

Improve Fuel Management and Track Carbon Emissions

The industry-leading Trimble GeoManagerSM Fleet Productivity & Management solution has always enabled its customers to save on fuel costs by improving routing, eliminating unauthorized vehicle use, ensuring proper vehicle maintenance, and curbing excess speeding and engine idling. The Advanced Fuel and Carbon Emission Management service package for GeoManager now takes fuel management to a higher level, providing more detailed reports and real-time notifications on driver behavior, vehicle performance, fuel economy and carbon emissions to help customers save even more on fuel and support green fleet initiatives. The package also helps companies streamline quarterly fuel tax reporting by providing data on miles driven in each U.S. state.



Key Benefits

- Save on variable operating costs by managing fuel consumption
- Identify and correct driving behaviors that cause poor fuel economy
- Support green fleet initiatives and comply with environmental regulations by monitoring carbon emissions
- Save administrative costs by simplifying quarterly state mileage tax reporting
- Create driver scorecards to promote driver accountability and safety as well as fuel savings

Manage Fuel Use and Driver Behavior

According to the U.S. Department of Energy, aggressive driving activities like speeding, rapid acceleration and hard braking can lower a vehicle's highway gas mileage by 33 percent. This excessive use of fuel is costly and contributes to higher carbon emissions. The Advanced Fuel and Carbon Emission Management package offers unprecedented detail into how a vehicle's fuel economy is affected by vehicle engine speed, road speed, power take-offs and time spent in sudden acceleration. Reports include a comparison of each driver to company averages and benchmarks, as well as a driver scorecard that shows driver behavior patterns and deviations over time. You can use this information to correct fuel-wasting behavior, which will also improve driver safety and accountability.

Support Green Fleet Initiatives

Through reports showing the carbon emissions of each vehicle in your fleet, the Advanced Fuel and Carbon Emission Management package enables you to be proactive about supporting green fleet initiatives and complying with changing environmental regulations. As an increasing number of customers become concerned about the carbon footprint of their service providers, it is a competitive advantage to be able to measure your fleet's carbon emission levels. Since better fuel economy means lower carbon emissions, the steps you take to improve your fuel management also help you reduce your load on the environment—and in turn improve customer loyalty.

Easily Track State Mileage

For Trimble customers in the United States, the Advanced Fuel and Carbon Emission Management package offers the benefit of tracking the mileage driven in each state for each vehicle in your fleet. The State Mileage Report automatically tallies state-by-state miles for a designated reporting period and integrates with fuel tax reporting software for easier and more accurate quarterly tax report filing.

Reports, Exceptions and Alerts

- **Fuel Usage Summary Report** * – Shows each driver's average fuel economy, percentage of time spent idling and percentage of time spent in sudden acceleration, comparing each driver to company averages and benchmarks.
- **PTO Fuel Usage Report** † – Shows the duration and amount of fuel used for each incidence of a vehicle's PTO (Power Take-Off). Requires the Sensor Connect service package.
- **Trip Report** ‡ – Allows you to evaluate driver and vehicle performance from one trip to another by comparing speed, RPM, distance, PTO usage, fuel efficiency and idle time.
- **Time Period Evaluation Report (Driver Scorecard)** * – Provides a comparison of a baseline time period to the following six days or weeks, allowing you to identify driver performance as well as behavior patterns and deviations.
- **Sudden Acceleration Exception Report** * – This Exception report is triggered when a speed increase at a higher than acceptable rate is detected. You can view Exception reports in real time through GeoManager or receive instant alerts to your email or mobile device.
- **Engine Speed / Road Speed Reports** * – Displays engine speed (RPM) and miles per hour information to show how a driver is using a vehicle and whether there is excessive idling or speeding. Various versions of this report show these details from the point of view of the vehicle's total distance driven, engine cycle duration, fuel used by gallon or fuel economy (miles per gallon).

- **Carbon Emission Reports** † – Computes the carbon emissions during individual trips or during a specified time period, enabling you to measure and track carbon emissions for the support of green initiatives and customer requests. Requires the Advanced Engine Diagnostics service package.
- **State Mileage Report** – Tracks the mileage driven in each U.S. state for each vehicle during the selected reporting period. This report integrates with fuel tax reporting software, which is helpful for customers who file quarterly tax reports.

* Requires Trimble iLM® 4500 onboard computer system

† Requires Trimble J-bus connection or Trimble iLM 4500

‡ Requires Trimble OBD II connection, J-bus connection or Trimble iLM 4500

| Comparison Information | | |
|--------------------------|--------------------|---------|
| Report Summary | Comparison Average | Percent |
| Average Economy (mpg) | 6.23 | 3.8% |
| Cruike % Distance | 21.13% | 0.05% |
| Fuel Used % Distance | 70.23% | 12.03% |
| Idling % Time | 61.83% | 16.10% |
| Idle % Time | 32.28% | 20.07% |
| PTO % Time | 0.00% | 0.00% |
| Cruike % Driving Time | 11.07% | 0.07% |
| Fuel Used % Driving Time | 70.45% | 16.07% |

Fuel Usage Summary Report

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