

MVT Solutions Validates Ex-Guard's Performance

Bumper protection system evaluations prove that some Ex-Guard grille guards have no negative impact on fuel efficiency

Las Cruces, New Mexico – May 15, 2019 – MVT Solutions, a provider of breakthrough fuel economy testing and design and development services for the trucking industry, today announced that its evaluation of the Ex-Guard LT series grille guards, manufactured by Ex-Guard Industries, provides front end damage protection to trucks which have little to no negative impact on the trucks overall fuel efficiency.

“Our testing found the Ex-Guard LT-325 grille guard had no discernable effect on fuel economy while the LT-350 had only a small negative impact of -0.51%, which is a smaller impact than the tractor’s side mirrors,” stated Daryl Bear, lead engineer & COO at MVT Solutions.

“The results are what we expected based on feedback from fleets that already use our product, but we asked MVT Solutions to quantify the fuel consumption impact of our grille guards in an attempt to completely alleviate any concerns about MPG loss with our guards,” Dennis Geipel, a representative from Ex-Guard added. “We chose MVT Solutions for these trials because of their reputation in fuel economy testing and wanted to eliminate any questionable variables that might have remained. These verified results will now allow fleets to make a well-informed decision about adding Ex-Guard grille guards based on their ability to prevent costly front-end damage.”

The certified testing by MVT Solutions was 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 MVT's proprietary methods.

For the Ex-Guard evaluations, two test vehicles ran simultaneously at 65 MPH on a 9-mile circle track. The 2019 International LT models were specified with Cummins X15 engines and Eaton 10-speed automated manual transmissions. The tractors pulled 53-ft Hyundai dry vans equipped with Michelin Energy Guard aerodynamic systems, and both tractors and trailers were fitted with single wide-base tires.

“Typically, interfering with the airflow on a vehicle can impact fuel economy significantly,” said Daryl Bear. “However, Ex-Guard products minimize their affect on aerodynamic drag because they are mounted several inches away from the front of the vehicle and are designed with round tubing, allowing air to continue flowing. Ex-Guard grille guards are not a fuel saving product, but our testing

should provide fleets with the confidence to consider their use based on maintenance and operational costs as opposed to fuel economy losses.”

About MVT Solutions

MVT Solutions, a subsidiary of Mesilla Valley Transportation, provides fuel economy testing based on race car engineering. This high-tech testing methodology can obtain accuracy up to .25% and accounts for such variables as wind, driver behavior and duty cycle. With over 300 fuel economy tests conducted to date, the company’s proven approach provides highly reliable and consistent data that enables trucking companies to make more informed choices and manufacturers to design and develop products backed by accurate fuel efficiency information that customers trust. MVT Solutions also provides consulting services to fleets looking to implement the right fuel-savings technologies for their operations. MVT Solutions was founded in 2016 and is based in Las Cruces, New Mexico. To learn more about MVT Solutions and for the latest in fuel efficiency news, visit www.m-v-t-s.com.

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