EGS COLD

Cold Flow Supplement

Product Description:

Standard #2 diesel fuel can experience significant engine problems in severe cold weather. As the temperature drops during winter operation, the paraffin wax naturally found in diesel fuel begins to crystallize causing the engine to lose power. To prevent gelling or the formation of crystals, EGS COLD has been specially formulated to provide maximum cold flow capabilities in diesel and biodiesel fuels. EGS COLD is an organice polymer that improves low temperature pour and flow properties of fuel. The advanced formulation provides superior performance to help prevent filter plugging in cold temperatures and to eliminate the problems associated with water present in fuel. To ensure satisfactory cold weather performance, EGS COLD is capable of preventing gelling of #2 diesel fuels from as low as -40°C.

Performance Features:

- Stops fuel-filters from plugging with wax formations
- Depresses the pour point of diesel and biodiesel fuels
- Inhibits CFPP behavior
- Enables deeper cuts into barrel for middle distillate use
- Broadens range of crude oil usable for middle distillate use
- Reduces need for blending with #1 diesel fuel or kerosene dilution for pour or flow control
- Eliminates cold-climate operational problems associated with the use of diesel and biodiesel fuels
- Prevents fuel gelling in diesel fuels in temperatures as low as -40°C — keeps fuel liquid during extended engine shutdowns
- Improves diesel fuel performance while reducing downtime and maintenance
- Effectively improves diesel fuel cold-temperature properties
- Lowers cold filter plug point

Typical Applications:

Recommended dosage is typically between 25 PPM (7.5 PTB) and 1000 PPM (300 PTB) depending on base fuel and performance target desired. EGS recommends storing the bottle at temperatures above O°F (-18°C). It is important to treat the fuel before it begins to gel or has reached its cloud point as EGS COLD is designed to prevent gelling and will not dissolve wax crystals which have already formed in the fuel unless the fuel has thawed. EGS COLD may be stored at ambient temperatures up to -40°C. The viscosity of the supplment is low enough to provide handling under most ambient conditions. At very low temperatures, additive dilution and/or heating may be reccomended. May also be used in neat or dilute form. EGS COLD may be used in conjunction with EGS BOOST.

Prepared: November 19, 2009

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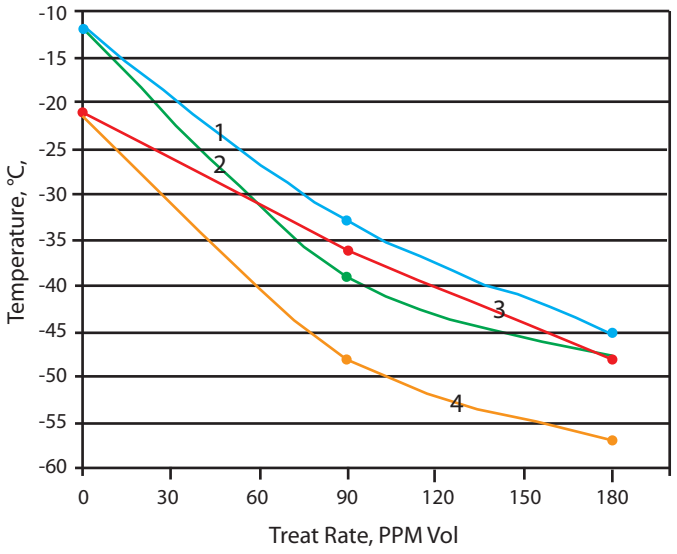
Available Sizes:

SIZE	CASE QTY.	PART NO.	TREATS
Gallon-size Bottles	-	F16005	-
55-Gallon Drum	-	F16055	-

Typical Specifications:

Property	Value	Unit	Method
Appearance	White opaque liquid	None	Visual
Specific Gravity	0.912	None	ASTMD405S
Weight per gallon (US)	7.61 @ 15.6°C	lbs	Calculation
Viscosity	60 @ 40°C	CST	ASTMD445
Flash Point PMCC	46	°C	ASTMD93
Sulfur	34 Typical	PPM wt	ASTM3120
Pour Point	-18	°C	ASTMD97
°C of Thermal Expansion	0.00076	None	ASTMD4052

Pour Point Response



1) B20 Bio Diesel
2) B2 Bio Diesel
3) B5 Bio Diesel
4) #2 Diesel

PPM treat rate 1 to 5000 gallons equals 180 PPM

May be used up to 1000 PPM equals 1 to 1000 gallons

Health and Safety:

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and following the recommendations provided in the Material Safety Data Sheet (MSDS). This product is not to be used for purposes other than those specifically intended. When disposing the product, please take precautions to protect the environment.

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