



*From Center Consoles to Megayachts, We Have You Covered*

A close-up, high-contrast photograph of fuel being poured from a nozzle into a tank. The fuel is a bright, golden-yellow color, and the pouring action creates a dynamic splash with many small, glistening droplets and ripples on the surface of the liquid already in the tank. The lighting is dramatic, highlighting the textures of the fuel and the metallic surfaces of the nozzle and tank.

## Fuel Polishing & Pump-out Services

Over time, contaminants from bacteria, improperly filtered fuel and water intrusion can build up in your fuel tank, leading to problems that include corrosion, loss of engine performance, shutdowns and costly engine damage.

The good news is that Palm Beach Marine Fuel can provide preventative measures to avert 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 to their original condition.





## THE TROUBLE WITH WATER

Water contamination is a problem for both diesel and gas-powered boats. In diesel 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 engines designed to run on low-sulphur fuels, which are more susceptible to microbial growth.

Blended ethanol fuels create their own set of problems for boat owners. Ethanol is notorious for attracting water. In addition, the higher-octane ethanol in the mix separates from the lower-octane gasoline over time, leading to performance problems and engine failure. Using ethanol-free gasoline helps, but there's still the problem of water condensation within the tank.

## WHEN IS FUEL POLISHING NEEDED?

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.



Don't wait for trouble to manifest before engaging our services.



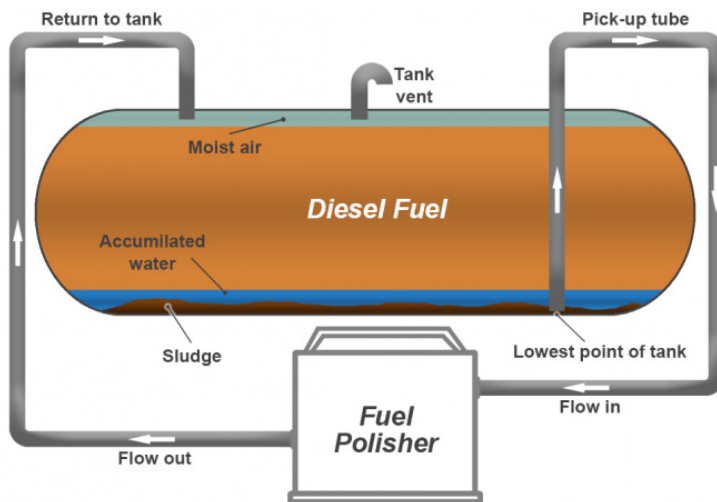
- Vessels coming out of seasonal storage should have tanks checked for contamination, as even properly stabilized fuels may suffer degradation over a period of months. This is especially important for vessels stored with near-empty fuel tanks, as the air space in tanks promotes condensation and the resulting water separation and microbial growth.
- Vessels offloading from yacht transport ships should consider fuel polishing an integral part of the refueling process. Transport services request vessels be loaded with minimal fuel during transport. The combination of near-empty tanks and marine air creates an ideal environment for fuel degradation. Fuel polishing cleans residue from tanks while also ensuring that the remaining fuel is pure and free of contaminants.
- Fuel polishing is a good idea for vessels returning from destinations where they may have been forced to fuel from sub-standard or suspect sources.

## STATE-OF-THE ART FUEL POLISHING SERVICES

Palm Beach Marine Fuel comes to you to clean fuel supplies with white-glove service.

We first analyze the contents of your tanks to create a plan of action. Contaminated fuel can usually be saved, and when analysis reveals a high level of microbial growth, we will add bacteria-killing additives to eliminate the problem at the source.

We may also recommend additives that remove residual contaminants from the walls of the tank. Any fuel polishing service that does not include an additive strategy is incomplete and will hasten the process of contamination.



Our filtration process removes both the water that has accumulated at the bottom of the tank and moisture suspended in the fuel. This step is essential to successful fuel polishing, as even small amounts of water remaining in the tank can promote rapid bacterial regrowth in cleaned fuels.

We also filter out any contamination, including dirt, suspended biological residue, and the asphalt-like sludge that can form in diesel tanks.



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

Our polishing equipment puts pressurized fuel through an increasingly fine series of filters. At a minimum, filtration should remove solids to a size of 2 microns or less, and the best systems such as ours can filter out particles down to 1 micron in size.

For larger vessels 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.



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

For smaller yachts, sportfishing convertibles, and center consoles are 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 marina and residence slips, and any other waterfront locations with limited space.







## FUEL DELIVERY, PUMP-OUT & OTHER SERVICES

In addition to providing industry-best fuel polishing services, Palm Beach Marine Fuel provides a full line of premium marine fuels and lubricants, which can be delivered to marina slips, residences, commercial wharfs and other waterfront locations. We also offer fuel pump-out service for vessels prepping for yard work or yacht transport. To learn about our full suite of white-glove services, contact us today.



Palm Beach Marine Fuel is a subsidiary of SSI Petroleum, 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.



*Serving South Florida -  
from Indian River County  
down to Monroe County*

¡Se Habla Español!

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