

## Service Additives – Diesel System

Version: SA8/03

# Valvoline™ Diesel Cold Flow Improver

Highly effective flow improver for heating oil, diesel and super diesel.

## Applications

Suitable for all diesel engines in vehicle and facility use. Also for all heating oil tanks.

Helps to prevent cold start and cold running problems in low temperature climate circumstances by anti-gel performance.

With Diesel Cold Flow Improver, it is possible to lower the temperature at which the wax crystals will block the filters (Cold Filter Plugging Point) and the temperature at which the diesel freezes (Pour point). However, it will not fix products in tanks that is showing signs of wax.

## Operating instructions

In diesel engines: Add to fuel tank before it reaches the 0 °C limit.

With heating oil: Add to tank before it reaches the 0 °C limit.

### Dosage:

Improves cold protection by decreasing the diesel pour point with the temperatures indicated in the table\*:

|                                  |        |
|----------------------------------|--------|
| 1 bottle (300 ml) : 300 L diesel | - 3 °C |
| 1 bottle (300 ml) : 150 L diesel | - 6 °C |
| 1 bottle (300 ml) : 60 L diesel  | -12 °C |

\* actual protection and average decrease of the diesel pour point depends on the quality of the diesel fuel

### Note:

For optimal mixing effect, please add Valvoline Diesel Cold Flow Improver to tank before refilling with Diesel Fuel at the gas station. Suitable for summer and winter diesel.

## Features & Benefits

### Optimal cold climate engine operation

Keeps diesel fuel and heating oil operational during low temperatures. The Diesel Cold Flow Improver reduces the gelling tendency and thereby improves fuel flow.

Ideal solution to prevent transition problems from summer to winter diesel operation. Prevents thickening of diesel fuel and blocking of fuel lines and filters.

### Improved combustion

Raises the cetane number to enhance diesel combustion.

### Easy to use

Application through simply adding it to the diesel fuel tank. No specialist tools or equipment required.

# PRODUCT INFORMATION



## Keeping the world moving since 1866™

Serving more than 100 countries around the globe, Valvoline is a leading marketer, distributor and producer of quality branded automotive and industrial products and services. Products include automotive lubricants; transmission fluids; gear oils; hydraulic lubricants; automotive chemicals; specialty products; greases, and cooling system products.

For more information on Valvoline products, programs and services please visit [www.valvolineeurope.com](http://www.valvolineeurope.com)

## Typical properties

Typical property characteristics are based on current production. Whilst future production will conform to Valvoline specifications, variations in these characteristics may occur.

| Diesel Cold Flow Improver |              |
|---------------------------|--------------|
| Appearance                | Light yellow |
| Specific Gravity @ 20°C   | 0,776        |
| Flash Point, °C           | 12           |

**This information only applies to products manufactured in the following location(s): Europe**

## Health & Safety

This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office or via the internet <http://msds.valvoline.com>

## Protect the environment

Take used chemical to an authorized collection point. Comply with local regulations. Do not discharge into drains, soil or water.

## Storage

We recommend to store all packages under cover. Keep container tightly closed and stored in a cool, dry and well ventilated place. Products should be stored inside and do not exposed to direct sunlight and high temperatures. Avoid freezing conditions.

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