



## Diesel Injector Clean

A performance concentrate that delivers maximum results.

AMSOIL Diesel Injector Clean (ADF/ADFP) removes performance-robbing deposits from diesel fuel injectors to help restore horsepower and improve fuel economy. It is formulated for all types of diesel engines, including high-pressure common-rail designs. Diesel Injector Clean is formulated to clean both the tough-to-remove internal diesel injector deposits surfacing in modern high-pressure common-rail diesel engines and traditional carbonaceous deposits. Unlike all-in-one fuel additives that may sacrifice performance in specific areas in the name of convenience, AMSOIL Diesel Injector Clean makes no sacrifices; it is purpose-built for diesel owners who demand maximum results.

### Helps Restore Horsepower & Improve 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 near 30,000 psi 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.

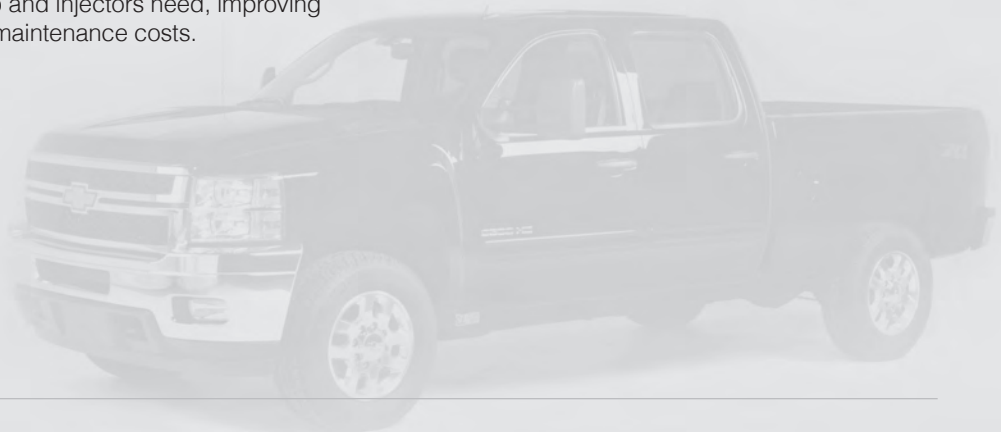
AMSOIL Diesel Injector Clean features advanced chemistry that delivers concentrated strength to target internal diesel injector deposits and traditional carbonaceous deposits, helping to restore horsepower and operability to like-new condition and improving fuel economy up to 4.5 percent. Acceleration is improved and, with regular use, AMSOIL Diesel Injector Clean continues to enhance performance by keeping injectors clean. The net savings on fuel can result in no additional cost of ownership.

### Lubricates Fuel Pump & Injectors

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 adds back the lubricity the fuel pump and injectors need, improving service life and saving time and money on maintenance costs.



- **Formulated** for all diesel fuel systems, including high-pressure common-rail designs
- **Cleans** dirty injectors
- **Adds** lubricity to reduce fuel-pump & injector wear
- **Improves** fuel economy up to 4.5 percent
- **Improves** power & torque



## Minimizes Soot-Loading

AMSOIL Diesel Injector Clean's powerful formula 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, reducing soot-related wear and motor oil viscosity increase.

## Separates Fuel and Water

AMSOIL Diesel Injector Clean is an alcohol-free product that protects fuel systems against water contamination. It helps prevent fuel/water emulsions so that separating filters can safely remove water before it reaches the pump and injectors, where it can cause corrosion. Water can be drained easier, ensuring drivability.

## Heating Oil Improver

AMSOIL Diesel Injector Clean provides many of the same benefits in heating oil furnace applications. It provides fuel-oil storage stability, corrosion protection, fuel-oil filter longevity and its exceptional cleaning properties help keep fuel-oil nozzles clean for proper spray. AMSOIL Diesel Cold Flow Improver is recommended where fuel oil is stored outside at temperatures below 32°F.

## RECOMMENDATIONS

AMSOIL Diesel Injector Clean is recommended for use with all types of heavy- and light-duty, on- or off-road and marine diesel engines. For initial use, follow the Clean-Up recommendation; use Maintenance dose for regular treatment. Use with

<b>AMSOIL Diesel Injector Clean</b>	Use this treat rate chart for the 16-oz., 64-oz. and larger package sizes of AMSOIL Diesel Injector Clean.		
	CLEAN-UP	MAINTENANCE	FUEL VOLUME
	2 oz.	1 oz.	5 Gal.
	4 oz.	2 oz.	10 Gal.
	12 oz.	6 oz.	30 Gal.
32 oz.	16 oz.	80 Gal.	
Use this treat rate chart for the 8-oz. size of AMSOIL Diesel Injector Clean.			
CLEAN-UP	MAINTENANCE	FUEL VOLUME	
2 Bottles	1 Bottle	Up to 20 Gal.	

every tank of fuel for best performance and protection against fuel-pump wear, injector wear and injector deposits. Compatible with all types of exhaust emission systems, including diesel particulate filters (DPFs). Add to fuel before storage. Excellent for use with AMSOIL Diesel Cetane Boost and AMSOIL Diesel Cold Flow. This diesel fuel additive complies with the federal low-sulfur-content requirements for use in diesel motor vehicles and non-road engines.

## AMSOIL PRODUCT WARRANTY

AMSOIL products are backed by a Limited Liability Warranty. For complete information visit [www.amsoil.com/warranty.aspx](http://www.amsoil.com/warranty.aspx).

## High-Pressure Common-Rail 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

## Traditional Fuel Injector Pintal



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 targets deposits wherever they form, maximizing power, fuel economy and performance in high-pressure common-rail and traditional diesel engines.



AMSOIL products and Dealership information are available from your local full-service AMSOIL Dealer.