

Magellan's Diesel Additive

Magellan's generic diesel additive package is multifunctional for fuel enhancement and offers benefits to the customer. The use of this additive provides improved performance and additional engine protection keeping your engine cleaner and running longer with enhanced performance.

Magellan's diesel additive provides several benefits for diesel engines and is recommended for all diesel fuels (#1, #2, biodiesel, etc). Some of these benefits are:

- Provides detergency especially for high pressure common rail systems
- Reduces plugging on filters and nozzles
- Reduces fuel deposits
- Minimizes exhaust emissions
- De-hazes water contaminated fuel
- Improves combustion
- Increased stability of fuels as well as bio blends
- Prevents engine power loss and can restore power loss due to injector fouling
- Maintains and improves fuel economy
- Lubricity improvement



Injectors after using a detergent additive

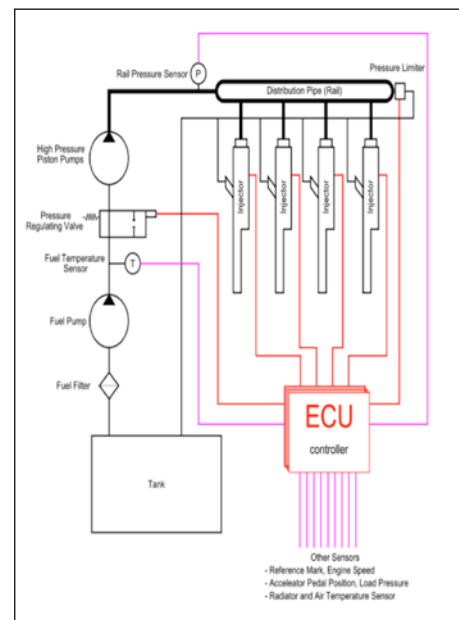
New injectors have extremely close tolerances, reduced nozzle clearance with higher operating temperatures and pressures. Deposits can arise from varied and large sources such as refinery changes, biodiesel integration as well as other more traditional contaminant areas. Deposits can cause malfunctions of the injector and cause poor fuel flow. Magellan's diesel additive stabilizes bio blends preventing the formation of the precursors that may lead to injector fouling. Additional benefits from a detergent additive also include improved fuel economy and reduced emissions, which help to protect the environment.

Reduced Fuel Deposits

Magellan's diesel additive helps remove and prevent fuel system deposits and keeps fuel injectors free from carbon and varnish deposits. Clogged injectors can result in a poor spray pattern, robbing the engine of power and performance. It can also increase maintenance and fuel costs. Minimizing deposits has become of critical importance as fuel injectors become more susceptible to fouling.



Typical injectors without a detergent additive



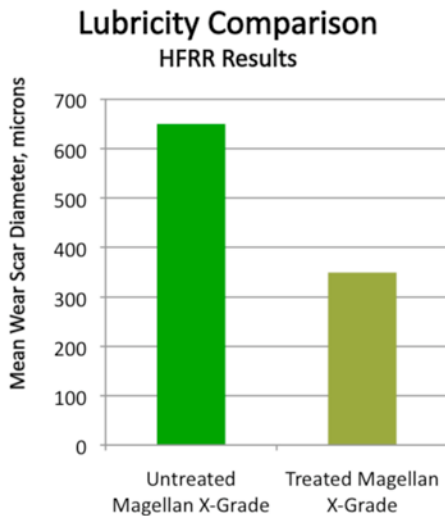
Fuel Stability

High pressure common rail fuel systems, illustrated by the DW-10 diagram, recycle the fuel under high pressure and temperature. An unstable fuel will begin to form deposits during this

process which can foul the fuel injector inlets and nozzles. Fuel treated with a stability additive ensures fuel remains in its optimum state, providing the best performance. Biodiesel can vary in composition from day to day and from one producer to the next. Components in the biodiesel are often subject to degradation, particularly when in contact with air. Magellan's diesel additive contains specific antioxidants and stability improvers to prevent the degradation of diesel fuels and bioblends which can degrade at your bulk storage tanks or vehicle fuel tanks. Magellan's diesel additive increases storage stability to provide more flexibility for managing your supply source while reducing the frequency of deliveries and minimizing delivery expenses.

Compatibility with Other Products

Magellan's diesel additive is compatible with the full line of Magellan's diesel fuel additives. Other products such as cold flow improvers combined with Magellan's diesel additive can enhance the treated diesel and provide a "winterized" product to meet year-round diesel fuel needs.



For further information and terminal availability on this, other additives offered, and product availability by terminal, please visit our web page at www.magellanlp.com or contact Magellan's Product Services group (918) 574-7421 or (918) 574-7365

Improved Lubricity

Ultra low sulfur diesel fuels offer limited lubricity protection to critical engine parts. Expensive maintenance and costly downtime can result from the premature wear of fuel injectors and high-priced fuel pumps. Magellan's diesel additive can help protect these critical engine parts by providing additional lubricity, which prevents premature wear and helps maintain performance.

This graph compares typical Lubricity by High Frequency Reciprocating Rig ("HFRR") results from Magellan untreated and treated fuels. HFRR results can range from 675 for untreated No. 2 ULSD to as high as 875 in untreated No. 1 ULSD, which fall well outside the target of 520 referenced in ASTM D975.

The information contained herein concerns qualities, performance characteristics, results and benefits of additive purchased from the manufacturers of that additive by Magellan's applicable affiliate providing terminalling services ("Magellan"). That information comes from the manufacturers of the additive and is provided in this additive information memo for the benefit and convenience of Magellan's terminalling customers. Such additive is, for ease of description, referred to herein as "Magellan's diesel additive" and/or "Magellan's generic diesel additive package."