MaxxForce® DT, 9, 10 (2007-2009)

Overview: *Trip Reporting*

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General Overview: Trip Reporting

The Trip Reporting feature monitors, collects and stores engine related operational information. This information can be downloaded and organized into useful reports for the owner or operator.

This document will address the unique trip reporting functionality for the MaxxForce® DT, 9, 10.

Description and Operation

The trip reporting feature is designed to automatically record engine related operational information.

The Trip Reporting data is stored within parameters noted as an accumulator. The accumulator feature monitors, collects and stores engine related operational information. This information can then be downloaded and organized into useful reports using Navistar ServiceMaxx™ tool.

Programmable Parameters

The following programmable parameters are available for data with the trip reporting feature. These parameters consist of non-resettable, running total data that may not be changed without dealer authorization.

Parameter Value	Description	Possible Values	Cust Pgrm	Recommended Settings
Total Fuel Used (8300)	This parameter indicates the total fuel consumed.	N/A	NO	N/A
Total Engine Hours (8301)	This parameter indicates the total time that the engine has been running.	N/A	NO	N/A
Total Miles (8302)	This parameter indicates the total distance that the vehicle has traveled.	N/A	NO	N/A
Vehicle Miles per DPF Regenerations-All Regenerations (8305)	This parameter indicates the total number of Vehicle Miles per DPF Regenerations-All Regenerations. .	N/A	NO	N/A
Vehicle Miles per DPF Regenerations-Last 5 Regenerations (8306)	This parameter indicates the total number of Vehicle Miles per DPF Regenerations-Last 5 Regenerations.	N/A	NO	N/A
Engine Coolant Temperature Fault Event Counter (8308)	This parameter indicates the total number of Engine Coolant Temperature Fault Events.	N/A	NO	N/A
Engine Coolant Temperature Fault Total Minutes (8309)	This parameter indicates the total number of Engine Coolant Temperature Fault Minutes this has occurred.	N/A	NO	N/A
Trip Idle Fuel Used (8311)	This parameter indicates the fuel consumed at idle since the last trip reset.	N/A	NO	N/A

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Parameter Value	Description	Possible Values	Cust Pgrm	Recommended Settings
Trip Engine On Time at Idle (8312)	This parameter indicates the time that the engine has been at idle since the last trip reset.	N/A	NO	N/A
Total PTO Fuel Used (8313)	This parameter indicates the total fuel consumed while PTO has been active.	N/A	NO	N/A
Engine On Time in PTO (8314)	This parameter indicates the total time that the Power Take-Off (PTO) has been active.	N/A	NO	N/A
Current Accumulated Time of Regeneration Inhibit (8338)	This parameter indicates the average vehicle speed since the last trip reset.	N/A	NO	N/A
First Accumulated Time of Regeneration Inhibit (8339)	This parameter indicates the First Accumulated Time of Regeneration Inhibit.	N/A	NO	N/A
Second Accumulated Time of Regeneration Inhibit (8340)	This parameter indicates the Second Accumulated Time of Regeneration Inhibit.	N/A	NO	N/A
Third Accumulated Time of Regeneration Inhibit (8341)	This parameter indicates the Third Accumulated Time of Regeneration Inhibit.	N/A	NO	N/A
Fourth Accumulated Time of Regeneration Inhibit (8342)	This parameter indicates the Fourth Accumulated Time of Regeneration Inhibit.	N/A	NO	N/A
Engine Coolant Level Fault Event Counter (8386)	This parameter indicates the total number of Engine Coolant Level faults	N/A	NO	N/A
Engine Coolant Level Fault Total Time (8387)	This parameter indicates the total active time for Engine Coolant Level Faults	N/A	NO	N/A
Engine Oil Temperature Fault Events Counter (8388)	This parameter indicates the total number of Engine Oil Temperature Fault Events	N/A	NO	N/A
Engine Oil Temperature Fault Total Time (8389)	This parameter indicates the total time of Engine Oil Temperature Faults	N/A	NO	N/A
Engine Speed Fault 1 Engine Hours (8400)	This parameter records the engine hours when the first engine speed fault sets.	N/A	NO	N/A
Engine Speed Fault 2 Engine Hours (8401)	This parameter records the engine hours when the second engine speed fault sets.	N/A	NO	N/A
Engine Oil Pressure Fault 1 Engine Hours (8402)	This parameter records the engine hours when the first engine speed fault sets.	N/A	NO	N/A
Engine Oil Pressure Fault 2 Engine Hours (8403)	This parameter records the engine hours when the second engine speed fault sets.	N/A	NO	N/A
Engine Coolant Temperature Fault 1 Engine Hours (8404)	This parameter records the engine hours when the first engine coolant temperature fault sets.	N/A	NO	N/A
Engine Coolant Temperature Fault 2 Engine Hours (8405)	This parameter records the engine hours when the second engine coolant temperature fault sets.	N/A	NO	N/A

