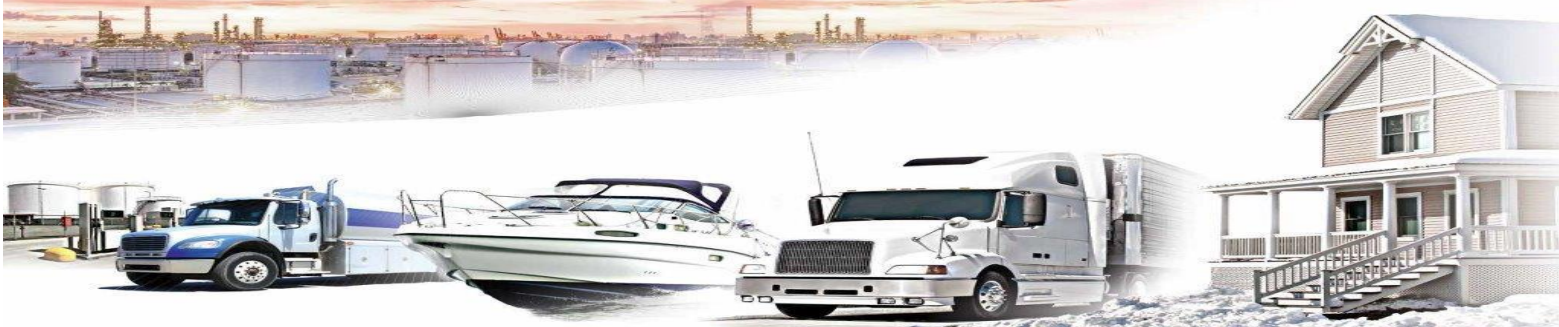


The Epicenter of Fuel Quality



EPA RELEASES ULSD ACCELERATED CORROSION STUDY

Thursday, July 21, 2016 – The EPA released its long awaited [field study](#) on accelerated corrosion of UST system components storing and dispensing ultra-low sulfur diesel fuel. The EPA found that 83% of the 42 UST systems studied had moderate to severe corrosion on metal components including; submersible turbine pump shafts, automatic tank gauge probe shafts, flapper valves, ball valves, inner walls of tanks and fuel suction tubes. While the EPA said accelerated corrosion “could be a very common occurrence” in UST systems storing diesel fuel, it acknowledged the sampling was small and cannot be used to predict whether the incidence of moderate to severe corrosion on metal components is higher or lower in retail UST systems nationwide. The EPA is recommending that owners check their diesel fuel UST systems for similar corrosion.

The EPA study did not conduct any research into possible causes for accelerated corrosion in diesel fuel UST systems.

There is currently no definitive research that has identified what causes accelerated corrosion although microbial growth is a leading factor. The Coordinating Research Council (CRC) is planning a study to research the cause of accelerated corrosion later this year. PMAA requested the CRC study to research possible causes that may occur above the terminal rack.

The PMAA ULSD Corrosion Task Force is working closely with the EPA and other industry groups to address the issue of accelerated corrosion through further study, including research into potential fuel quality issues above the terminal rack that may lead to accelerated corrosion downstream.

HEAR WHAT OUR CUSTOMERS ARE SAYING!

“We have had very good results using the AFS fuel additives at several locations now. We have been able to double the life of fuel filters which pays for the product. In additive, we are conservatively seeing a .5% improvement in better fuel mileage. With AFS working with our local fuel suppliers, the results are good. In additive, while it is still early, we seem to have a reduction in fuel related issues on the newer EPA engines.”

- James Herman,
Fleet Maintenance
Manager, Perdue
Farms

Slipstream® Premium Marine Fuel Stakes Territory in New Jersey

Advanced Fuel Solutions, Inc. (AFS) is pleased to announce the addition of six New Jersey locations to its growing roster of marinas representing Slipstream® Premium Marine Fuel.

