

Dipetane Fuel Technology Performance Testing

Testing Conducted By: Windward Petroleum
Location: Manchester, NH
Report Date: June 29, 2007
Number of Vehicles: 19
Vehicle Type: Class 6 & 7 straight trucks; diesel engines

Results: 14% increase in fuel economy

Testing Overview

After establishing a mileage baseline on 19 company owned trucks during weeks 1-5, Dipetane Fuel Technology was added to Windward's bulk fuel storage tanks at a ratio of 1:200 as per manufacturer's blending specification. All subsequent fuel deliveries during the testing period were treated with Dipetane at the same blending level during weeks 6-28.

Data was collected, by Windward, on a monthly basis to include total fuel consumed and miles driven by each individual truck for the entire test period. Results were reported via documentation provided by Windward Petroleum.

Summary Conclusion

Windward Petroleum has completed a 28 week fuel economy study utilizing Dipetane Fuel Technology. Windward found a 14% increase in fuel economy.

In a study of 19 diesel over-the-road company owned delivery trucks, the actual amount of fuel and miles driven were recorded at each fueling. The fleet averaged 6.23 miles per gallon at the outset of the study period. Fuel performance increased to an average of 7.07 miles per gallon by the end of the study period. To put these results into perspective, the 14% savings is equivalent to fueling 1 in 7 of the company's trucks for free, or getting free fuel for 4 weeks of the 28 week test period.

The test results were calculated and reported by Windward Petroleum staff, which monitored the performance of the trucks throughout the study period. During the early portion of the study, performance improvement was less dynamic, however by the latter half, the improvement was well demonstrated.

Additional Information

The Dipetane was supplied by Dipetane Northeast, the Dipetane supplier to New England. Dipetane Northeast representatives state that the strong performance in the latter portion of the study is typical of fleet improvement explaining that Dipetane takes a period of time to clean the carbon deposits from the combustion chambers, after which the fuel economy and power are more dynamically seen. Once cleaned up, the trucks will maintain the higher level of performance.

Dipetane is a long established fuel improvement technology that originated in Ireland in the late 1980's and has been used by major companies in Ireland for the past 15 to 17 years. With the continued increased levels of fuel prices in the US, Dipetane now makes more economic sense to the US fuel users. In addition to the economic benefit, Dipetane significantly reduces greenhouse emissions.

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