

## Diesel Fleet Fuel Additive Program

**Amalgamated, Inc** has been conducting a diesel fuel performance additive treatment program with a 50 vehicle heavy duty fleet in southeastern USA for the past few years. This successful program has led to the expansion of the program to a second terminal servicing 100 additional vehicles in the same fleet.

While the test program started with a desire of the fleet manager to increase fleet fuel efficiency, the intent of the program quickly moved to a reduction in fuel related maintenance costs.

The original 50 vehicle terminal experienced various typical maintenance issues such as:

1. **Multiple Fuel Injector replacements**
2. **Frequent Diesel Particulate Filter (DPF) regenerations**
3. **Numerous Doser Valve replacements**
4. **High number of EGR Valve replacements**

The 50 vehicle terminal fuel economy average was 4.048 in the months prior to introduction of the custom formulated diesel fuel additive. During the first six month half million miles using the **Amalgamated, Inc** diesel fuel additive, the test terminal's fuel economy averaged 4.342 for a **+7.263 percent increase**. The MPG improvement has increased to **+7.72 percent** during the second eighteen months with continued use of the additive.

The previously experienced maintenance issues have seen the following improvements:

1. **A 92% reduction in Fuel Injector replacements**
2. **A 91% reduction in DPF Regenerations**
3. **A 88% reduction in Doser Valve replacements**
4. **A 75% reduction in EGR Valve replacements**

These maintenance cost savings alone more than off-set the cost for the diesel fuel additive, so the fuel economy improvement (reduction in fuel usage) represents additional 'net savings' for the fleet.

The fleet's second 100 vehicle terminal began treating their diesel fuel with the same custom formulated additive on March 7, 2013. The data for the first two and one half weeks of treated diesel fuel usage already indicates a **25.7 percent reduction** in DPF Regenerations. Additional maintenance savings data and fuel economy improvement will be reported at the end of the month.

**Amalgamated, Inc** would welcome the opportunity to set up a program with your organization to demonstrate the benefits of this additive in your fleet. Please contact us at 260-489-2549 or email us through our web site at [www.amalgamatedinc.com](http://www.amalgamatedinc.com).