



Diesel Concentrate Performance Fuel Additive

Total system cleaner and lubricity improver for all types of diesel engines. Excellent for ultra-low-sulfur diesel and biodiesel fuel.

AMSOIL Diesel Concentrate (ADF) provides maximum diesel operating efficiency. It compensates for the variances in quality of different fuels (including biodiesel) and the deficiencies of today's ultra-low-sulfur diesel fuel (ULSD) for better engine operation. New engine technology, tighter tolerances and emissions regulations require high-quality diesel fuel for long-term engine operability. AMSOIL Diesel Concentrate meets the low-sulfur mandate and improves diesel fuel quality to exceed today's stringent performance requirements. AMSOIL Diesel Concentrate helps extend equipment life, lowers operating costs and improves diesel performance.



**Tests Prove Up to 5%
Better Fuel Economy!**

Improves Fuel Economy and Restores Horsepower

As diesel engines are used, they become less efficient over time. Fuel injector deposits interrupt spray patterns, causing poor fuel atomization, incomplete combustion, excessive emissions and smoke. Tests prove that AMSOIL Diesel Concentrate cleans dirty injectors, improving fuel economy by up to 5 percent and restoring horsepower to like-new condition. Acceleration is improved and with regular use, AMSOIL Diesel Concentrate continues to enhance performance by keeping injectors clean. The net savings on fuel expenses can result in no additional cost to vehicle operation.

Lubricates Fuel Pump and Injectors

Ultra-low-sulfur diesel fuel has significantly reduced lubricity – a critical property in controlling wear in fuel pumps and injectors. AMSOIL Diesel Concentrate adds back all the lubricity properties needed for the fuel pump and injectors, improving service life, while saving time and money on maintenance costs.

Reduces Cylinder Wear, Retains Engine Oil TBN Longer

With high rates of exhaust gas recirculation (EGR) in modern diesel engines, acids from combustion are of particular concern. AMSOIL Diesel Concentrate neutralizes acids during combustion. It helps reduce acid-caused cylinder wear and aids in engine oil TBN retention, maintaining engine oil quality longer for better protection.

Minimizes Soot-Loading

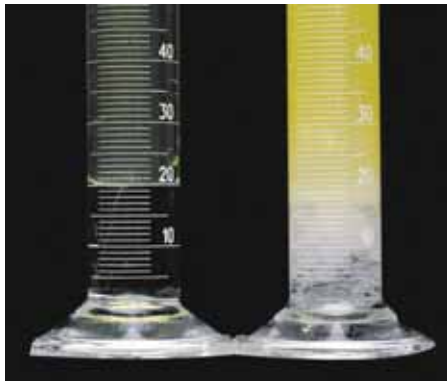
AMSOIL Diesel Concentrate is a powerful fuel additive that cleans fuel injectors and piston rings for improved combustion and better sealing. It minimizes soot generated from incomplete combustion and helps keep soot out of the crankcase, resulting in reduced soot-related wear and engine oil viscosity increase.

Fuel Stabilizer

Fuel degradation can cause gums, which increase deposits and the chance of filter plugging. AMSOIL Diesel Concentrate significantly improves the oxidation and thermal stability of diesel fuel. It overcompensates for ultra-low-sulfur diesel fuel's potential stability loss caused by extra processing and sulfur removal. Diesel fuel treated with AMSOIL Diesel Concentrate meets the requirements of the National Council of Weights and Measures (NCWM) Premium Diesel Fuel Specification for resisting diesel fuel degradation.



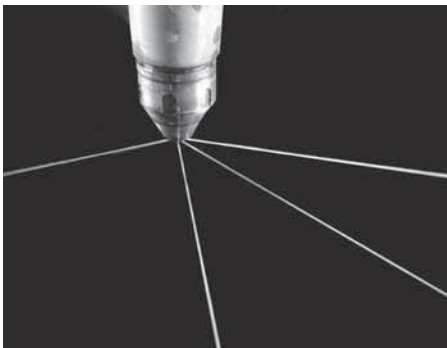
AMSOIL Diesel Concentrate Separates Fuel and Water



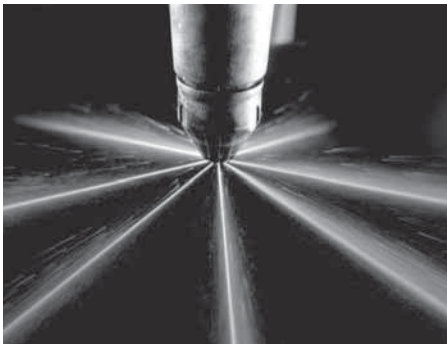
Treated

Untreated

Dirty Fuel Injector Spray Pattern



Clean Fuel Injector Spray Pattern



AMSOIL Diesel Concentrate helps ensure an even spray pattern by cleaning dirty injectors. Regular use improves acceleration and enhances engine performance by keeping injectors clean, resulting in better fuel economy and restored horsepower. Tested with Cummins L10 Injector Deposit test.

NACE Rust Test		
	NACE Visual Rating	% Rust
Base Fuel A (Depolarized Isooctane)	E	75-100%
Fuel A + AMSOIL ADF	A	None
Base Fuel B Commercial No. 2 Diesel Fuel	D	50-75%
Fuel B + AMSOIL ADF	B+	<1%



'E' NACE Rating



'A' NACE Rating

AMSOIL Diesel Concentrate provides superior anti-corrosion protection in extremely severe diesel fuel. This characteristic helps ensure anti-rust protection in storage facilities, fuel handling systems and diesel engines.

Separates Fuel and Water

AMSOIL Diesel Concentrate is an alcohol-free product that protects fuel systems against water contamination. It helps prevent fuel/water emulsions and it protects metal against corrosion. Water can be drained easier and fuel filters are less likely to plug, ensuring drivability.

Heating Oil Improver

AMSOIL Diesel Concentrate provides many of the same benefits in heating oil furnace applications. It provides fuel oil storage stability, water stability, corrosion protection, fuel oil filter longevity and its exceptional cleaning properties are expected to keep fuel oil nozzles clean for proper spray in the combustion chamber. AMSOIL Diesel Concentrate promotes trouble-free operation. AMSOIL Cold Flow Improver is recommended where fuel oil is stored outside at temperatures below 32°F.

RECOMMENDATIONS

AMSOIL Diesel Concentrate is recommended for use with all types of heavy- and light-duty, on- or off-road and marine diesel engines. Recommended mix ratio is one oz. of additive per five gallons of fuel. Use with every tank of fuel for the best performance and protection against fuel pump wear, injector wear and injector deposits. Compatible with all types of exhaust emission systems such as diesel particulate filters (DPFs). Add Diesel Concentrate to fuel before storage. Excellent for use with AMSOIL Cetane Boost and AMSOIL Cold Flow Improver. This diesel fuel additive complies with the federal low sulfur content requirements for use in diesel motor vehicles and non-road engines.

HEALTH & SAFETY

DANGER: COMBUSTIBLE. HARMFUL OR FATAL IF SWALLOWED. HARMFUL IF INHALED OR ABSORBED THROUGH SKIN. EYE AND SKIN IRRITANT. KEEP OUT OF REACH OF CHILDREN. Carefully read the precautions on the label of the AMSOIL Diesel Concentrate container before use. An MSDS is available online at www.amsoil.com, or upon request at (715) 392-7101. For warranty information, visit www.amsoil.com/warranty.aspx.



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