



BIODIESEL HOME HEATING

Biodiesel, derived from vegetable oil or recycled cooking oil, is a clean-burning alternative to traditional heating oil. Like diesel fuel, **water is the leading cause of biodiesel contamination** and wrecks havoc on home heating fuel systems, leaving homeowners in the cold with costly repairs.



Biodiesel absorbs more H₂O from the environment than traditional heating oil, creating ideal conditions for naturally occurring fuel microbes to thrive and form sludge. This biomass, commonly referred to as "algae", "fuel bugs", or "microbial slime", settles at the bottom of the tank and causes significant system damage over time including tank and system component corrosion, clogged fuel filters and weakened fuel flow, which leads to reduced heating efficiency and ultimately system failure.

7 SIGNS OF CONTAMINATION

- 1 DISCOLORED or CLOUDY FUEL
- 2 FUEL TANK SEDIMENT
- 3 CLOGGED FILTERS
- 4 POOR COMBUSTION
- 5 REDUCED EFFICIENCY
- 6 HARD STARTS
- 7 FOUL ODOR

As temperatures dip below freezing 32° F (0° C), biodiesel derived from used cooking oil thickens and gels because of its protein-rich animal fat composition. Water contaminated fuel begins to freeze, causing ice crystals to form, preventing fuel flow leading to system failure.

PREVENTION & TREATMENT | AVOID A BURNER BREAKDOWN!



Store biodiesel in a clean, well sealed fuel tank to minimize exposure to air and moisture.



Annually check the fuel tank for water and sediment buildup.



Control moisture and microbial growth with a fuel additive treatment program.

BIO-AID

All-Season Biodiesel Performance Additive

- Totally Disperses Water
- Inhibits Corrosion
- Improves Cold Flow & Lubricity

● 16 OZ Treats 240 GL

BIO-POWER

Cold Weather Biodiesel Performance Additive

- Prevents Gelling
- Improves Cold Flow & Lubricity

● 16 OZ Treats 200 GL

BIO-BLAST

Biocide Performance Additive

- Kills Algae, Bacteria & Fungi
- Inhibits Microbial Slime
- Protects Against Fuel Line & Filter Plugging

● 16 OZ Treats 1,280 GL

D-GEL

Emergency Cold Weather Performance Additive

- Reliquifies Gelled & Iced Fuel
- Deices Fuel Filters
- Improves Cold Flow
- Removes Water

● 16 OZ Treats 50 GL

PREVENTION

Treat tank with additive(s) before each tank fill.

TREATMENT

For existing contamination issues & emergencies



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E-ZOIL
Biodiesel Additives



B70-16

B10-16

F10-16

B15-16

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