



**EVENT DATA
FACTUAL REPORT**

**MIAMI, OKLAHOMA
HWY-09-MH-015**

Attachment A – Engine ECM data

ECM Image

WorkOrder Information

WorkOrder Name,"WO-20090708-104515"
WorkOrder ID,"{C87720D3-D58E-4C73-BC1C-49820D395824}"
Status,""
Start Repair Date,"7/8/2009 10:45:15 AM"
Last Modified Date,"7/8/2009 10:45:15 AM"
Customer Name,"Customer Name**"
Customer Contact,"*****"
Technician Name,""
Service Site,"CPS"
System Type,"ISX - CM871"
Description,""
Engine Serial Number,"79280430"
Engine Make,"CMMNS"
Engine Model,"6X1u07D1500000000"
ECM Serial Number,"5003689"
Vehicle ID,"4V4NC9TG18N261165 " "
Vehicle Unit Number,"0000000000"
Vehicle Make,"GENERIC " "
Vehicle Model,"STA15"
Vehicle Odometer,"Enter Vehicle Mileage"

Image Information

Image Name,"I-20090708-104515"
Image ID,"347"
Date,"7/8/2009 10:45:15 AM"
Image Type,"1"
File Location,D:\Intellect\INSITE\WorkOrders\I-20090708-104515
ECM,"CM871"
ECM State,"Good"
Engine Program ID,"19350"

System ID and Dataplate,""

System ID and Dataplate - Calibration Information

Calibration Software Phase,"08000018", ""
Calibration Time/Date Stamp,"080307205727", ""
DO Option,"1496", ""
ECM Code,"AV10055.11", ""
Other Options
SC Option,"11567", ""

System ID and Dataplate - Customer Information

Customer Location,"*****", ""
Customer Name,"Customer Name**", ""
Customer Unit Number,"0000000000", ""

System ID and Dataplate - ECM Information

ECM Part Number,"3684275", ""
ECM Product ID,"CM871", ""
ECM Serial Number,"5003689", ""

System ID and Dataplate - Engine Information

Engine Build Date,"111607", ""
Engine Make,"CMMNS", ""
Engine Model,"6X1u07D1500000000", ""
Engine Serial Number,"79280430", ""

System ID and Dataplate - System Information

Advertised Power at RPM,"516","hp"
Advertised Power RPM,"0","RPM"
Control Parts List,"2732",""
Fuel Code,"0P602",""
Governed Speed,"2100","RPM"
Peak Torque at RPM,"1143","ft*lb"
Peak Torque RPM,"1200","RPM"

System ID and Dataplate - Vehicle/OEM Information

OEM Name,"GENERIC",""
OEM Vehicle or Equipment Model,"STA15",""
Vehicle Identification Number (VIN) or Equipment Serial Number,"4V4NC9TG18N261165",""
Vehicle or Equipment Year,"*****",""

Features and Parameters

Accelerator Interlock,"Disable"

Accelerator Options,""

Accelerator Options - Dual Accelerator,"Enable"

Accelerator Options - Remote Accelerator Pedal or Lever,"Disable"

Adjustable Low Idle Speed,"Enable"
Low Idle Speed,"650","RPM"

Adjustable Low Idle Speed - Low Idle Speed Adjustment Switch,"Enable"

Aftertreatment,""

Aftertreatment - Active Regeneration in PTO and Remote Modes,"Disable"

Aftertreatment - Automotive Mobile Regeneration,"Enable"

Minimum Vehicle Speed,"5.0","mph"

Aftertreatment - Diesel Particulate Filter Lamp,"Installed"

Aftertreatment - Diesel Particulate Filter Regeneration Permit Switch,"Enable"

Aftertreatment - Diesel Particulate Filter Regeneration Start Switch,"Disable"

Aftertreatment - High Exhaust System Temperature Lamp,"Enable"

Active Due to Regeneration,"Enable",""
Active Maximum Speed,"5","mph"
Active Temperature,"752","F"
Inactive Temperature,"662","F"

Alternator Failure Warning,"Disable"

Clutch Pedal Position Switch,"Installed"

Cruise Control,"Enable"
Cruise Control Lower Droop,"2.0","mph"
Cruise Control Upper Droop,"0.0","mph"
Maximum Cruise Control Speed,"70","mph"

