



MARC 74-DFC DIESEL FUEL CONDITIONER

MARC 74-DFC is an all-season, all-purpose diesel fuel treatment. It not only contains additives to promote more efficient fuel use, it also contains a pour point depressant and cold flow improver. Blockage of fuel filters, lines and valves is a problem in cold weather due to the formation of wax crystals when temperatures fall below the cloud point of the fuel. MARC 74-DFC can help eliminate these problems because it modifies wax crystal structures and inhibits their growth in size, thus permitting fuel flow at lower temperatures.

The cloud point of fuel is the temperature at which paraffin wax crystals begin to form, giving fuel a cloudy appearance. The pour point is the lowest temperature at which fuel will flow before it jells due to wax formation. The growth of the wax crystal lattice structure depends upon quantity of wax, molecular weight, time, temperature and types of hydrocarbons in the fuel.

Although MARC 74-DFC (or any other additive) cannot change the cloud point, it does lower the pour point so that fuel flows when it normally could not. MARC 74-DFC must be added when fuel is at least 10° above the cloud point – it cannot help fuel already clouded or jelled. Since the cloud point and pour point of fuels can differ widely, the degree of effect on the pour point can vary. But, using MARC 74-DFC at the recommended rate of one fluid ounce to eight gallons (one quart to 250 gallons) in Number 2 diesel fuel with a normal pour point of -5°F, for example, can lower the pour point to -20°F. Higher rates will give increased effectiveness, though not proportionally so.

While MARC 74-DFC does reduce wax problems, it cannot eliminate the wax, and is no substitute for heated filters and lines. Treated fuel with a high wax content can still overload filters. MARC 74-DFC should not be used in gasoline.

MARC 74-DFC also contains ashless, non-phosphorous polymeric detergent – dispersant additives to promote fuel and engine efficiency. Performance is enhanced through sludge dispersancy, corrosion inhibition and thermal stabilization. In addition, it helps correct problems found in the field such as tank sludging, screen and filter plugging, fuel system corrosion, burner nozzle fouling, injector nozzle sticking and fouling, heat exchange caking, incompatibility of blended fuels, smoking of exhaust stacks and power loss. It is ideal for use with low/ultra-low sulfur fuels.

MARC 74-DFC is the diesel fuel treatment which works not only in winter to control fuel gellation, but all year-round, protecting the engine and helping get the most mileage from every gallon of fuel.

Appearance: thin liquid
Color: tan
Odor: petroleum distillate
Specific Gravity: 0.82
Weight per Gallon: 6.85 pounds
Flash Point: 130° F

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