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AMSOIL Regulatory Compliance

DATA BULLETIN

Diesel Cold Flow

Combats fuel gelling in cold weather

AMSOIL Diesel Cold Flow (ADD) combats diesel fuel gelling by improving diesel cold-flow ability. It is formulated with an advanced deicer to enhance fuel flow and help prevent fuel filter plugging in cold temperatures. Diesel Cold Flow is formulated for a broad range of diesel fuels, including biodiesel and #1 and #2 ultra-low-sulfur diesel (ULSD). Diesel Cold Flow delivers confidence in your diesel's performance. Its concentrated formula uses unique chemistry to target and eliminate specific performance issues, maximizing diesel power.

Reduces Need for #1 Diesel Fuel

Using #1 diesel fuel is one traditional solution to cold-weather diesel fuel problems. While #1 diesel fuel has an advantage in low-temperature operability, the energy content of #1 diesel fuel is about 95 percent that of #2 diesel fuel, resulting in reduced fuel economy and less horsepower, and it costs more at the pump. Diesel Cold Flow minimizes the need for blending standard #2 diesel fuel with #1 diesel fuel, helping to maintain fuel economy and keep engines functioning normally.

Helps Prevent Gelling

As the temperature drops, the wax naturally found in diesel fuel begins to crystallize. 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 crystals clog the fuel filter is known as the cold filter-plugging point (CFPP). Diesel Cold Flow lowers the CFPP by up to 40°F (22°C) in ULSD.

Prevents Wax Settling

Wax crystals can settle and clog fuel filters (see picture). AMSOIL Diesel Cold Flow is formulated with wax anti-settling additives that drastically reduce the size of wax crystals, preventing them from settling and allowing them to more effectively pass through the filter, improving low-temperature operability.



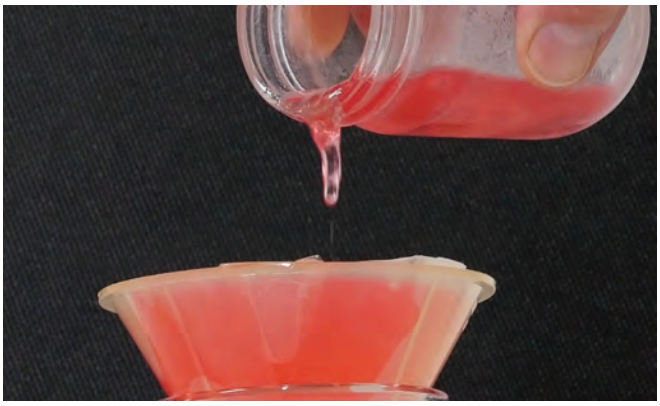


- **Lowers** cold filter-plugging point (CFPP) by up to 40°F
- **Enhances** engine reliability in cold temperatures
- **Fights** gelling in cold weather
- **Improves** low-temperature startability
- **Prevents** wax settling during storage
- **Inhibits** fuel-filter icing
- **Safe for use** in all diesel fuels, including biodiesel
- **Reduces** downtime and maintenance costs
- **Alcohol-free**



AMSOIL Diesel Cold Flow

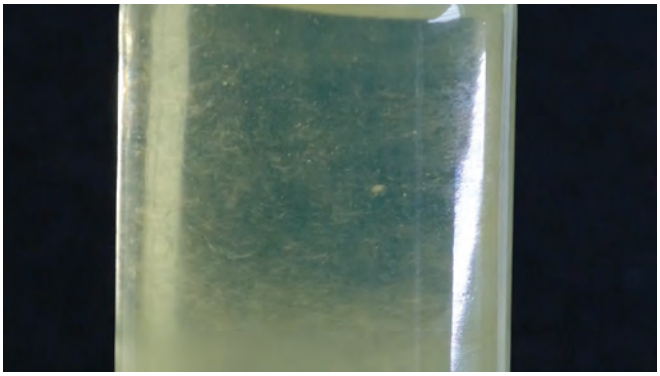
lowers the cold filter-plugging point (CFPP) by up to 40°F (22°C) in ULSD.



Wax formation in untreated diesel fuel resists pouring.



Wax formation in untreated diesel fuel plugs a coffee filter.



Wax crystals in untreated diesel fuel. The wax crystals will eventually fall out of solution and plug the fuel filter.

APPLICATIONS

Diesel Cold Flow is specially formulated for improving the flow of diesel fuel, helping to maintain the integrity of fuel and prevent the clogging of filters and injectors. It is excellent for use with diesel fuels, heating oils and kerosene.

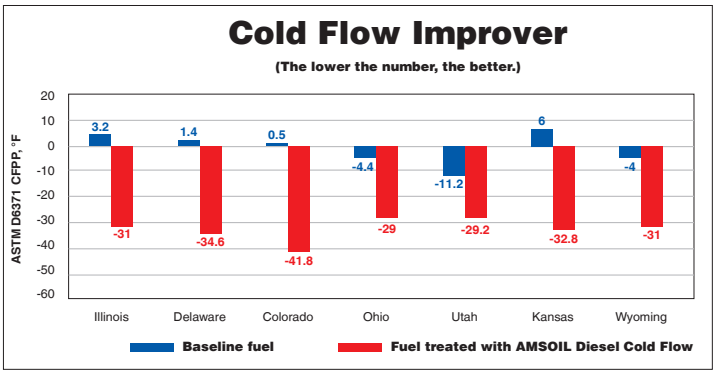
RECOMMENDATIONS

ADDITIVE	MAINTENANCE	FUEL VOLUME
	1 oz.	5 gal.
	2 oz.	10 gal.
	6 oz.	30 gal.
	16 oz.	80 gal.

Add before filling tank. Diesel Cold Flow must be added at temperatures above the diesel fuel cloud point (the temperature at which wax begins to crystallize). It will not reverse gel or wax crystals once formed. Do not store at temperatures below 0°F (-18°C). Excellent for use with AMSOIL Cetane Boost and AMSOIL Diesel Injector Clean.

AMSOIL PRODUCT WARRANTY

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



Testing reveals AMSOIL Diesel Cold Flow provides significant cold-flow improvement in diesel fuels found across the U.S., delivering improved cold-weather performance.

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

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