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LUBRICANTS TECHNICAL NEWSLETTER

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Power Service Fuel Conditioners

Today's fuel market includes many different specifications for diesel fuel. Diesel fuel manufactured and marketed in the United States typically ranges in specification from ultra-low sulfur to low sulfur diesel. Biodiesel is also being sold in many markets across the country and can be manufactured from a variety of different seed oils (coconut oil, soy oil, canola oil, etc). Biodiesel may also have differing amounts of biodegradable components added to it (typically 5 to 20%). Straight biodiesel (100% biodegradable) is also available.

Meeting the market's specifications for lubricity, low-temperature performance, and cleanliness for this wide range of diesel is a challenge. Refineries no longer treat diesel fuel on-site because pipeline operators now prohibit the use of lubricity agents in diesel fuel. As a result, refined ultra low sulfur fuel delivered into the marketplace varies from high to low lubricity depending upon the additive utilized and the treat rate the product terminal operator chooses.

We have elected to partner with a diesel fuel conditioner manufacturer who has the technical wherewithal to meet all fuel specification challenges. Our choice is Power Service; a premier brand of diesel fuel additives, diesel fuel biocides and diesel tank cleaners in the United States.

Lubricants USA offers the following Power Service products in a wide variety of package sizes ranging from as small as 16 ounce bottles to as large as 260 gallon totes:

- Diesel Kleen & Cetane Boost package (lubricity, cleanliness and cetane)
- Bio Kleen Diesel Fuel Biocide
- Clear Diesel Fuel & Tank Cleaner
- Diesel 911 which dissolves low temperature fuel gels*
- Arctic Express Diesel Fuel Antigel for extremely cold conditions*
- Diesel Fuel Supplement Antigel + Cetane Boost for winter use*

* Seasonal products for winter

The summer and winter grades are offered both as concentrates (dilute 1:1500) and a diluted version (dilute 1:400), allowing customers to buy a package size that meets their need to treat either a small or large amount of fuel.

Power Service fuel conditioners contain less than 15 ppm sulfur and meet all other EPA regulations for ultra low sulfur diesel fuel conditioners.. In addition, these conditioners are suitable for use in off-road low sulfur diesel.

Biodiesel has excellent lubricity, but this type of fuel is subject to rapid bug growth if tanks are not well maintained. **Power Service Bio Kleen Diesel Fuel Biocide** is an effective means to stop and prevent bug growth in all diesel fuels including biodiesel.

Winterizing biodiesel is a challenge since biodiesel traditionally has poor low temperature properties. **Power Service Arctic Express Diesel Fuel Antigal** has a winter benefit of preventing fuel gelling in temperatures as low as -40 F and equals the performance of a 50/50 blend of No. 2 and No. 1 diesel fuel when used at the recommended treat. It provides anti-icing and it also lowers the cold-filter plugging point and keeps fuel-filters from plugging with wax. It is effective in all diesel fuels, including biodiesel blends containing up to 20% biodiesel.

Instructions on how to effectively use each Power Service product is shown on each product label. Data sheets and MSDS for Power Service fuel conditioners are on our web site, www.finalube.com. Products not shown on our web site are seasonal products.

For pricing, package sizes and availability please contact your District Sales Manager or local distributor.