Cruise Control - Adaptive Cruise,"Disable"

Cruise Control - Cruise Control Auto-Resume,"Disable"

Cruise Control - Cruise Control Save Set Speed,"Disable"

Cruise Control and Engine Brake Interaction,"Disable"

Cruise Control Switch Setup,""

Switch Setup,"Set/Coast (Resume/Accelerate)","

Driver Reward,"Disable"

Electrical System Voltage,"Enable"

Electrical System Voltage,"Undefined","

Engine Brake Control,"Disable"

Engine Coolant Level Sensor,"Installed"

Engine Protection,"Enable"

Limited Restart,"Enable","

Shutdown,"Enable","

Shutdown Manual Override,"Disable","

Engine Warmup Protection,"Enable"

Ether Injection,"Disable"

Fan Control,"Enable"

Fan Control Logic,"0 Volt On","

Fan Control - Air Conditioning Pressure Switch Input,"Enable"

Minimum Fan On Time for Air Conditioning Pressure Switch,"180", "sec"

Fan Control - Fan Control Switch,"Disable"

Fan Control - Fan on With Remote Throttle,"Enable"

Fan Control - Fan Type,"On/Off"

Fan Control - OEM Pressure Input,"Disable"

Fan Control - OEM Temperature Input,"Disable"

Fan Control - Vehicle Speed Interaction,"Disable"

Gear Down Protection,"Enable"

Gear Down Maximum Vehicle Speed (Heavy Engine Load),"62", "mph"

Gear Down Maximum Vehicle Speed (Light Engine Load),"60", "mph"

Governor Type,""

Governor Type,"Automotive","

Governor Type - Governor Type Switch,"Disable"

Idle Shutdown,"Enable"
Percent Engine Load,"100","Percent"
Time Before Shutdown,"00:05:00","HH:MM:SS"

Idle Shutdown - Ambient Temperature Override,"Disable"

Idle Shutdown - Idle Shutdown With Parking Brake Set,"Disable"

Idle Shutdown - In PTO,"Enable"

Idle Shutdown - Manual Override,"Disable"

Idle Shutdown - Shutdown Accessory Relay,"Not Installed"

J1939 Controls,"Enable"
J1939 Service Reset,"Enable", ""
J1939 Stop Broadcast Allowed,"Enable", ""
J1939 Trip Reset,"Enable", ""

Load Based Speed Control,""
High Engine Speed Breakpoint,"1800","RPM"
Low Engine Speed Breakpoint,"1800","RPM"

Maintenance Monitor,"Disable"

OEM Ambient Air Temperature Sensor,"Disable"

Powertrain Protection,"Disable"

PTO,"Enable"
Additional Switch Speed,"800","RPM"
Alternate Operation,"Disable", ""
Clutch Override,"Enable", ""
Maximum Engine Load,"800","ft*lb"
Maximum Speed,"800","RPM"
Maximum Vehicle Speed,"2","mph"
Minimum Speed,"800","RPM"
Ramp Rate,"250","rpm/sec"
Resume Switch Speed,"800","RPM"
Service Brake Override,"Enable", ""
Set Switch Speed,"800","RPM"
Zero Vehicle Speed Source Limit,"Disable", ""

PTO - Accelerator Pedal or Lever Override,"Disable"

PTO - Remote PTO,"Disable"

Road Speed Governor,"Enable"
Maximum Accelerator Vehicle Speed,"70","mph"
Maximum Vehicle Speed,"70","mph"
Road Speed Governor Lower Droop,"2","mph"
Road Speed Governor Upper Droop,"0","mph"

Road Speed Governor - Reserve Speed,"Disable"

Road Speed Governor - Smart Road Speed Governor,"Disable"

SAE J1939 Multiplexing,""

SAE J1939 Multiplexing - Accelerator Interlock Switch,"Disable"

SAE J1939 Multiplexing - Accelerator Pedal or Lever Position,"Enable"

Source Address,"17 - Cruise Control",""

SAE J1939 Multiplexing - Aftertreatment Regeneration Permit Switch,"Enable"

Source Address,"23 - Instrument Cluster",""

SAE J1939 Multiplexing - Aftertreatment Regeneration Start Switch,"Enable"

Source Address,"23 - Instrument Cluster",""

