

**MEETS OR EXCEEDS
ASTM SPECIFICATIONS
FOR LUBRICITY**



BIOBOR JF®

The Worldwide Standard Since 1965

Anywhere, everywhere
diesel fuel is used
and stored...

In the fuel/All the time.

Diesel and Marine Diesel Fuels Biocide

Biobor JF® was specially formulated and introduced in 1965 to one of the harshest and most safety-conscious industries in the world, the commercial and military jet aircraft industry. For over 45 years **Biobor JF®** has maintained and even enhanced its position as the worldwide leader in the disinfection of microbial growth in both jet engines and jet fuel storage tanks, in addition to the marine diesel work boat and pleasure boat markets.

Biobor JF® has expanded its user base to include railroads, marine diesel fuels, standby power generators, construction equipment, bulk blending, bulk storage, petrochemicals, home heating oil, diesel trucking and RV's—solving fuel problems for consumers worldwide. From the U.S. and Canada, to South America, Europe and Asia, **Biobor JF®** continues to give customers the product to combat microbial growth. From jet engines on a military or commercial aircraft, to marine diesel engines on a commercial tugboat or luxury yacht, from standby power generators at a hospital to an RV power plant, **Biobor JF®** has proven itself over and over again, unsurpassed in quality, performance and dependability. The need was then...the need is now...the product is **Biobor JF®**.

Biobor JF®, the Worldwide Standard Since 1965, is a low-cost preventative maintenance additive to protect your investment, and in both new and used fuel tanks. Plus prevents rust and corrosion while eliminating the need for expensive fuel polishing. Constant use of **Biobor JF®** will keep fuel filters clean, protect rubber fuel system components, lowering maintenance costs while improving fuel effectively.

Biobor JF® also adds lubricity to all low sulfur fuels that have been mandated by the EPA. The addition of **Biobor JF®** to fuel, brings the lubricity in the fuel up to ASTM standards which again allows increased fuel efficiency.

Container sizes and dosage rates—**Biobor JF®** is available in 8 oz. and 16 oz. Easy Squeeze containers designed to dispense the exact measure every time, along with 1 quart cans, 1 gallon containers, 5 gallon pails, and 55 gallon drums. Use the following chart to calculate how much **Biobor JF®** you need for proper fuel treatment.

Fuel to be treated (in gal.)	40	100	500	1,000
Biobor® JF (in oz.)				
Maintenance Dosage	1/2	1 1/2	7	14
Shock Treatment	1	3	14	28

Other Hammonds Products—Ask your distributor about other Hammonds products:

- **BioborEB®** • **LubriBor®**
- **BioborMD®** • **HumBug Detector® Kit**

Questions? To contact a Hammonds Fuel Additives specialist, or to locate the Hammonds distributor nearest you, please call us at (800) 548-9166.



BIOBOR JF kills fungi, bacteria
and micro-organisms which cause
fuel tank contamination...

Plus

- ✓ **Works in both water and fuel phases** for a more effective kill...**the industry leader**
- ✓ **Prevents clogged filters** that shut down engines
- ✓ **Approved for military use** (MIL-S53021A)
- ✓ **Adds lubricity** exceeding ASTM standards to increase engine efficiency, protect elastomers
- ✓ **Approved** by Coast Guards worldwide
- ✓ **Recommended** by major engine manufacturers worldwide (see our website)



a **GREEN** company

Fuel Additives equal a cleaner engine, better mileage, and fewer harmful emissions.



HAMMONDS FUEL ADDITIVES, INC.

910 Rankin Road • Houston, Texas 77073 • Phone (800) 548-9166

www.biobor.com

BIOBOR® JF

RECOMMENDED BY LEADING MANUFACTURERS.

The following companies are just some who recommend the use of **Biobor® JF** as part of their standard maintenance programs...

Airlines

American
Northwest
Delta Airlines
United Airlines
Southern Airlines
National Airlines
Capital Airways
Air Jamaica
TACA International Airlines
Varig Airlines
Quanta
Aerolineas Peruanas

Aircraft Manufacturers

de Havilland, Inc.
Gulf Stream Aerospace Corp.
Boeing Aircraft
Beechcraft Aircraft Corp.
Dassault Falcon Jet
Bell Helicopter
Fokker Aircraft Corp.
LearJet Corporation
Lockheed Aircraft Company
Sikorsky Helicopter
British Aerospace Aircraft
McDonnell Douglas Aircraft
Saberliner Aircraft Corp.
AirBus Industries
Grumman Aircraft
General Dynamics - Convair Division
Douglas
Cessna

Military Operations

U.S. Army
U.S. Navy
U.S. Coast Guard
U.S. Merchant Marines
U.S. Air Force
U.S. Border Patrol

Engine Accessories and Fuel Monitoring Equipment Manufacturers

Dahl Filter Corporation
Velcon Filters, Inc.
Stanadyne Filter/Fuel Injector Systems
Airborne Fuel Filters
Consolidated Airborne Systems
Liquidometer Corporation
Minneapolis Honeywell
Simmonds Precision Products
Facet Filter
Fleetguard Filter Corporation

Fuel Service Companies

Paulsen Industries
Fuel Tank Maintenance
Fuel Tank Cleaners of Florida
Fuel Pure
National Biocide Services
I.C.E.S., Inc.

FAA Approvals of Individual Aircraft & Engines

Grumman G-159 Gulfstream Aircraft
G.E. CJ-805 Engines
Lockheed Model 1329 (JetStar)

Diesel Engine Manufacturers

Detroit Diesel Corp.
Caterpillar Tractor Corp.
International Harvester Tractor Co.
Waukesha/Dresser Engines
Cummins Engine Co., Inc.
General Motors - Diesel Engine Division
Mercedes Benz
John Deere Tractor

Aircraft Engine Manufacturers

Rolls Royce Engines
Lycoming Engine Corporation
Pratt & Whitney Engines
Allison Industries
Garrett Aircraft Engines
General Electric Engines Division
Allied Signal Aerospace Corp.
United Aircraft of Canada

Tank Manufacturers

Uniroyal Tank and Plastic, Production Division
Goodyear Aerospace
U.S. Steel Tank
Firestone Tank Division
Dow Corning Tanks
A.O. Smith Fiberglass Tank Corp.
BF Goodrich Aerospace

*The OEM's listed above recommend the use of Biobor® JF as part of their standard maintenance programs. This endorsement may appear in the Equipment Maintenance Manuals under Engine Airframes or Fuel System Care.



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