

Diesel Recovery: Maximum Performance

AMSOIL Diesel Recovery outperforms competition in industry tests.

AMSOIL Diesel Recovery (DRC) is an emergency diesel fuel treatment that quickly dissolves the wax crystals that form when diesel fuel has surpassed its cloud point. It liquefies gelled diesel fuel and thaws frozen fuel filters, avoiding costly towing charges and getting diesel vehicles back on the road. Diesel fuel quality varies from one filling station to the next, and low-quality fuel can have a cloud point as high as 4.4°C (40°F), making Diesel Recovery a necessity for diesel operators in cold-weather climates.



varies according to package size; Power Service's maximum recommended dosage of 32 oz. per 30 gallons of fuel was used in this evaluation.

As the results demonstrate, AMSOIL Diesel Recovery delivers superior performance. In ULSD, Diesel Recovery reduced the fuel's pour point by 27°C and the CFPP by 17°C. Diesel 911, on the other hand, only reduced the pour point of ULSD by 10.5°C and actually *increased* the fuel's CFPP by .5°C.

In B2 biodiesel, AMSOIL Diesel Recovery reduced the fuel's pour point 9°C and reduced the CFPP 19.75°C; while Diesel 911 *increased* the fuel's pour point 5.25°C and reduced the CFPP only 6°C.

Diesel Recovery reduced the pour point of B5 biodiesel 24°C and reduced the CFPP 16°C. Diesel 911 reduced the pour point of B5 18°C and again *increased* the CFPP 1.75°C.

Cold Weather and Diesel Fuel

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 or prevent it from starting.

#1 Diesel Fuel

One traditional solution to cold-weather problems in diesel engines is the use of #1 diesel fuel, which is diesel fuel diluted with kerosene. While #1 diesel fuel has an advantage in low-temperature operability, there are also several disadvantages. The energy content of #1 diesel fuel is about 95 percent of #2 diesel fuel, resulting in reduced fuel economy and less horsepower. In addition, the kerosene used in #1 diesel fuel provides less lubrication for the fuel pump and fuel distributor, increasing the likelihood for wear on these critical components.

Cold-Weather Performance Parameters

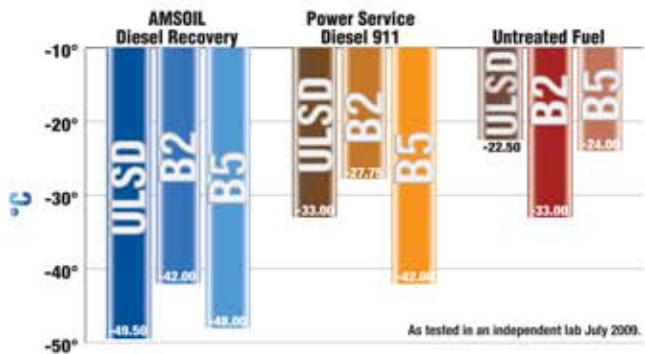
AMSOIL Cold Flow Improver (ACF) effectively maintains fuel flow in cold weather, reducing the cold filter-plugging point (CFPP) by up to 34°F (19°C) in ultra-low-sulfur diesel fuel (ULSD). However, Cold Flow Improver must be added to diesel fuel before it reaches its cloud point, and it will not dissolve wax or liquefy diesel fuel once wax crystals have formed. AMSOIL Diesel Recovery is specifically formulated to address these problems.

Many competitive products 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 characteristic than pour point because the engine will not run if fuel cannot pass through the fuel filter.

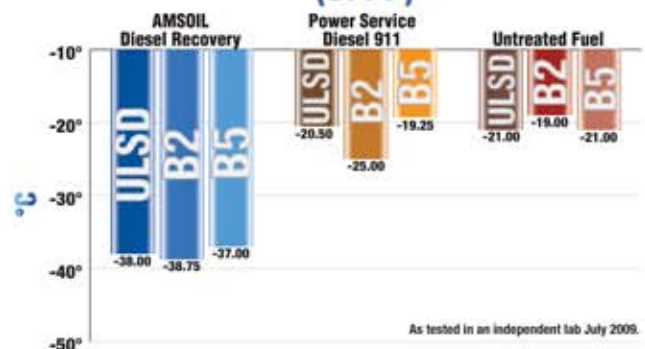
Diesel Recovery Proven Superior

In order to test the performance capabilities of AMSOIL Diesel Recovery, AMSOIL commissioned an independent laboratory to perform an evaluation. Three types of diesel fuel were used in the testing, including ultra-low-sulfur diesel (ULSD), B2 biodiesel and B5 biodiesel. Three samples of each fuel-type were tested: one treated with AMSOIL Diesel Recovery, one treated with Power Service Diesel 911 and one untreated sample. Diesel Recovery was administered at the recommended treat rate of 30 oz. per 30 gallons of fuel. The treat rate for Diesel 911

Pour Point



Cold Filter-Plugging Point (CFPP)



Dependable Performance

As state, provincial and federal governments continue to impose new mandates on diesel fuel regarding sulfur and bio-matter content, it is increasingly important to offer products that perform well in all available types of fuel. While fuel systems and fuel quality vary, AMSOIL Diesel Recovery delivers dependable performance in all diesel fuels, including ULSD, off-road and biodiesel. In addition, Diesel Recovery is alcohol-free, making it safe for repeated treatments.