

AMSOIL Diesel Concentrate Plus Cold Flow Improver

Two fuel additives in one bottle adds convenience for diesel owners.

AMSOIL now offers a premium, year-round diesel fuel additive that provides improved efficiency and maximum cold-weather performance. AMSOIL Diesel Concentrate Plus Cold Flow Improver (DFC) combines the superior detergency of AMSOIL Diesel Concentrate (ADF) and the excellent anti-gelling properties of AMSOIL Cold Flow Improver (ACF) in one convenient package without sacrificing performance.

Improved Efficiency

AMSOIL Diesel Concentrate Plus Cold Flow Improver is formulated with excellent detergency properties to help keep injectors, rings, piston crowns and the fuel pump lubricated. By improving injector performance, combustion becomes more efficient and less soot is generated. Diesel Concentrate Plus Cold Flow Improver cleans dirty injectors, improving fuel economy by up to five percent and restoring horsepower to like new. Acceleration is improved and with regular use, Diesel Concentrate Plus Cold Flow Improver continues to enhance performance by keeping injectors clean. The net savings on fuel expense can result in no additional cost to vehicle operation.

Superior Cold-Weather Performance

As the temperature drops, the wax naturally found in diesel fuel begins to form crystals. The point at which wax crystals form is known as the cloud point. These wax crystals eventually clog the fuel filter and starve the engine of fuel, preventing it from starting. While low-quality fuels may form wax crystals in temperatures as warm as 40°F (4°C), most fuels have a cloud point near 32°F (0°C). The point at which the wax crystals clog the fuel filter is known as the cold filter-plugging point (CFPP). AMSOIL Diesel Concentrate Plus Cold Flow Improver lowers the CFPP by as much as 34°F (19°C) in ultra-low-sulfur diesel fuel (ULSD). It also reduces the pour-point temperature of treated diesel fuel, providing better fuel delivery to the injectors during cold weather. It is formulated with a jet-fuel-type deicer that controls ice formation in all sections of the fuel system. Diesel Concentrate Plus Cold Flow Improver minimizes the need for the use of #1 diesel fuel, enabling better fuel economy, performance and lubricity. Product performance may vary depending on diesel grade and quality.

Pour Point Vs. CFPP

It is important to distinguish between CFPP and pour point. Many competitors make great claims regarding pour point, leading consumers to believe their products are superior when they actually have an inferior CFPP. Once fuel surpasses its cloud point, the wax crystals begin to clog the fuel filter. The CFPP temperature is a more important character-

istic than pour point because the engine will not run if fuel cannot pass through the fuel filter.

Ultra-Low-Sulfur Diesel Fuel Challenges

The reduced sulfur levels in modern ULSD result in reduced lubricity, the property that controls wear in the fuel injectors and fuel pump. Improving lubricity in ULSD is difficult because it must be done without adding sulfur back into the fuel. Additionally, ULSD is subjected to extensive refining, making it even more difficult to treat. AMSOIL Diesel Concentrate Plus Cold Flow Improver is formulated specifically for modern ULSD fuel. It improves lubricity, helps maintain engine oil TBN and prevents soot loading.

Recommendations

One 16-oz. bottle of AMSOIL Diesel Concentrate Plus Cold Flow Improver treats 40 gallons of fuel. Diesel Concentrate Plus Cold Flow Improver will show no signs of solidifying in its concentrated state in the bottle until the temperature reaches -22°F (-30°C). It will only freeze in its concentrated state, and AMSOIL recommends storing it at temperatures above 0°F (-18°C). If Diesel Concentrate Plus Cold Flow Improver is allowed to freeze in the bottle it can be thawed and used. When mixed with diesel fuel, Diesel Concentrate Plus Cold Flow Improver effectively improves diesel fuel cold-temperature properties. It is recommended, however, that fuel be treated at temperatures above 32°F (0°C). Diesel Concentrate Plus Cold Flow Improver will not dissolve wax crystals which have already formed in the fuel. AMSOIL Diesel Concentrate Plus Cold Flow Improver meets federal regulations for ULSD fuel. It complies with federal low-sulfur content requirements for use in diesel motor vehicles and non-road engines. While Diesel Concentrate Plus Cold Flow Improver is formulated specifically for ULSD fuel, it is also effective in non-ULSD fuels, including biodiesel. AMSOIL Diesel Concentrate Plus Cold Flow Improver is specifically formulated to improve the lubrication of fuel system components, improve fuel flow, help maintain fuel integrity and prevent the fuel filter and injectors from clogging. Diesel Concentrate Plus Cold Flow Improver is recommended for diesel-powered vehicles, home heating oil and kerosene heating systems.

