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DATA SHEET

Diesel Injector Clean + Cetane Boost

Defend your diesel

AMSOIL Diesel Injector Clean + Cetane Boost (ADS) combines the superior detergency and improved lubricity of AMSOIL Diesel Injector Clean and the increased horsepower and cetane of AMSOIL Cetane Boost in one convenient package. Diesel Injector Clean + Cetane Boost is specially engineered to defend your engine and fuel system against performance-robbing wear and deposits. Its concentrated formula provides dependable protection in warm weather. One dose delivers outstanding detergency, improved lubricity and higher cetane. It is safe for use in all diesel fuels, including biodiesel.



- **Cleans** dirty injectors.
- **Lubricates** pumps and injectors to reduce wear.
- **Increases** cetane up to 8 points.
- **Extends** fuel-filter life.
- **Improves** fuel economy up to 8%.
- **Combats** fuel-system corrosion.
- **Delivers** maximum horsepower.
- **Safe for use** in all diesel fuels, including biodiesel.
- **Alcohol-free**.

Restores Horsepower & Improves Fuel Economy

Fuel injector deposits interrupt spray patterns, causing poor fuel atomization, incomplete combustion, excessive emissions and smoke. High-pressure common-rail fuel systems are becoming commonplace as vehicle manufacturers attempt to produce more power while still meeting tightening emissions standards. In high-pressure common-rail systems, injection pressures can be 30,000 psi and higher to atomize the fuel into a fine mist for more efficient combustion, yielding increased power and fuel economy while reducing emissions. To maintain these high pressures, injector assemblies are highly engineered, with clearances as tight as 1-3 microns (a human hair is typically 70-100 microns thick). Even minimal internal diesel injector deposits on the injector pintal or other components can lead to sticking and even seizure, reducing power, fuel economy and operability. Traditional additive chemistry is not designed to address these tough-to-remove deposits.

AMSOIL Diesel Injector Clean + Cetane Boost features advanced chemistry that delivers concentrated strength to target internal diesel injector deposits and traditional carbonaceous deposits, helping to restore horsepower and operability to like-new condition. Acceleration is improved and, with regular use, Diesel Injector Clean + Cetane Boost continues to enhance performance by keeping injectors clean. The net savings on fuel can result in no additional cost of ownership.

Lubricates Pumps & Injectors to Reduce Wear

Ultra-low-sulfur diesel fuel (ULSD) provides significantly reduced lubricity – a critical property in controlling wear in fuel pumps and injectors. AMSOIL Diesel Injector Clean + Cetane Boost adds back the lubricity the fuel pump and injectors need, reducing wear, improving service life and saving time and money on maintenance costs.

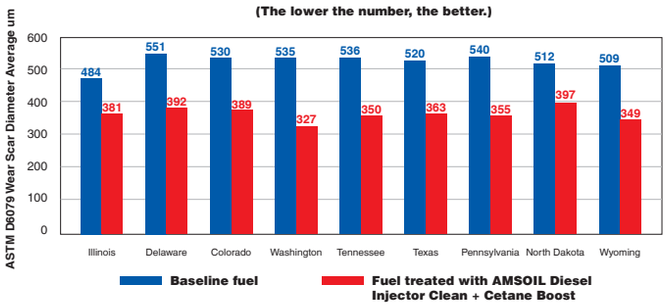
Improves Fuel Quality for Peak Performance

Fuel with a higher cetane number provides for a more complete burn, resulting in improved performance. By increasing cetane, AMSOIL Diesel Injector Clean + Cetane Boost improves the ignition quality of diesel fuel, maximizing available power and improving starting. It also smooths idle and reduces smoke and emissions.

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Lubricity Improvement



The ASTM D975 diesel fuel standard specifies a wear scar below 520 µm in ASTM D6079 testing, while the Engine Manufacturers Association (EMA) specifies a wear scar below 460 µm. Testing reveals AMSOIL Diesel Injector Clean + Cetane Boost provides significant lubricity improvement in diesel fuels found across the U.S., delivering improved wear protection. Fuels tested in 2017.

Extends Filter Life



Modern diesel engines run hot, raising the temperature of the fuel returned to the tank and causing carbonaceous deposits that collect in the fuel filter (see picture), plugging it and causing premature failure issues. AMSOIL Diesell Injector Clean + Cetane Boost effectively protects against deposits, extending fuel filter life.

RECOMMENDATIONS

Use AMSOIL Diesel Injector Clean + Cetane Boost in all types of heavy- and light-duty, on- or off-road and marine diesel engines. Add before filling tank. **Initial use:** follow clean-up recommendation. **Subsequent uses/regular treatment:** follow maintenance recommendation. To prevent cold-weather fuel issues, add AMSOIL Diesel Cold Flow or switch to AMSOIL Diesel All-In-One.

Use this treat rate chart for the 16-oz., 64-oz. and larger package sizes of AMSOIL Diesel Injector Clean + Cetane Boost

CLEAN-UP	MAINTENANCE	FUEL VOLUME
2 oz. of additive 8-point cetane increase	**1 oz. of additive** 4-point cetane increase	5 gal.

Use this treat rate chart for the 8-oz. size of AMSOIL Diesel Injector Clean + Cetane Boost

CLEAN-UP	MAINTENANCE	FUEL VOLUME
2 Bottles 8-point cetane increase	**1 Bottle** 4-point cetane increase	Up to 20 gal.

PRODUCT WARRANTY

AMSOIL products are backed by a Limited Liability Warranty. For complete information visit AMSOIL.com/warranty.aspx.

High-Pressure Common-Rail Fuel Injector Pintal



Traditional Fuel Injector Pintal



Fuel injectors in high-pressure common-rail diesel engines use smaller, highly engineered components to produce the higher fuel pressures needed for improved combustion. The tighter clearances invite internal diesel injector deposits that interfere with injector needle actuation, reducing performance. External deposits can also form on the injector nozzle (the typical trouble spot for traditional injectors). While many other fuel additives have yet to catch up to the internal diesel injector deposit problem, AMSOIL Diesel Injector Clean + Cetane Boost targets deposits wherever they form, maximizing power, fuel economy and performance in high-pressure common-rail and traditional diesel engines.

AMSOIL The First in Synthetics®

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