The locations— Morrison's Marina (Beach Haven), MarineMax (Somers Point), Causeway Marina (Manahawkin), Drum Point (Brick), Southwicks (Beach Haven), and Chadwick Island Marina (Lavallette)—will be serviced by Slipstream distributor Taylor Oil Company, an early adopter of the brand.

“Slipstream is, in our estimation, the highest quality diesel and gasoline marine fuel additive available on the market today,” said Taylor Oil general manager Ron Francesconi. “Beyond the superior performance of the fuel itself, Slipstream is helping these marinas to differentiate themselves and build customer loyalty within their markets.”

Introduced to the market by AFS in 2014, Slipstream is commercially blended with fuel performance enhancers to ensure greater efficiency and improved engine performance on the water. The premium additive brand offers treatments for both gasoline and diesel engines, eliminating fuel deficiencies, optimizing performance, and reducing maintenance costs and downtime.

Slipstream marina partners have access to comprehensive signage, technical and marketing support, as well as fuel quality oversight to ensure that every gallon of Slipstream gasoline and diesel meets the highest standards of performance.



Bahr's Landing Marina, Highlands, NJ



Great Bay Marina, Egg Township, NJ

Tips for Summer Fuel Storage

Typical hot and humid summer conditions conspire to decrease the effective storage life of diesel fuel. That's especially true with ultra-low-sulfur diesel.

The growing presence of ultra-low-sulfur diesel fuel in the marketplace, along with other changes to diesel fuel composition, has dramatically shortened diesel storage life to six months or less.

This brings into play the need to treat stored diesel with diesel stabilizers to protect its quality and ensure that it remains useable when you need it at some point in the future.

There are several factors that influence petroleum storage life. At least four of these are amplified in the summer time.

1. Heat and Light Exposure

Fuel stability has everything to do with the chemical reactions happening within the fuel. All diesel fuel (and gasoline, for that matter) contains unstable molecules that seek to interact with other molecules in the fuel. This starts a chain reaction that eventually results in the fuel darkening and the formation of sludge, varnish and asphaltene deposits. The more heat present—like during the summer—the more reactions take place to cause stored diesel fuel to lose its quality and become unstable.

Treating diesel fuel in the summer months enables it to withstand the heat by stopping these reactions from happening.

2. Water Exposure

Water degrades stored fuel quality in a couple of ways. Water itself contributes to hydrolysis reactions that accelerate the decomposition of stored fuel.

Hot summer weather exacerbates water collection in storage tanks because of greater condensation at night. The air in the inside surfaces of the tank, eventually forming a water layer at the bottom of the tank.



Also, the presence of water is essential for microbes to be able to grow.

3. Speaking of Microbes

Fuel microbes proliferate faster in the summer because they like to grow in hot conditions. Fuel system problems involving bacterial infestations include plugged filters, corroded fuel injectors, and fuel starvation.

It is important to identify the location of microbiological activity, and find its root cause. Advanced Fuel Solutions can both identify and [treat](#) microbial infestations in diesel fuel systems.

4. Want to Keep Your Fuel Fresh Through Summer? Don't Forget the Stabilizer

A good diesel stabilizer is important to use in summer fuel storage for all of the reasons given above. Unstable chemical reactions happen a lot faster in the summer. A fuel stabilizer will prevent these reactions from occurring and protect stored fuel throughout the challenging summer months. In addition, a good biocide treatment will kill fuel microbes before they have a chance to establish themselves and form problematic infestations.

Upcoming Events

Mark your calendar



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Enhancing Fuel.
Powering Markets.
Growing Businesses.



August 29

Maine Energy Marketers Association Golf Classic,
Spring Meadows Golf Course, Gray, ME
www.MaineEnergyMarketers.com

September 13



Oil Heat Council of New Hampshire 51st
Annual Convention
Red Hook Brewery, Portsmouth, NH.
www.nhoilheat.com



Learn more about our Premium Marine program at
www.slipstreampmf.com