

Marine and Over-the-Road Diesel Performance Additive

BioborMD[®] 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.

Reduces Soot-BioborMD[®] is the leading soot and emissions reducing additive. BioborMD[®] reduces up to 94% of soot emissions and prevents carbon deposits on vital

Cetane Enhancer-Raises the Cetane level up to 6 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.

Adds Lubricity-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. **BioborMD**[®] 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-BioborMD® lowers 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. BioborMD® adds this "anti-freezing" action to keep 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. BioborMD® cleans fuel systems to allows the engine to produce its designed optimum horsepower and torque, further increasing economy.

Corrosion inhibitors—with continued use, **BioborMD**[®], significantly reduces further fuel system corrosion from occurring, preventing costly leaks and spills.

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

BioborMD® DOSAGE (in ounces)

Fuel to be treated (in gal.)	30	60	90	120
BioborMD® (in oz.) Initial Dosage	8	16	24	32
Maintenance Treatment	4	8	12	16

In combination with the world leader **Biobor®JF**, **BioborMD®** allows for the prevention of, and protection against microbial growth (bugs) in fuel systems. In addition, **BioborMD**[®] enables maximum performance of your engine.





enhances fuel performance, increases fuel lubricity, lowers exhaust emissions and soot output.

- Reduces soot up to 94%, for cleaner combustion
- **Marketing** Increases cetane levels by 6 points for faster fuel ignition, increased efficiency up to 6.8%
- Sludge dispersants clean the entire fuel system
- **\(\text{\Lowers Pour Point to 45}\)** and CFPP to 22\(\text{\circ}\) to maintain proper fuel flow
- Inhibits corrosion to protect fuel lines and tanks
- Adds lubricity to protect vital engine parts
- **Controls water** in fuel mix

Available in 4, 8, 16 and 32 oz containers, 5 gallon pails or 55 gallon metal drums



HAMMONDS FUEL ADDITIVES, INC. 6951 West Little York • Houston, Texas 77040 • (800) 548-9166

www.biobor.com

HFA-848



Vernon Bartlett

+27 79 524 1461

+27 71 607 7798

vernon@benveroy.com

Werner Pretorius

- **1** +27 82 927 48⊘5
- ops@benveroy.com

Unit 11 Lakeview Industrial Park Malcolm Moodie Crescent Jet Park **BOKSBURG** Gauteng Province Republic of South Africa. 1518









the **COMPLETE** Biobor® Product Line...

DIESEL FUEL TREATMENT

BioborJF® kills hydrocarbon utilizing microorganisms which cause fuel tank contamination

BioborJF® eliminates microbial growth which can clog filters and corrode metal surfaces in diesel and jet fuel $systems. \begin{tabular}{l} \bf Biobor, \bf JF^{\circledcirc} also increases fuel lubricity, an important aspect since the new EPA-mandated fuels cause a lubricity of the control of th$ decrease in fuel lubricity. This increased lubricity along with the sterilization of microbial growth in fuel leads to longer engine life, coupled with more efficient engine performance and resultant better fuel mileage.

AVAILABLE SIZES: 8 oz., 16 oz., 32 oz. exact measure bottles, 1 gallon, 5 gallon pail and 55 gallon drum.



DIESEL FUEL LUBRICITY AGENT

LubriBor® the super-concentrated lubricity agent for today's low sulfur diesel fuels

LubriBor®, formulated to improve engine lubricity and reduce engine wear, may be used in over-the-road vehicles, boats, industrial applications, construction equipment, mining equipment or farm equipment. loss of precious lubricity in todays EPA-mandated low-sulfur fuels. The low-sulfur fuels are good for the environment, but can increase diesel engine wear. LubriBeliminates this problem by acting as a super lubricate protecting the engine from wear and maintenance problems.

AVAILABLE SIZES: 16 oz. exact measure bottles, 5 gallon pails and 55 gallon drums



GASOLINE TREATMENT

BioborEB® eliminates the harmful effects of ethanol in fuel and increases engine efficiency and mileage

BioborEB® is a specificly formulated treatment for gasoline engines. Bioborth bats the negative effects of ethanol and gasoline fuel blends. Ethanol is extremely corrosive and can be detrimental to your engine if not properly blended with the gasoline in your tank. Over time ethanol will separate from the gasoline in your tank. BioborE Biobord and disperses sludge, increases fuel lubricity and eliminates the problem of fuel phase seperation. allows for better mileage with more efficient fuel combustion and lower maintenance costs for your engine.

AVAILABLE SIZES: 4 oz., 8 oz., 16 oz. and 32 oz. exact measure bottles, 5 gallon pails and 55 gallon drums









Detects microbial fuel contamination which can cause fuel tank corrosion and the clogging of vital fuel system components

The Hum-Bug Detector® Kit is an early warning system for the presence of microbial contamination in your fuel. These Hum-Bugs, (Hydro-carbon Utilizing Microbes), can cause significant damage to your engine and vital fuel system components. If the Hum-Bug Detector® Kit detects microbial contamination in your fuel, we recommend the use of Biobor, JF® (our microbiocide additive) to ensure the highest level of fuel quality is maintained in your tank.

For more information or to purchase Biobor® products, call us at (800) 548-9166. Ask for Mike.





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+27 79 524 1461

+27 71 6Ø7 7798

vernon@benveroy.com

Werner Pretorius

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