



COLD FLOW IMPROVER

COLD WEATHER TREATMENT FOR DIESEL FUEL TO IMPROVE COLD WEATHER HANDLING AND OPERABILITY

Due to more extensive processing, today's ultra-low sulfur diesel (ULSD) fuels gel at higher temperatures than ever before. ULSD users need cold flow protection to prevent diesel fuel gelling problems at winter temperatures.

COLD FLOW IMPROVER from Bell Performance enhances the cold weather performance of all types of diesel fuel.

COLD FLOW IMPROVER combines wax crystal modifiers, fuel paraffin dispersants and wax anti-settling agents (WASA) for superior cold weather anti-gel performance for today's diesel fuels. It is your best choice to prevent cold weather operability problems and keep your diesel-powered vehicles and equipment running through the cold winter weather.

BETTER COLD WEATHER FUEL OPERABILITY

Bell Performance's **COLD FLOW IMPROVER** formulation can reduce the cold filter plug point of typical diesel fuels by 15-20 degrees F.

The active ingredients in **COLD FLOW IMPROVER** act on diesel fuel wax content, reducing their coagulation and the associated problems of fuel filter and fuel line plugging from wax buildup.

CONTROLS WATER, FREEZING AND FUEL LINE ICING

The water control agents in **COLD FLOW IMPROVER** target and absorb accumulated water in winter diesel fuels, reducing the associated problems of fuel line freezing and icing of fuel filters.

WHO SHOULD USE COLD FLOW IMPROVER?

If you need to protect against cold weather diesel gelling problems, **COLD FLOW IMPROVER** is for you.

IDEAL USERS AND USES OF THIS PRODUCT WILL INCLUDE:

- Anyone who can't afford to be sidelined by gelled diesel fuel in cold weather
- Diesel trucks and heavy equipment in cold climates
- Diesel generators in cold weather environments
- Home heating oil stored in cold weather environments

WHAT WILL COLD FLOW IMPROVER DO FOR YOU?

- Lowers fuel Cold Filter Plug Point temperature by 15-20 degrees F
- Helps prevent wax crystals from plugging filters
- Maintains fuel BTU value
- Eliminates fuel line freezing and fuel filter icing
- Reduces need to blend in #1 kerosene fuel
- Prevents corrosion due to moisture presence

COLD FLOW IMPROVER RB

For large volume fuel users, Bell Performance created **COLD FLOW IMPROVER RB** with the same superior cold weather anti-gel performance as **COLD FLOW IMPROVER**, but in a more concentrated, cost-effective formulation.

COLD FLOW IMPROVER RB meets the needs of customers that require highly effective cold weather treatment in their bulk diesel fuel without running afoul of the fiscal limits inherent to their cost-sensitive markets.

FOR OPTIMAL PERFORMANCE

Always add **COLD FLOW IMPROVER** or **COLD FLOW IMPROVER RB** to diesel fuel at ambient temperatures above the fuel cloud point.

All cold weather treatments for diesel fuel work best when well-mixed into the fuel. For best treatment mixing, especially for addition to vehicles & equipment fuel tanks, add **COLD FLOW IMPROVER** to the fuel tank prior to addition of fresh fuel.

For anti-gel treatment of bulk fuel supplies, direct injection of **COLD FLOW IMPROVER RB** with fuel circulation is the recommended best practice. Splash blending may also be a satisfactory alternative.

AVAILABILITY & TREAT RATIOS

Both **COLD FLOW IMPROVER** and **COLD FLOW IMPROVER RB** provide industry-leading anti-gel protection for diesel fuels. For greater protection at very cold temperatures, higher doses of **COLD FLOW IMPROVER** or **COLD FLOW IMPROVER RB** may be recommended. Precise effects on fuel cloud and gelling points may vary from one fuel batch to the next. For more specific treat rate recommendations relative to temperature drop, testing of fuel samples is recommended.

COLD FLOW IMPROVER

Use 1 oz. **COLD FLOW IMPROVER** per 8 gallons of fuel. 1 gallon treats up to 1,000 gallons of diesel fuel.

COLD FLOW IMPROVER is available in 32-oz., 1-gallon, 5-gallon and 55-gallon sizes.

COLD FLOW IMPROVER RB

Use 1 gallon per 3000 gallons of **COLD FLOW IMPROVER RB** (333 ppm) as a baseline treat rate. **COLD FLOW IMPROVER RB** is available in larger product sizes (55-gallon drum, 250-gallon tote) suitable for treatment of larger fuel volumes.

For more details on availability and pricing for bulk/tanker product volumes, contact the Bell Performance office or speak to your Account Manager.

