1. Trip Reporting (General Overview)

The trip reporting feature is designed to monitor, collect, and store engine related operational information. This information can be downloaded and organized into useful reports using a service tool.

The document will address unique trip reporting functionality for International® MaxxForce™ 11 and 13 engines.

There is no programmable parameter setup required.

1.1. Feature Codes

N/A

2. Definitions/Acronyms

The following terms are referenced in this document:

- **ECM** – Engine Control Module
- **PTO** – Power Take Off
- **A/T** – Aftertreatment

3. Description and Operation

3.1. Operation

Trip reporting operational data is recorded in two ways; non-resettable cumulative data which consists of running totals, and resettable trip data which consists of data collected since the last trip reset.

3.2. Feature Interaction

This feature will be impacted by some vehicle setup parameters. These are described in the vehicle setup documentation.

4. Programmable Parameters

4.1. Cumulative Data

The following programmable parameters consist of non-resettable "running total" (i.e. life of vehicle) data that may not be changed without dealer authorization.

Parameter Name	Description	Possible Values	Customer Programmable?	Recommended Setting
Total Engine Run Time (8301)	Indicates the total time that the engine has been running.	N/A	NO	N/A
Total Engine Distance (8330)	Indicates the total distance that the engine has traveled.	N/A	NO	N/A
Total Vehicle Distance (8302)	Indicates the total distance that the vehicle has traveled.	N/A	NO	N/A
Total Fuel Used (8300)	Indicates the total fuel consumed.	N/A	NO	N/A
Total Fuel Economy (8339)	Total ECM recorded fuel economy.	N/A	NO	N/A
Total Idle Time (8342)	Indicates the total engine run time at idle.	N/A	NO	N/A
Total Idle Fuel Used (8343)	Indicates the total fuel consumed while the engine has been at idle.	N/A	NO	N/A
Total PTO Run Time (8314)	Indicates the total time that the PTO has been active.	N/A	NO	N/A
Total PTO Fuel Used (8313)	Indicates the total fuel consumed while PTO has been active.	N/A	NO	N/A

Total A/T Parked Regen Requests (8305)	Indicates the total number of aftertreatment (A/T) parked regeneration operator requests.	N/A	NO	N/A
Total A/T Regen Inhibit Requests (8306)	Indicates the total number of aftertreatment (A/T) “regeneration inhibit” operator requests.	N/A	NO	N/A
Vehicle Over Speed #1 Incidents (8328)	Indicates the total number of occurrences when the vehicle has exceeded a programmed vehicle speed limit.	N/A	NO	N/A
Vehicle Over Speed #2 Incidents (8329)	Indicates the total number of occurrences when the vehicle has exceeded a programmed vehicle speed limit.	N/A	NO	N/A
Hard Brake Incident Monitor (8327)	Indicates the total number of hard brake occurrences.	N/A	NO	N/A

4.2. Trip Data

The following programmable parameters consist of data collected since the last trip. The programmed values may only be cleared using a service tool reset.

Parameter Name	Description	Possible Values	Customer Programmable?	Recommended Setting
Trip Engine Run Time (8355)	Indicates the time that the engine has been running since the last trip reset.	N/A	NO	N/A
Trip Vehicle Distance (8340)	Distance the vehicle has traveled since the last trip reset.	N/A	NO	N/A
Trip Fuel Used (8341)	Fuel consumed since the last trip reset.	N/A	NO	N/A
Trip Average Fuel Economy (8353)	Average miles per gallon since the last trip reset.	N/A	NO	N/A
Trip Idle Time (8312)	Indicates the time that the engine has been at idle since the last trip reset.	N/A	NO	N/A
Trip Percent Time at Idle (8344)	Indicates the percent time at idle since the last trip reset.	N/A	NO	N/A
Trip Idle Fuel Used (8311)	Indicates the fuel consumed at idle since the last trip reset.	N/A	NO	N/A
Trip A/T Parked Regens (8349)	Indicates the number of aftertreatment (A/T) parked regeneration operator requests since the last trip reset.	N/A	NO	N/A
Trip A/T Rolling Regens (8350)	Indicates the number of aftertreatment (A/T) rolling regenerations since the last trip reset. NOTE: This excludes “Parked” regenerations.	N/A	NO	N/A
Trip Maximum Engine Speed (8347)	Indicates the maximum ECM recorded engine speed since the last trip reset.	N/A	NO	N/A
Trip Maximum Vehicle Speed (8348)	Indicates the maximum ECM recorded vehicle speed since the last trip reset.	N/A	NO	N/A
Trip Average Vehicle Speed (8338)	Indicates the average vehicle speed since the last trip reset.	N/A	NO	N/A
Trip Engine Over Speed Incident Monitor (8346)	Indicates the number of engine over speed occurrences since the last trip reset.	N/A	NO	N/A

Trip Hard Brake Incident Monitor (8345)	Indicates the number of hard brake occurrences since the last trip reset.	N/A	NO	N/A

5. Parameter Setup

N/A

6. Frequently Asked Questions

Q. How can I view and clear the trip reporting data?

A. The electronic service tool is capable of both displaying data and clearing trip data.

Q. Driver needs to know to improve their driving in conjunction with printed trip reports. What do we have for trip information on the dash?

A. The following are capable of being displayed on most clusters: Odometer, trip odometer, total engine hours, trip hours, machine PTO A hours, machine PTO B hours, engine PTO hours, instantaneous fuel economy, trip average fuel economy, front axle load, and rear axle load.

Q. Is it possible to reset an individual trip accumulator value?

A. No, All values are cleared at once using the electronic service tool.