



The Best Prescription for Marine Diesel Fuel!

Marine Diesel Performance Additive

Biobor®MD is a cutting edge marine fuel additive engineered to enhance fuel performance, increase lubricity and lower exhaust emissions. Cetane levels are raised for easier cold starting, fuel lubricity and combustion is increased, while the entire fuel system is cleaned of sludge. These advantages result in more power and torque with less fuel-related down time and maintenance costs.

Improves the fuel—Cetane Enhancers raise the Cetane level up to 3 numbers enabling faster fuel ignition, while combustion improvers provide for a more complete fuel burn. Working together, these factors enable fuel to ignite sooner and also burn longer and hotter for a more complete fuel burn. Available horsepower, torque and fuel economy are increased, while reducing or eliminating soot output and carbon buildup.

Low Sulfur Diesel Fuel mandated by the EPA is good for the environment, but puts at risk the lubrication properties of the fuel. The only source of lubrication for injectors and the fuel injection pump is the fuel that flows through it. When sulfur and various other components are reduced to produce low sulfur diesel fuel, the results are a substantial reduction in the natural lubricating properties of the fuel itself. **Biobor®MD Diesel Performance Additive** has been tested and shows an increase in fuel lubricity of 12.5% (Ball On Cylinder Lubricity Evaluator—BOCLE). This increase protects and extends component service life, lowering maintenance costs and down time when compared to the absence of fuel lubricity in low and ultra-low sulfur diesel.

Anti-Gel components lower the Pour Point by up to 45°F and the Cold Filter Plug Point (CFPP) is reduced by up to 22°F, maintaining proper fuel flow when the fuel could otherwise gel in unconditioned fuel.

Prevents and melts ice that causes frozen blockages and downtime. Once ice is melted, any free water within the fuel system or water absorbed by the fuel are prevented from refreezing. This "anti-freezing" action keeps the fuel flowing and the engine running.

Sludge dispersants break up and dissolve fuel sediment sludge into small enough particles that will pass harmlessly through filters and injectors, enabling your fuel system to operate at peak efficiency with properly atomized fuel spray. A clean fuel system allows the engine to produce its designed optimum horsepower and torque, further increasing economy.

Controls water by allowing water and fuel to mix. Water is removed from the tank as the fuel is being used. This prevents the buildup of water from rusting, corroding, and contaminating the fuel system. Once water is removed, ice blockages are no longer a problem, and the environment for algae and bacteria is no longer present. Any water that the fuel cannot "absorb" is rejected to the tank bottom for easy removal.

Corrosion inhibitors with continued use, significantly reduce further fuel system corrosion from occurring, preventing costly leaks and spills.

Stabilizes the fuel—Biobor®MD stabilizes the fuel by keeping it "fresh", preventing sludge from forming, maintains fuel system cleanliness and provides optimum fuel quality and fuel system efficiency.



Biobor®MD enhances fuel performance, increases fuel lubricity, lowers exhaust emissions and soot output

- Increases cetane levels in fuel
- Stabilizes fuel
- Sludge dispersants clean the fuel system
- Aids engine performance level

*** -NOT A BIOCIDE-**

See BIOPOR® JF for fuel biocide treatment.



HAMMONDS FUEL ADDITIVES, INC.

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Marine Diesel Performance Additive

- Raises Cetane up to 3 numbers while combustion improvers increase fuel performance providing for a more complete fuel burn
- Increases fuel economy, which means you save money!
- Increases lubricity in low and ultra low sulfur fuel
- Increases available horsepower and torque
- Cleans the entire fuel system from fuel tank to exhaust valves
- Stabilizes the fuel, thereby preventing sludge
- Lowers Pour Point 45°F and the Cold Filter Plug Point 22°F
- Emulsifies water, thereby controlling bacteria and algae
- Inhibits tank and fuel system corrosion
- Lowers exhaust emissions and soot output
- Reduces fuel-related equipment downtime, maintenance costs and service calls



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-CONTAINER SIZES-

Biobor®MD is available in the following sizes:
16-Ounce Bottle
32-Ounce Bottle
5-Gallon Pail
55-Gallon Drum
Bulk Totes

-USAGE DIRECTIONS-

Gallons of Fuel to be Treated	Biobor®MD Dosage Level
15	2 Ounces
30	4 Ounces
60	8 Ounces
120	16 Ounces

This diesel fuel conditioner complies with the federal low sulfur content requirements for use in diesel motor vehicles and non-road engines



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