

**MEETS OR EXCEEDS  
ASTM SPECIFICATIONS  
FOR LUBRICITY**



# BIOBORJF®

The Worldwide Standard Since 1965

**TREATS MORE FUEL  
THAN THE COMPETITION**

Compare dosage charts...

## Diesel/Marine Diesel and Jet Fuels Microbiocide

**BioborJF®** 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 **BioborJF®** 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.

**BioborJF®** 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, **BioborJF®** 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, **BioborJF®** has proven itself over and over again, unsurpassed in quality, performance and dependability. The need was then...the need is now...the product is **BioborJF®**.

**BioborJF®**, 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 **BioborJF®** will keep fuel filters clean, protect rubber fuel system components, lowering maintenance costs while improving fuel effectively.

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

Container sizes and dosage rates—**BioborJF®** 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 **BioborJF®** you need for proper fuel treatment.

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



HAMMONDS FUEL ADDITIVES, INC.



**BioborJF® kills fungi, bacteria and micro-organisms which cause fuel tank contamination...**

*Plus*

- ✓ **Disperses** and prevents sludge
- ✓ **Prevents** clogged filters
- ✓ **Adds** lubricity to low sulfur fuels, exceeding ASTM Standards
- ✓ **Recommended** by airframe and equipment manufacturers around the world (**See back for current list**)
- ✓ MIL-S-53021A



a **GREEN** company

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

# BIOBORJF®

## RECOMMENDED BY LEADING MANUFACTURERS.

The following companies are just some who recommend the use of **BioborJF®** 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 Manufactures

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 BioborJF® as part of their standard maintenance programs. This endorsement may appear in the Equipment Maintenance Manuals under Engine Airframes or Fuel System Care.



HAMMONDS FUEL ADDITIVES

