The Hum-Bug Detector® Kit and BioborJF® ensure fuel supply quality...

NEWSletter



The Innovator

INNOVATION-pure and simple

THE HAMMONDS COMPANIES

MICROBIAL INFESTATION



The early warning system for microbial infestation

Microbial **contamination** in hydrocarbon **fuel** can be a serious problem for storage tanks and equipment. It can cause serious fuel storage tank **corrosion** and corrosion in pumps and injectors. It will clog filters, fuel lines and gauges and will cause seals, hoses and connections to swell and blister. **Early detection is critical** in eliminating this contamination and **avoiding costly downtime** due to equipment repair or replacement. **Early detection** of contamination protects the fuel supply quality and **prevents** fuel supply **waste**.

The Hum-Bug Detector® Kit is a low-cost, easy-to-use early warning system that will effectively identify hydrocarbon utilizing micro-organism contamination in all hydrocarbon fuels and oils. These organisms cause fungal growth in fuels and the serious hazards associated with that growth. The Hum-Bug Detector® Kit will detect microbial contamination in its earliest stages if used with a concerted fuel quality control program.

Extreme temperatures during the refining process ensure that fuel is sterile or pure at the outset. However, when the fuel is placed in a settling or storage tank where it may encounter water, there is a **potential for microbial contamination**. These **microbes** live in the interface between fuel and water and use hydrocarbons for their food source as they grow and multiply. They **alter the quality of the fuel**

and **produce acidic waste** which causes fuel tank corrosion. In order to avoid problems with the fuel supply, the presence of these microbes must be detected and eliminated. Use the **Hum-Bug Detector® Kit** to identify the presence of these microbes and treat them with **Biobor,JF®**, a microbicide additive, to eliminate fuel supply contamination. Since **Biobor,JF®** is soluble in both fuel and water, it will eliminate microbial growth in all areas of the storage facility. Use of the **Hum-Bug Detector® Kit** and **Biobor,JF®** together will ensure fuel supply quality and protect vital components of the fuel system.





The Hum-Bug Detector® Kit identifies microbial fuel contamination which can cause fuel tank corrosion and clogging of vital components

- Ensures fuel supply quality
- Eliminates costly repairs and downtime
- Low cost, easy-to-use
- Early warning detection of microbial infestation in fuel
- Detects microbial infestation in all hydrocarbon fuels and oils





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