SAE J1939 Multiplexing - Air Conditioning Pressure Switch,"Enable"

Source Address,"17 - Cruise Control",""

SAE J1939 Multiplexing - Auxiliary Shutdown Switch,"Undefined"

Source Address,"61 - Exhaust Emission Controller",""

SAE J1939 Multiplexing - Clutch Pedal Position Switch,"Enable"

Source Address,"17 - Cruise Control",""

SAE J1939 Multiplexing - Coolant Level Switch,""

SAE J1939 Multiplexing - Cruise Control On/Off Switch,"Enable"

Source Address,"17 - Cruise Control",""

SAE J1939 Multiplexing - Cruise Control Set / Resume Switch,"Enable"

Source Address,"17 - Cruise Control",""

SAE J1939 Multiplexing - Diagnostic Test Mode Switch,"Disable"

SAE J1939 Multiplexing - Engine Brake Switch Level,"Enable"

Source Address,"17 - Cruise Control",""

SAE J1939 Multiplexing - Engine Protection Shutdown Manual Override,"Disable"

SAE J1939 Multiplexing - Fan Control Switch,"Enable"

Source Address,"17 - Cruise Control",""

SAE J1939 Multiplexing - Idle Increment/ Idle Decrement Switch,"Enable"

Source Address,"17 - Cruise Control",""

SAE J1939 Multiplexing - Idle Validation Switch,"Enable"

Source Address,"17 - Cruise Control",""

SAE J1939 Multiplexing - Parking Brake,"Enable"

Source Address,"17 - Cruise Control",""

SAE J1939 Multiplexing - PTO On/Off Switch,"Enable"

Source Address,"17 - Cruise Control",""

SAE J1939 Multiplexing - PTO Set / Resume Switch,"Enable"

Source Address,"17 - Cruise Control", ""

SAE J1939 Multiplexing - Remote Accelerator Pedal or Lever,"Disable"

SAE J1939 Multiplexing - Remote Accelerator Pedal or Lever Switch,"Disable"

SAE J1939 Multiplexing - Remote PTO Switch,"Disable"

SAE J1939 Multiplexing - Service Brake Switch,"Enable"

Source Address,"17 - Cruise Control", ""

SAE J1939 Multiplexing - Torque Derate Switch,"Disable"

Service Brake Switch,"Enable"

Starter Lockout,"Disable"

Switched Maximum Engine Operating Speed,"Disable"

Tire Wear Adjustment,"Disable"

Transmission Setup,"Enable"

Gear Down Transmission Ratio,"1.34", ""

Top Gear Transmission Ratio,"1.00", ""

Transmission Type,"Manual", ""

Trip Information,"Enable"

ECM Distance Offset,"0.0", "mi"

ECM Time Offset,"0", "hrs"

Engine Distance Offset,"0.0", "mi"

Engine Time Offset,"0", "hrs"

Vehicle Overspeed 1,"0.0", "mph"

Vehicle Overspeed 2,"0.0", "mph"

Vehicle Speed Sensor Anti-Tampering,"Enable"

Tampering Sensitivity Level,"High", ""

Vehicle Speed Source,"Enable"

Maximum Engine Speed without Vehicle Speed Source,"1400", "RPM"

Number of Transmission Tailshaft Gear Teeth,"16", ""

Rear Axle Ratio,"2.64", ""

Tire Size,"511", "rev/mi"

Vehicle Speed Sensor Type,"Data Link - Tailshaft", ""

Water In Fuel Sensor,"Not Installed"

Trip Information

All Trips (Cumulative), ""

All Trips (Cumulative) - Aftertreatment

Maximum Diesel Particulate Filter Differential Pressure,"5.8", "InHg"

Maximum Diesel Particulate Filter Soot Load,"Above Normal - Least Severe", ""

Number of Complete Regenerations,"363", ""

Number of Incomplete Regenerations,"6", ""

All Trips (Cumulative) - Distance

Cruise Control Distance,"39500.0", "mi"

ECM Distance,"145587.0", "mi"

Engine Brake Distance,"0.0","mi"
Engine Distance,"145566.2","mi"
Gear Down Distance,"16360.4","mi"
Maximum Accelerator Vehicle Speed Distance,"25315.0","mi"
Service Brake Distance,"4556.7","mi"
Top Gear Distance,"120354.4","mi"

