D-A LUBRICANT COMPANY

Fuel Guard™ Winter Plus

Detergent/Lubricity

Product Description

D-A Fuel Guard™ Winter Plus Detergent/Lubricity is designed for use in cold weather diesel engine service using Ultra Low Sulphur diesel fuel. It provides excellent cold weather fuel flow improvement through wax crystal modification and wax suspension. Fuel Guard™ Winter Plus Detergent/Lubricity contains an anti-icing agent to help control ice blockage while depressing the fuel pour point by 15 to 35 °F. Helps keep injectors clean and wear free for improved fuel performance. For best performance, add to diesel fuel when fuel temperature is above 20 °F.

Product Features and Benefits

Wax crystal modifier prevents formation of large wax crystals in cold diesel fuel thereby preventing blocked filters.

Wax crystal dispersant keeps the microscopic wax crystals suspended in the diesel fuel, further reducing the chance of fuel line and filter blockage.

Fuel de-icer helps remove water and reduces ice blockage of fuel lines and filters.

Formulation designed to clean and lubricate fuel injectors which improves fuel economy - saving you money.

Promotes peak engine performance by keeping fuel system components free of deposits.

Does NOT contain Methanol, Ethanol or Isopropanol because alcohol can be harmful to fuel system components as well as being a safety concern.

Reduces sludge and prevents corrosion.

PRODUCT AT A GLANCE

- Compatible with Low Sulphur and Ultra Low Sulphur Diesel Fuel
- Wax crystal modifier prevents large wax crystals that can cause blocked filters
- Protects fuel injectors and pumps against wear
- Promotes peak engine performance
- Can improve fuel economy

I•S•O 9001 2008

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Fuel Guard™ Winter Plus

Detergent/Lubricity

Typical Applications

Diesel Engine:

- Add to diesel fuel tank as temperature is dropping toward 20 °F.
- To maintain clean efficient winter operation, add 12 oz. to tank just prior to adding 100 gallons of diesel fuel.
- For bulk storage, use 1 gallon in 1,000 gallons of diesel fuel.

Typical Properties

- Depresses fuel pour point 15 to 35 °F.
- Reduces cold weather fuel filter plugging by 10 to 20 °F.
- Promotes separation of fuel and water in bulk storage.
- Wax crystals are modified to microscopic sizes and suspended in fuel to help prevent fuel line and filter blockage.
- Works with Low Sulphur and Ultra Low Sulphur, #2, #1 and blended diesel fuels to prevent fuel line and filter clogging.
- Fuel de-icer.

CONTAINS NO METHYL, ETHYL OR ISOPROPYL ALCOHOL!

ALWAYS READ THE LABEL BEFORE ATTEMPTING TO USE THE PRODUCT.

WARNING: Combustible Liquid. Keep away from sparks and open flames. Can cause severe lung damage and may be fatal if swallowed. May cause central nervous system depression. Ground and bond containers when transferring material.

WARNING: Fuel Guard Winter Additive, in its concentrated state, will freeze or gel at sub-zero temperatures.

Specific Gravity, 60°F	ASTM D1298	0.888
Flash Point, (PMCC) °F (°C)	ASTM D92	110.0 (43.3)
Viscosity, cST @ 40 °C	ASTM D445	1.07
Pour Point, °F (°C)	ASTM D97	-25 (-31.7)
Sulphur	ASTM D1552	<15 ppm
D-A Part No.	Drum, 54 gal	56062

To Order D-A Products, Call 1-800-OIL-LUBE (1-800-645-5823) or Fax orders to 765-482-3065

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