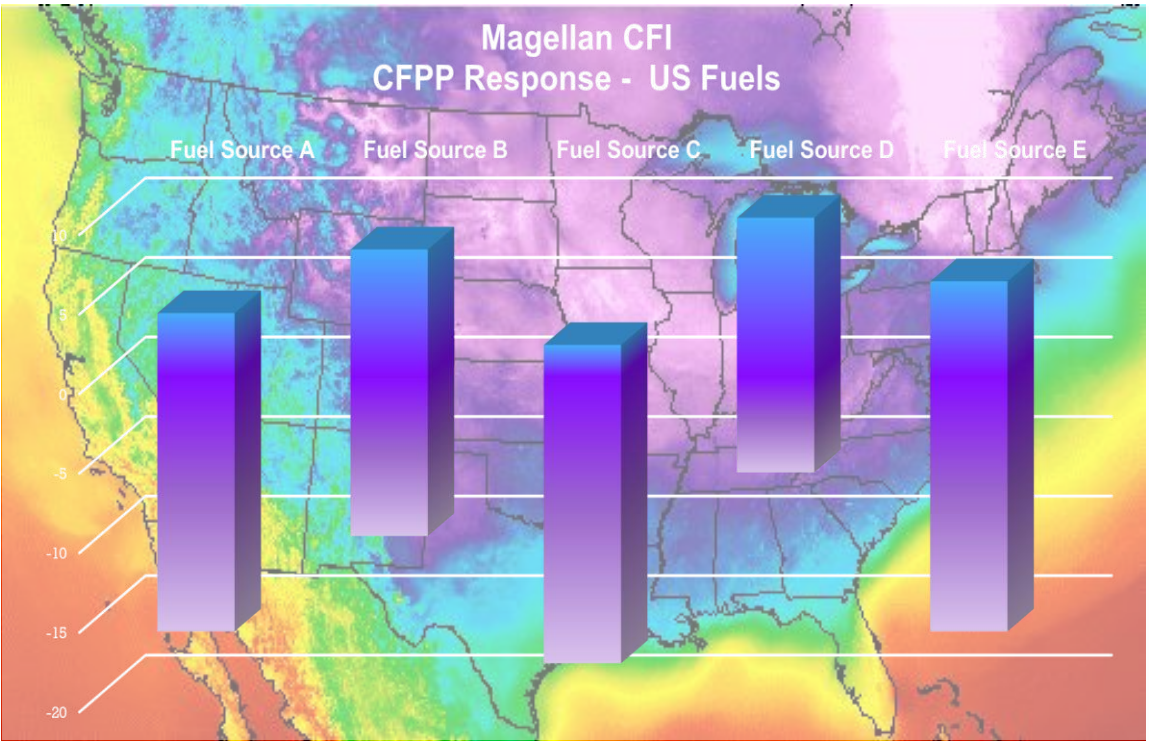
Magellan Cold Flow Improver

Operation of diesel engines in harsh environments often leads to issues with gelled fuel, clogged filters, and blocked fuel lines. These issues are caused by waxes and paraffins that become insoluble in cold fuel. Magellan's Cold Flow Improver eliminates problems by keeping the fuel flowing freely from the tank to the injector.



The low temperature performance of fuel is often measured by two key parameters:

- ***Pour Point*** *– temperature where the fuel no longer flows*
- ***Cold Filter Plugging Point*** *(CFPP) – indicator of fuel's ability to flow at low temperatures*

Magellan's Cold Flow Improver enhances low temperature performance by modifying the size and shape of the insoluble waxes and paraffins while keeping them dispersed in the fuel as it cools. Magellan insures performance by proper additive selection and application, delivery of high-quality fuel, and in-depth oversight analysis throughout our pipeline and terminal system.

Contact Us

For further information on terminal availability of Magellan Cold Flow Improver and other additives, along with product availability by terminal please contact Magellan at additiveservices@magellanlp.com

MAGELLAN MIDSTREAM PARTNERS, L.P.

The use of Magellan Cold Flow Improver depresses the CFPP of diesel by a minimum of 15°F and often greater than 25°F.

Average CFPP Response (°F)	Untreated	w/ MPL CFI	Depression Δ T
"Northern" Terminals	4	-17	22
"Central-North" Terminals	10	-13	23
"Central-South" Terminals	11	-11	22

Biodiesel blends can be troublesome in cold weather. Magellan Cold Flow Improver provides exceptional performance in blends up to B20.

Average CFPP Response (°F)	Untreated	w/ MPL CFI	Depression Δ T
Biodiesel Blend - B6	4	-16	20
Biodiesel Blend - B11	6	-12	18

Often kerosene (Y-Grade, #1) will be used during cold weather to prevent fuel issues. However, kerosene only slightly improves the CFPP of diesel and reduces the BTU content of the fuel. Magellan Cold Flow Improver can replace up to 50% kerosene at a lower cost.