Parameter Value	Description	Possible Values	Cust Pgrm	Recommended Settings
Engine Coolant Level Fault 1 Engine Hours (8406)	This parameter records the engine hours when the first engine coolant level fault sets.	N/A	NO	N/A
Engine Coolant Level Fault 2 Total Miles (8407)	This parameter records the total miles when the second engine coolant level fault sets.	N/A	NO	N/A
Engine Speed Fault 1 Total Miles (8408)	This parameter records the total miles when the first engine speed fault sets.	N/A	NO	N/A
Engine Speed Fault 2 Total Miles (8409)	This parameter records the total miles when the second engine speed fault sets.	N/A	NO	N/A
Engine Oil Pressure Fault 1 Total Miles (8410)	This parameter records the total miles when the first engine speed fault sets.	N/A	NO	N/A
Engine Oil Pressure Fault 2 Total Miles (8411)	This parameter records the total miles when the second engine speed fault sets.	N/A	NO	N/A
Engine Coolant Temperature Fault 1 Total Miles (8412)	This parameter records the total miles when the first engine coolant temperature fault sets.	N/A	NO	N/A
Engine Coolant Temperature Fault 2 Total Miles (8413)	This parameter records the total miles when the second engine coolant temperature fault sets.	N/A	NO	N/A
Engine Coolant Level Fault 1 Total Miles (8414)	This parameter records the total miles when the first engine coolant level fault sets.	N/A	NO	N/A
Engine Coolant Level Fault 2 Total Miles (8415)	This parameter records the total miles when the second engine coolant level fault sets.			
Engine Oil Temperature Fault 1 Engine Hours (8417)	This parameter records the engine hours when the first engine oil temperature fault sets.	N/A	NO	N/A
Engine Oil Temperature Fault 2 Engine Hours (8418)	This parameter records the engine hours when the second engine oil temperature fault sets.	N/A	NO	N/A
Engine Oil Temperature Fault 1 Total Miles (8419)	This parameter records the total miles when the first engine oil temperature fault sets.	N/A	NO	N/A
Engine Oil Temperature Fault 2 Total Miles (8420)	This parameter records the total miles when the second engine oil temperature fault sets.	N/A	NO	N/A
Coolant System Fault 1 Engine Hours (8421)	This parameter records the engine hours when the first Coolant System fault sets.	N/A	NO	N/A
Coolant System Fault 2 Engine Hours (8422)	This parameter records the engine hours when the second Coolant System fault sets.	N/A	NO	N/A
Coolant System Fault 1 Total Miles (8423)	This parameter records the total miles when the first Coolant System fault sets.	N/A	NO	N/A
Coolant System Fault 2 Total Miles (8424)	This parameter records the total miles when the second Coolant System fault sets.	N/A	NO	N/A

Frequently Asked Questions

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

The following are capable of being displayed on most clusters: odometer, trip odometer, total engine hours, trip hours, coolant temperature faults, DPF data including last cleaning and any regeneration data.

Is it possible to reset an individual trip accumulator value?

No, all values are cleared at once with a service tool.

Definitions/Acronyms

The following terms are referenced in this document:

Acronym	Definition
DPF	Diesel Particulate Filter
ECM	Engine Control Module
ECT	Engine Coolant Temperature
PTO	Power Take-off