NAVISTAR ENGINE GROUP

International® A26 (2017)

Overview: *Trip Reporting*

TABLE OF CONTENTS

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 A26.

Description and Operation

> *NOTE: Refer to the vehicle operation and maintenance manual, as well as the A26 engine operation and maintenance manual, for additional information on operation and indications.*

The Trip Reporting feature is designed to automatically record engine related operational information. This feature records operational data two ways; non-resettable cumulative trip data which consists of running totals, and resettable trip data which consists of data collected since the last trip reset.

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 the Navistar ® Engine Diagnostics tool.

Programmable Parameters

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

Parameter Value	Description	Possible Values	Cust Pgrm	Recommended Settings
Total Fuel Used (57500)	This parameter indicates the total fuel consumed.	N/A	NO	N/A
Total Engine Hours (57560)	This parameter indicates the total time that the engine has been running.	N/A	NO	N/A
Total Vehicle Distance (57610)	This parameter indicates the total miles that the **vehicle** has traveled.	N/A	NO	N/A
Total Time at Idle (62141)	This parameter indicates the total engine run time at idle. **NOTE:** Idle time starts to accumulate when the vehicle begins to idle (engine speed is less than low idle speed plus some offset). Idle time stops accumulating when this condition is no longer met.	N/A	NO	N/A
Total Idle Fuel Used (62151)	This parameter indicates the total fuel consumed while the engine has been at idle. **NOTE:** Idle fuel used value starts to accumulate when the engine speed is less than low idle plus some offset.. Idle fuel used value stops accumulating when this condition is no longer met.	N/A	NO	N/A
Total AESC Fuel Used (57580)	This parameter indicates the total fuel consumed while AESC has been active.	N/A	NO	N/A

Parameter Value	Description	Possible Values	Cust Pgrm	Recommended Settings
Total Engine On Time in AESC (57590)	This parameter indicates the total time that the Power Take-Off (AESC) has been active.	N/A	NO	N/A
Total Number of Requested Regenerations (62160)	This parameter indicates the total number of After Treatment Regeneration operator requests.	N/A	NO	N/A
Total Average Vehicle Speed (63112)	This parameter indicates the total average vehicle speed.	N/A	NO	N/A
Vehicle Overspeed - Level 1 Incidents (62121)	This parameter indicates the total number of occurrences when the vehicle has exceeded a programmed vehicle speed limit.	N/A	NO	N/A
Vehicle Overspeed - Level 2 Incidents (62131)	This parameter indicates the total number of occurrences when the vehicle has exceeded a programmed vehicle speed limit.	N/A	NO	N/A
Total Hard Braking Incidents (62111)	This parameter indicates the total number of hard brake occurrences.	N/A	NO	N/A
Fuel Used Accumulator Adjustment % (99630)	Allows for Trip Reported Fuel Economy to be adjusted to match real world fuel economy	-20/+20	NO	0

The following programmable parameters are available for trip data with the trip reporting feature. These parameters consist of data collected since the last trip. The programmed values may only be cleared using a service tool reset.

Parameter Value	Description	Possible Values	Cust Pgrm	Recommended Settings
Trip Engine on time (hours) (63170)	This parameter indicates the time that the engine has been running since the last trip reset.	N/A	NO	N/A
Trip Idle Engine Hours (63104)	This parameter indicates the time that the engine has been running at idle since the last trip reset.	N/A	NO	N/A
Trip Fuel used in Idle (63093)	This parameter indicates the fuel consumed at idle since the last trip reset.	N/A	NO	N/A
Trip Percent At Idle (63160)	Percent of idle duration time during a trip.	N/A	NO	N/A
Trip average vehicle speed (63120)	This parameter indicates the average vehicle speed since the last trip reset.	N/A	NO	N/A
Trip Distance (63140)	This parameter indicates the distance the vehicle has traveled since the last trip reset.	N/A	NO	N/A

Parameter Value	Description	Possible Values	Cust Pgrm	Recommended Settings
Trip Fuel Used (63150)	This parameter indicates the fuel consumed since the last trip reset.	N/A	NO	N/A
Trip Hard Braking Incidents (58400)	This parameter indicates the number of hard brake occurrences since the last trip reset.	N/A	NO	N/A
Trip Maximum Engine Speed (58070)	This parameter indicates the maximum engine control module (ECM) recorded engine speed since the last trip reset.	N/A	NO	N/A
Trip Mobile AESC Fuel Used (58160)	This parameter indicates the fuel consumed during mobile power take-off (AESC) operation since the last trip reset.	N/A	NO	N/A
Trip Engine On Time in AESC (58141)	This parameter indicates the time that the engine has been running during AESC operation since the last trip reset.	N/A	NO	N/A
Trip AESC Fuel Used (58031)	This parameter indicates the fuel consumed during AESC operation since the last trip reset.	N/A	NO	N/A
Trip Engine On Time AESC Device 1 (58370)	This parameter indicates the time that the engine has been running while AESC Device #1 has been active since the last trip reset.	N/A	NO	N/A
Trip Engine On Time AESC Device 2 (58380)	This parameter indicates the time that the engine has been running while AESC Device #2 has been active since the last trip reset.	N/A	NO	N/A
Trip Engine On Time AESC Device 3 (58390)	This parameter indicates the time that the engine has been running while AESC Device #3 has been active since the last trip reset.	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, PTO hours, instantaneous fuel economy, trip average fuel economy, front axle load and rear axle load.

Refer to the operator's manual for detailed information on what is shown with your model.

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
AESC	Auxiliary Engine Speed Control
ECM	Engine Control Module
ECT	Engine Coolant Temperature
EOP	Engine Oil Pressure
EOT	Engine Oil Temperature
PTO	Power Take-Off