEL FUEL TREATMENT

Part #21301.....(24 Bottles Per Case)

Physical Properties:

Specific Gravity 0.900 g/cm³
Density..... 7.49 lbs/gal
Treat Ratio.....350:1

FORMULATED TO:

- INCREASE cetane 2-6 numbers, resulting in reduced engine knock, improved low temperature starting, smoother idling, shortened warm-up time, and reduced emissions.
- REMOVE fuel system, injector intake and combustion chamber deposits.
- PROVIDE exceptional fuel lubricity for reducing fuel pump and injector wear.
- IMPROVE cold temperature flow and reduce cold temperature filter plugging.
- IMPROVE fuel economy.
- PROVIDE excellent corrosion protection.
- ENHANCE fuel stability in storage.

One Bottle Treats Up to 30 Gallons of Fuel.



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

626-334-0231

www.wynnsusa.com



SPIT FIRE® PREMIUM DIESEL FUEL TREATMENT

THE PROBLEM

Today's diesel engines are subjected to lower emission diesel fuels that can cause excessive deposit formation in critical areas, excessive wear as a result of lower sulfur content, poor low temperature performance because of decreased cetane levels and increased wax content.

Fuel injector and fuel system deposits can lead to symptoms including decreased performance and fuel economy, and increased emissions.

Low sulfur diesel fuels that have been mandated in recent years decrease fuel lubricity, which can cause premature injector and injector pump wear.

Natural cetane quality has decreased in today's diesel fuel due to the limited choice of crude oils available and marketing requirements for increased yields of kerosene and other distillate fuels. Consequently, engine performance under various operating conditions has suffered.

The incorporation of heavy waxes from current refinery streams, the removal of lighter components such as kerosene for use in higher value products, the use of the hydro-desulfurization process to lower sulfur content, and the increasing amounts of cracked distillates in diesel fuels all contribute to a higher wax content and decreased thermal stability of diesel fuel. This wax can prevent the flow of diesel fuel and plug the fuel filter at cold operating temperatures.

The decreased thermal stability of the diesel fuel translates to fuel oxidation and the formation of fuel system deposits which negatively effects performance and can cause filter plugging.

THE SOLUTION

One product, Wynn's® Spit Fire® Premium Diesel Fuel Treatment, solves all the problems. Wynn's Spit Fire Premium Diesel Fuel Treatment contains a highly effective detergent/dispersant additive package to remove fuel injector deposits. This is proven by excellent test results obtained in the Cummins L10 and the Peugeot XCUD-9 Nozzle Coking test. The end user of the treated fuel will appreciate the difference in terms of improved drivability, reduced combustion noise, improved fuel economy, reduced emissions and reduced operating costs.

Wynn's Spit Fire Premium Diesel Fuel Treatment contains lubricants to provide increased fuel lubricity to protect the fuel pump and injectors from premature wear and potential failure.

One of the most critical properties of today's diesel fuel is cetane number, which is a measure of the ignition performance of the fuel and affects both performance and emissions. Wynn's Spit Fire Premium Diesel Fuel Treatment is designed to increase the cetane number of today's diesel fuel. At the recommended treat rate, it will boost the cetane number by 2 to 6 numbers. The benefits of this cetane number increase include less white smoke during start-up, easier cold weather starting, smoother and quieter operation, and reduced (depending in the initial fuel quality) misfiring during engine warm-up.

Wynn's Spit Fire Premium Diesel Fuel Treatment also contains an ashless cold flow improver, which will modify diesel fuel wax crystal formation at low temperatures to decrease the pour point and improve the cold flow and cold temperature filter plugging properties.

Wynn's Spit Fire Premium Diesel Fuel Treatment is the answer for diesel fuel problems. It is formulated to provide increased fuel lubricity, exceptional fuel system cleanliness, increased cetane and improved low temperature performance. Aside from these specific performance characteristics, this product is also formulated to provide increased performance and fuel economy, decreased emissions, improve fuel stability, and provide excellent corrosion protection.



CERTIFICATE #A3958

WYNN'S

Azusa, California 91702

© 2005 Illinois Tool Works Inc.

www.wynnsusa.com

07/04

Item No.9M1156