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## All American Asphalt Report

This test was conducted in conjunction with All American Asphalt, a southern CA paving company. The baseline data was taken by for 14 fill-ups prior to the start of testing. 2 trucks were tested. Both trucks had the same drivers while establishing a baseline and during the test. These trucks had varying destinations each day. They also had different loads several times each day. Truck #2020 was used for 2 shifts per day. Each day of testing, the same driver filled up. The other driver never fueled during testing. Truck #1041 was only used for one shift per day.

A standard deviation was used to determine the validity of the data. The baseline fuel mileage was then calculated removing the invalid data. After testing the same method was used to determine the validity of data during the time period that GFT was used.

### Baseline Data

- The baseline data was collected the month of August 2012, and was adjusted for standard deviation
- Truck #2020 traveled 2032 miles, and truck #1041 traveled 2173 miles during this time
- During this time, fuel consumption for #2020 was 387 gallons and truck #1041 was 404 gallons
- When adjusted for invalid data this baseline was 5.46 MPG and 5.38 MPG

### Test Data

1. The test ran approximately 2 weeks during the month of September 2012
  - Truck # 2020 had the following results, adjusted for standard deviation the same as in calculating the baseline
    - Fuel use was 418 gallons
    - Miles driven was 2508
    - Ave consumption was 6.00MPG an improvement of 9.9%
  - Truck #1041 had results adjusted in the same manner
    - Fuel use was 123 gallons
    - Miles driven was 744
    - Ave consumption was 6.05MPG an improvement of 12.4%



## Conclusion

Both trucks showed a consistent increase in fuel economy. Based on the number of trucks owned by the company, the savings realized in this test, and an average price of \$3.70/gallon, All American Asphalts stands to gain a net savings of at least \$185,00 per year. When they experience the typical 15% gross savings that most companies do, this number climbs to \$370,000 per year.

