MESILLA VALLEY TRANSPORTATION SOLUTIONS
Fuel Economy Experts

575-405-5015
www.m-v-t-s.com

Hirschbach Motor Lines is projecting $8.4 million in fuel cost savings based on testing by MVT Solutions.

Hirschbach

Hirschbach Motor Lines, based in Dubuque, Iowa, is a privately owned truckload carrier with 2,000 tractors and 3,500 trailers. The company provides refrigerated services to all 48 states with a special focus on high-density lanes throughout the eastern U.S. as well as dedicated, short, regional and long haul service with refrigerated, dry freight and specialized equipment.

"By using MVT Solutions for testing we are realizing a 10.5% improvement in MPG compared to our baseline by deploying a combination of trailer aerodynamic technologies. Once the entire fleet is fitted with the solutions, we expect fuel savings of 2.8 million gallons annually. Today, we will not make that kind of decision without MVT Solutions being involved because we appreciate, respect and rely on their technical expertise and background in the practical application of fuel savings technologies."

Brad Pinchuk
CEO & President
Hirschbach Motor Lines

CHALLENGE

To evaluate potential fuel saving technologies in terms of what makes the most sense from an ROI standpoint—

Hirschbach Motor Lines sought fuel economy test results on a variety of fuel related tractor and trailer components, including various aerodynamic devices from different manufacturers. In particular, the carrier needed accurate data on the effect of different trailer skirts, under carriage devices, rear trailer devices, wheel covers and mud flaps.

SOLUTION

Over the past three years, Hirschbach Motor Lines has used MVT Solutions for fuel testing and for access to test results. In some cases, the carrier commissioned more comprehensive testing to validate results of other tests.

"We like that MVT Solutions is in the trucking business as well, and that it has one of the highest performing fleets in the industry speaks for itself. It means they are vested in producing accurate, independent results. With their fleet experience there's more to the ROI they identify than just the impact on fuel economy. They can identify unforeseen costs that only a fleet would know to consider. We believe MVT Solutions produces results we can expect to see in our fleet in real world operations."

Brad Pinchuk
CEO & President
Hirschbach Motor Lines

RESULT

Saving a projected $8.4 million annually—

By using MVT Solutions for testing and test data on various trailer aerodynamic devices, Hirschbach Motor Lines is projecting a 10.5% improvement in MPG. Once the entire fleet is fitted with the solutions and traveling over 215 million miles per year, at $3 per gallon the expected fuel savings will total 2.8 million gallons or $8.4 million annually.

MVT Solutions also tested fuel use for APUs on Hirschbach Motor Lines tractors and found that with actual hotel loads consumption was much higher than what was expected.

Another test for Hirschbach Motor Lines by MVT Solutions measured fuel use during regeneration for Diesel Particulate Filters to identify how the difference in the frequency of regeneration and the time it takes from different manufacturers impacted overall fuel economy.

Hirschbach Motor Motors Line has found that the cost of the testing with MVT Solutions is insignificant compared to the savings they can realize with proven technologies. Even if the testing shows that there is not any value to a certain component they are saving by not spending money unnecessarily.

MVT Solutions is a provider of breakthrough fuel economy testing and design and development services for the trucking industry. The company provides fuel economy testing developed from race car engineering and advanced vehicle test methods using sensors and recording systems that collect data on fuel consumption, aerodynamics, rolling resistance, driver behavior and other variables that affect fuel consumption. The data is analyzed using proprietary methods.

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