



Delivering Quality Products & Superior Service for Over 50 Years!

A close-up photograph of a stream of golden-brown fuel being poured into a tank, creating ripples and splashes on the surface.

Fuel Polishing Services

Over time, bacterial matter, contaminants and water can build up in your fuel storage tanks, leading to problems that include tank corrosion, the degradation of fuel supplies and potential damage to vehicles and equipment. SSI Petroleum can provide proactive measures to prevent these problems.

These include the filtration process known as fuel polishing and the use of specific additives to remove residue from tanks, stabilize fuel from future degradation and restore both diesel and gasoline supplies to their original condition.

THE PROBLEM: BAD FUEL

Water contamination is a problem that plagues stored diesel, gasoline and aviation fuels. How does water get into a fuel tank? It could be leaky tank openings or the addition of fuel that already had a high water content. But the most frequent cause – and one that affects even the best-maintained tanks – is condensation. Changing air temperatures create water droplets inside the tank. Because water is heavier than fuel, this condensation accumulates at the bottom of the tank.

In diesel and jet fuel tanks, water creates bacterial and fungal growth that can clog filters, shut down engines, and generate corrosive sludge that damages tank fittings and engine parts. This problem is more pronounced in modern diesel engines designed to run on low-sulphur fuels, which are more susceptible to microbial growth. Jet fuel supplies face similar problems with microbial growth and are also particularly susceptible to water absorption.



Blended ethanol fuels are notorious for attracting water. In addition, higher-octane ethanol content in the blend separates from the lower-octane gasoline over time, leading to performance problems and engine failure. Choosing ethanol-free gasoline helps, but there's still the problem of water condensation within the tank.

Particulate contamination is an additional concern for stored fuels. Contamination such as dust, rust and insects may come from outside sources, or from internal corrosion of metal parts and degrading rubber lines and fittings.

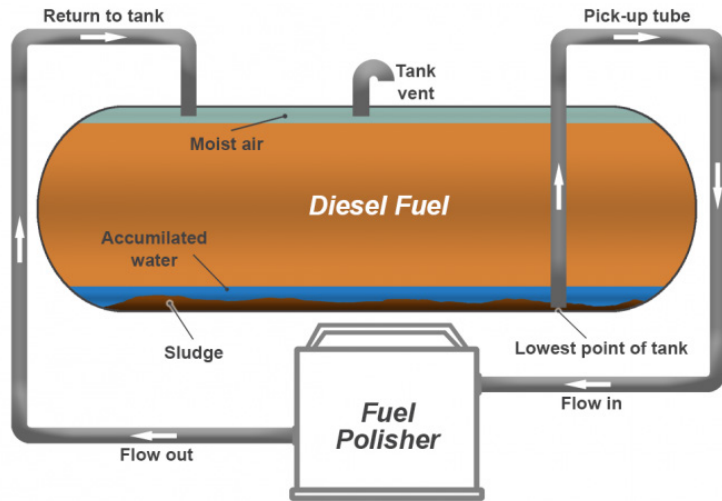
Our system will remove water from fuel to an industry-best 50 parts per million.



Early detection can prevent problems that could lead to shutdowns or expensive engine damage. Many owners and operators have learned the value of our periodic fuel testing and analysis to determine if polishing is needed.

THE SOLUTION: FUEL POLISHING FROM SSI PETROLEUM

With the right equipment and expertise, dirty or water-laden fuels can often be restored to their original condition. The process is known as fuel polishing. We begin with an analysis of the contents your tanks to create a plan of action. Contaminated fuel can usually be saved.



Our specialized equipment is then brought on-site to pump stored fuel through a series of filters and water separators. At a minimum, filtration should remove solids to a size of 2 microns or less, and the best systems can filter out particles down to 1 micron in size.

Water removal is equally essential to successful fuel polishing, as even small amounts of remaining water can promote rapid bacterial regrowth in cleaned fuels. A first-class polishing system will remove water from fuel to levels of less than 100 parts per million.



With our equipment and expertise, dirty or water-laden diesel and gasoline can often be restored to original condition.

The filtration process removes solids but doesn't actually kill the bacterial microbes that create the problem. To rid tanks of bacteria, biocides and other additives are injected into the fuel as it is returned to the tank. Some additives are designed to remove residual contaminants from the walls of tanks and internal baffles, while others eliminate the microbes. Any fuel polishing service that does not include an additive strategy is incomplete and will hasten the process of recontamination.

WE BRING FUEL CLEANING SERVICES TO YOU

SSI Petroleum utilizes two state-of-the-art fuel polishing systems deployed to your location.

Smaller installations can be serviced by our compact system, which processes 900 gallons per hour. This system delivers the same industry-leading performance as our larger units and at the same time can easily access fuel storage systems in more confined areas as well as waterfront locations like marina and residential slips with limited space.



For larger jobs we use we use a system that processes 4500 gallons per hour. This system is designed to clean large tanks and polish sizeable quantities of fuel, using a high-efficiency pneumatic system that excels in separating both free and emulsified water from the fuel down to less than 50 parts per million, while filtering particulate matter from fuel down to an industry-best 1-micron size.



We Fuel Florida



SSI PETROLEUM SERVES ALL YOUR FUEL AND LUBRICANT NEEDS

In addition to providing industry-best fuel polishing services, SSI Petroleum carries a full line of premium fuels and lubricants, which can be delivered to locations across the State of Florida. To learn about our full suite of products and services, contact us today.

STATEWIDE COVERAGE

Office Locations

- West Palm Beach
- Belle Glade
- Winter Haven

Fuel Terminals & Remote Yards

- Port Everglades
- Port of Palm Beach
- Port of Tampa
- Taft Terminal
- Port Canaveral
- Port Manatee
- Port of Jacksonville



SSI Petroleum and its subsidiary Palm Beach Marine Fuel, is Florida's leading provider of fuels, lubricants, additives, waste removal, maintenance and a range of other services. Contact us for all your fuel and lubricant needs.

¡Se Habla Español!