All Trips (Cumulative) - Fuel Used

Coast Fuel Used,"15735.7","gal"
Cruise Control Fuel Used,"6585.0","gal"
Drive Fuel Used,"25434.4","gal"
Fuel Consumed for Aftertreatment Injection,"323.7","gal"
Fuel Used,"25850.2","gal"
Gear Down Fuel Used,"3066.3","gal"
Idle Fuel Used,"399.2","gal"
Loaded PTO Drive Fuel Used,"0.0","gal"
Loaded PTO Stationary Fuel Used,"0.0","gal"
Maximum Accelerator Vehicle Speed Fuel Used,"3061.8","gal"
PTO Device 1 Total Fuel Used,"9","gal"
PTO Device 2 Total Fuel Used,"25","gal"
PTO Device 3 Total Fuel Used,"0","gal"
PTO Device 4 Total Fuel Used,"0","gal"
PTO Device 5 Total Fuel Used,"0","gal"
PTO Device 6 Total Fuel Used,"0","gal"
PTO Device 7 Total Fuel Used,"0","gal"
PTO Device 8 Total Fuel Used,"0","gal"
PTO Drive Fuel Used,"0.0","gal"
PTO Fuel Used,"39.9","gal"
Top Gear Fuel Used,"19642.5","gal"

All Trips (Cumulative) - Gas Used

Coast Gas Used,Not Available
Cruise Control Fuel Used,Not Available
Drive Gas Used,Not Available
Gas Used,Not Available
Gear Down Gas Used,Not Available
Idle Gas Used,Not Available
Loaded PTO Drive Gas Used,Not Available
Loaded PTO Stationary Gas Used,Not Available
Maximum Accelerator Vehicle Speed Gas Used,Not Available
PTO Device 1 Total Gas Used,Not Available
PTO Device 2 Total Gas Used,Not Available
PTO Device 3 Total Gas Used,Not Available
PTO Device 4 Total Gas Used,Not Available
PTO Device 5 Total Gas Used,Not Available
PTO Device 6 Total Gas Used,Not Available
PTO Device 7 Total Gas Used,Not Available
PTO Device 8 Total Gas Used,Not Available
PTO Drive Gas Used,Not Available
PTO Gas Used,Not Available
Top Gear Gas Used,Not Available

All Trips (Cumulative) - Multiple PTO

PTO Speed 1 Device
PTO Speed 2 Device
PTO Speed 3 Device
PTO Speed 4 Device
PTO Speed 5 Device
PTO Speed 6 Device
PTO Speed 7 Device
PTO Speed 8 Device

All Trips (Cumulative) - Other

Average Engine Load,"38.0","Percent"

Average Engine Speed,"1323","RPM"
Drive Average Power,"189","hp"
Engine Brake Activations,"0",""
Engine Protection Shutdown Manual Override,"0",""
Engine Run Time,"3068:40:30","HH:MM:SS"
Maximum Engine Speed,"2302","RPM"
Number of Trip Resets,"0",""

All Trips (Cumulative) - Time

Coast Time,"1387:10:39","HH:MM:SS"
Cruise Control Time,"572:50:13","HH:MM:SS"
Drive Time,"2551:16:39","HH:MM:SS"
ECM Time(Key On Time),"3160:26:21","HH:MM:SS"
Engine Brake Time,"0:00:00","HH:MM:SS"
Engine Run Time,"3068:40:30","HH:MM:SS"
Full Load Operation Time,"379:33:35","HH:MM:SS"
Gear Down Time,"339:49:10","HH:MM:SS"
Idle Time,"479:18:24","HH:MM:SS"
Loaded PTO Drive Time,"0:00:00","HH:MM:SS"
Loaded PTO Stationary Time,"0:00:00","HH:MM:SS"
Maximum Accelerator Vehicle Speed Time,"362:26:08","HH:MM:SS"
PTO Device 1 Total Time,"11:59","HH:MM"
PTO Device 2 Total Time,"34:27","HH:MM"
PTO Device 3 Total Time,"0:11","HH:MM"
PTO Device 4 Total Time,"0:00","HH:MM"
PTO Device 5 Total Time,"0:00","HH:MM"
PTO Device 6 Total Time,"0:00","HH:MM"
PTO Device 7 Total Time,"0:00","HH:MM"
PTO Device 8 Total Time,"0:00","HH:MM"
PTO Drive Time,"0:00:06","HH:MM:SS"
Service Brake Time,"135:12:38","HH:MM:SS"
Top Gear Time,"1816:22:56","HH:MM:SS"
Total ECM Time,"3160:26:21","HH:MM:SS"
Total PTO Time,"48:45:20","HH:MM:SS"

