

PRESS RELEASE

DATE: OCTOBER 2008

CONTACT: JONATHAN COX
MARKETING COMMUNICATIONS MANAGER
888.898.7187
jcox@cim-tek.com

HYDROBURN® ELIMINATES WATER PROBLEMS IN FUEL OIL

Water, lint, animal hair and dust are incredible enemies to an oil burner and can lead to unnecessary costs or breakdowns if not treated correctly. Sludge is the common term used when describing this buildup of contaminants. Water, the worst contaminate in all fuels, builds up in every fuel tank every day through condensation from atmospheric humidity or by physical intrusion. Water reduces the heat of combustion resulting in excessive soot in furnace, less efficiencies, more smoke, less power, winter freeze-ups and microbe growth. Hydroburn treatments, which are complex organic compounds, have a strong hydrophilic attraction to water. Hydroburn seeks out water droplets, breaks the bond between adjacent water molecules, and bonds itself to the individual molecule. The water molecule becomes encapsulated by a combustible shell and is heavier than the fuel, so it sinks. When the fuel is agitated the encapsulated water molecules are dispersed throughout the entire fuel tank as an innerphase suspension. Over time the water is removed as the burner runs, "burning" it off with a clean flame.

Using Hydroburn eliminates the water problems before it starts. It is a bio-chemical (green) fuel oil treatment product. Water treated adequately will not freeze. Once the Hydroburn has encapsulated the water molecule, it is bonded for life or until they are eventually burned. Kevin Hughes, the Research & Development Manager for Central Illinois Manufacturing Company, stated "Originally we had Hydroburn formulated by a third party laboratory to meet the demands of a problem gasoline station owners were having with phase separation in Ethanol blended fuels. Hydroburn is a proprietary blend developed specially for us to eliminate water problems in Ethanol. It wasn't until later our tests revealed Hydroburn works just as effective in removing water in fuel oil as it does in Ethanol blends. One molecule of water is individually encapsulated by one molecule in hydroburn. A 50/50 mixture of Hydroburn and water will burn with a clean flame. If bio-blended fuel oil (Bioheat®) is treated with Hydroburn, it

significantly reduces the chance of the water freezing and prevents the likelihood of paraffin or glycerin from forming.” Using a Blu-Flame® filter, designed to handle large amounts of particulates, along with the Hydroburn additive, eliminates downtime and maintenance costs. The home owner is happy and so are the service providers who receive fewer calls for filter change-outs or other related problems they cover in their service contracts.

For literature and technical information, call 888.898.7187. www.cim-tek.com

Central Illinois Manufacturing Company

201 N. Champaign St.

Bement, IL 61813

Bioheat® is a registered trademark of the national biodiesel board