



LIQUI-CULT

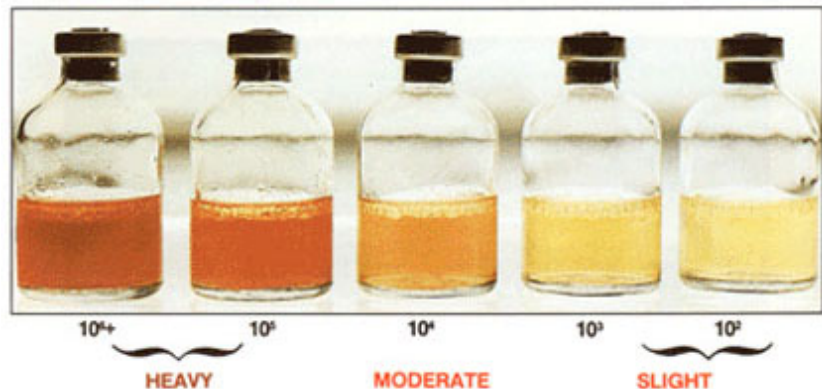
Fuel Test Kit

Directions

- 1 Capture a fuel sample in a clean dry container (sampling equipment is available from Algae-X[®]).
- 2 Remove center seal from metal cap of test bottle. Un-wrap syringe, remove needle guard and insert tip into liquid to be tested. Draw plunger back and fill the syringe with complete 5cc's of fluid to be tested.
- 3 Inject needle through rubber cap on bottle and push down on syringe plunger, completely emptying its content. Remove syringe from bottle, replacing needle guard and discard according to local, state and federal guidelines. **Shake bottle vigorously to mix fluids.**
- 4 Incubate bottle at room temperature for **30 hours for microbial growth** and **72 hours in total for fungal growth.**

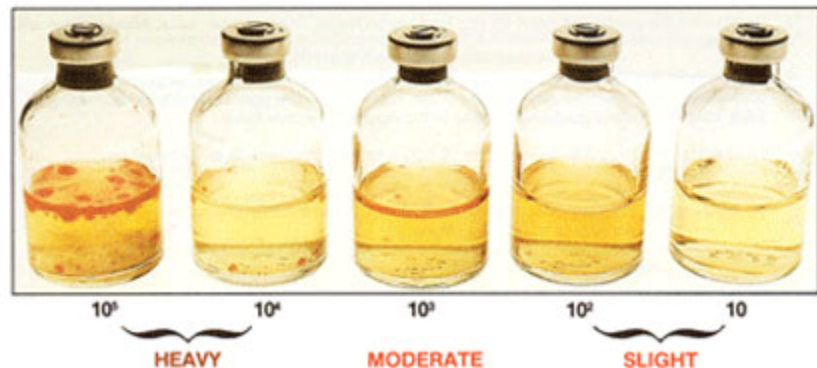
5 Bacterial growth:

After 30 hours compare the color of sample bottle to the color chart.



6 Fungal growth:

After 72 hours compare the color of the test bottle to the color chart.



- 7 **STORAGE AND DISPOSAL:** Liqui-Cult should be stored at room temperature (68-75 deg. F / 20-24 deg. C). Protect from light. Need not be refrigerated. Under a fume hood fill the bottle with bleach and let stand for 24 hours. Then discard in an appropriate manner.

LIQUI-CULT FUEL TESTING

Liqui-Cult Fuel Test kits are an excellent tool to **monitor** fuel tanks for **microbial activity**. Liqui-Cult easily demonstrates and quantifies bacterial and fungal growth in water, fuels, oil, hydraulic and other fluids.

FUEL SAMPLING

To **obtain samples from the bottom of tanks** **ALGAE-X®** offers a wide variety of **fuel sampling equipment** such as **sampling thieves (bacon bombs)** or **fuel sampling pumps**. Please refer to **Algae-X®** spec sheet "FS-100 / FS 200 Fluid Sampling Equipment" or contact us.

SYMPTOMS OF MICROBIAL GROWTH IN FUELS AND OIL

Often, the fuel in the bowl of the primary filter is dark, cloudy and contains deposits of sludge and slime often referred to as "Algae". Filter elements should last 1000 hours or more. Frequent filter replacements indicate poor fuel quality. Increased filtration efforts only address the symptoms, but will not stop the process of fuel deterioration in the tanks that leads to sludge and acid build up, corroded injectors and smoking engines. **ALGAE-X®** stops & reverses the results of this process in fuel and oil.

ALGAE-X® Fuel Management Systems recondition and stabilize fuels and oil. When implementing **Algae-X®** technology, **Liqui-Cult Test** will show that **microbial activity have greatly diminished** to non-detectable and **fuel has become "Clear & Bright"**. Each tank & every fuel system needs **ALGAE-X®**, to prevent or eliminate fuel related engine performance problems.

We also **recommend making sure there is no water in the bottom of your tank**. This can easily be achieved by using **Water Eliminators (WE)** or **Algae-X®** tank cleaning or fuel polishing systems such as **MTC (Mobile Tank Cleaning System)**, **FPS (Fuel Polishing System)** or **STS (Fuel Conditioning and Filtration System)**.

No water - No microbial activity.

ALGAE-X® FUEL MANAGEMENT SYSTEMS

1. Provide Optimal Fuel Quality for Peak Engine Performance
2. Restore fuel quality, and eliminate the effects of microbial growth, oxidation, polymerization, stratification, poor filterability, sludge build, etc.
3. Extend the life of filter elements, injectors, pumps, engines and of the fuel itself
4. Make the engines run better & smoke less
5. Prevent carbon build up in the combustion chamber, on the rings and exhaust ports
6. Lower the cost of maintenance and downtime
7. Prevent clogged filters, increasing Safety and Reliability



! WARNING ! Some fuels may have been treated with biocides. Biocides are extremely toxic and may enter the body through the skin. Use adequate protection and avoid contact.

Note: Water, fuel and sediments removed from the tank should be handled and disposed in accordance with Federal, State and Local regulations.

FOR INFORMATION, TECHNICAL ASSISTANCE AND ORDERING

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