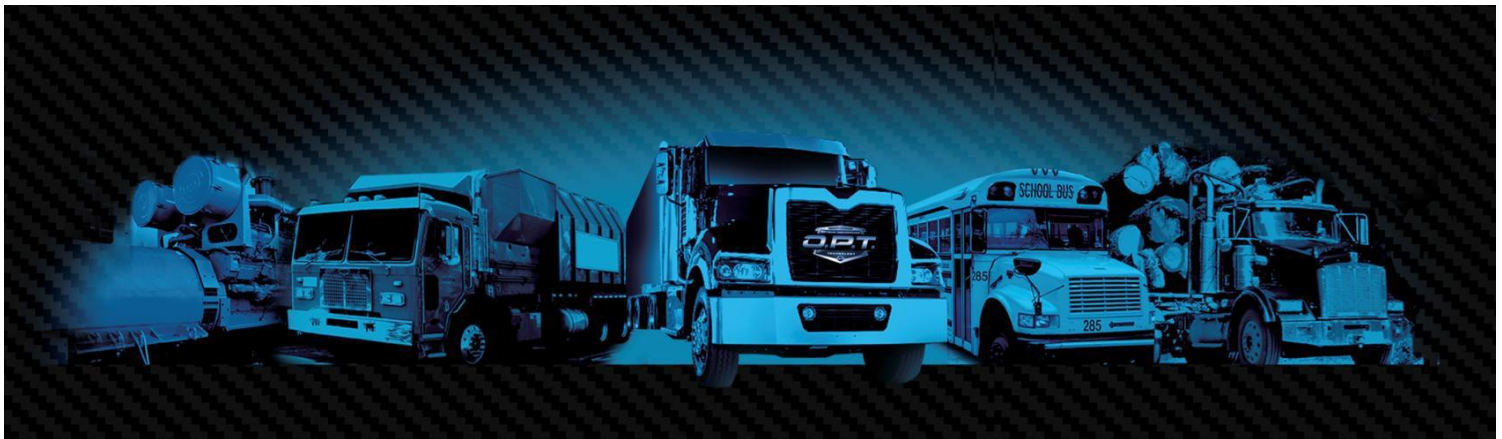
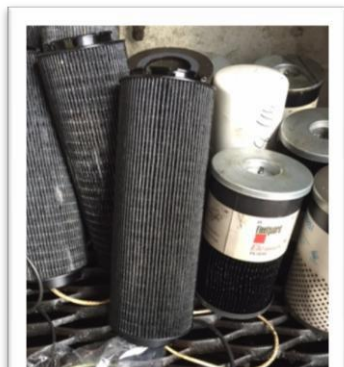


# OPTIMUM PERFORMANCE TECHNOLOGY OPT-AF



In a recent field visit with a new customer, Eastern Shore Transport, we had the pleasure of speaking with the owner and mechanic about the results of a Proof of Concept designed to improve their fuel economics and reduce their maintenance costs. They were delighted with improved cleanliness of their fuel filters and EGR valves.

The company is running 20 Tri-Axel Peterbilt dump trucks with Paccar engines. The pictures shown below demonstrate how the filters looked after 2 months of treatment with OPT-AF. We think you'll agree there is a visible difference.



Aug. 2016 Pre-Treatment filters

Fuel Economics	
Beginning MPGs	7.0
After 30-days	7.1
Improvement %	1.4%
Fuel Savings/per gallon*	\$0.035

\*Based on average cost of ULSD @ \$2.50 per gallon

The lead mechanic stated, *"Prior to the OPT-AF treatment, I was changing out fuel filter sets on most of our trucks prior to the normal scheduled PM. In addition I had to send out 2 to 3 trucks a month to the Peterbilt shop to have EGRs and Doser valves serviced due to exhaust particulate buildup in the DPF."*



Oct 2016 Post-Treatment

Due to low Exhaust Gas Temps (EGTs), the vehicles required several costly active DPF (diesel particulate filter) regens. This process takes about 45 minutes with the truck moving plus the expense of diesel fuel being pulsed to raise the EGT to burn off the soot in the DPF. If the driver needs to stop, the active regen will cease, requiring a parked regen which can be even more expensive.

The silent challenges of Fuel vs Technology? Learn more about the impact of high pressure and heat during the combustion process and the potential impact of this phenomenon on combustion and the exhaust systems.

- ✓ Black filters
- ✓ Fuel injector failure
- ✓ Shortened fuel filter PMs
- ✓ Loss of power & performance
- ✓ Dirty or malfunctioning EGR's
- ✓ Doser valve active regens of DPF exhaust sensor

**CALL THE AFS TECHNICAL TEAM AT 978-258-8360 FOR MORE INFORMATION.**

**Advanced Fuel Solutions**

**[www.yourfuelsolution.com](http://www.yourfuelsolution.com)**