Trip Since Last Reset,""

Trip Since Last Reset - Aftertreatment

Maximum Diesel Particulate Filter Differential Pressure,"5.8","InHg"
Maximum Diesel Particulate Filter Soot Load,"Above Normal - Least Severe",""
Number of Complete Regenerations,"363",""
Number of Incomplete Regenerations,"6",""

Trip Since Last Reset - Fuel Used

Average Fuel Economy,"5.6","mpg"
Average Fuel Rate,"8.4","gph"
Fuel Consumed for Aftertreatment Injection,"318.1","gal"
Fuel Used,"25850.8","gal"
Idle Fuel Used,"399.2","gal"
Loaded PTO Stationary Fuel Used,"0.0","gal"
PTO Device 1 Trip Fuel Used,"9","gal"
PTO Device 2 Trip Fuel Used,"25","gal"
PTO Device 3 Trip Fuel Used,"0","gal"
PTO Device 4 Trip Fuel Used,"0","gal"
PTO Device 5 Trip Fuel Used,"0","gal"
PTO Device 6 Trip Fuel Used,"0","gal"
PTO Device 7 Trip Fuel Used,"0","gal"
PTO Device 8 Trip Fuel Used,"0","gal"
PTO Fuel Used,"39.9","gal"

Trip Since Last Reset - Gas Used

Average Gas Fuel Economy,Not Available
Average Gas Rate,Not Available
Gas Used,Not Available

Idle Gas Used,Not Available
Loaded PTO Stationary Gas Used,Not Available
PTO Device 1 Trip Gas Used,Not Available
PTO Device 2 Trip Gas Used,Not Available
PTO Device 3 Trip Gas Used,Not Available
PTO Device 4 Trip Gas Used,Not Available
PTO Device 5 Trip Gas Used,Not Available
PTO Device 6 Trip Gas Used,Not Available
PTO Device 7 Trip Gas Used,Not Available
PTO Device 8 Trip Gas Used,Not Available
PTO Gas Used,Not Available

Trip Since Last Reset - Multiple PTO

PTO Speed 1 Device
PTO Speed 2 Device
PTO Speed 3 Device
PTO Speed 4 Device
PTO Speed 5 Device
PTO Speed 6 Device
PTO Speed 7 Device
PTO Speed 8 Device

Trip Since Last Reset - Other

Average Engine Load,"38.0","Percent"
Average Engine Speed,"1323","RPM"
Engine Protection Shutdown Manual Override,"0",""
Keyswitch Cycles,"4945",""
Maximum Engine Speed,"2302","RPM"
Number of Idle Shutdown Overrides,"0",""
Number of Idle Shutdowns,"472",""

Trip Since Last Reset - Time

ECM Time,"3155:44:38","HH:MM:SS"
Engine Protection Time Derated,"0:00:00","HH:MM:SS"
Fan On Time,"102:01:36","HH:MM:SS"
Fan Time Due To Air Conditioning Pressure Switch,"100:08:54","HH:MM:SS"
Fan Time Due To Engine Conditions,"1:52:37","HH:MM:SS"
Fan Time Due To Fan Control Switch,"0:00:05","HH:MM:SS"
Fan Time Without Vehicle Speed,"67:48:28","HH:MM:SS"
Full Load Operation Time,"379:42:11","HH:MM:SS"
Idle Time,"479:18:24","HH:MM:SS"
Loaded PTO Stationary Time,"0:00:00","HH:MM:SS"
Percent Trip Time at Idle,"15.6","Percent"
PTO Device 1 Trip Time,"11:59","HH:MM"
PTO Device 2 Trip Time,"34:27","HH:MM"
PTO Device 3 Trip Time,"0:11","HH:MM"
PTO Device 4 Trip Time,"0:00","HH:MM"
PTO Device 5 Trip Time,"0:00","HH:MM"
PTO Device 6 Trip Time,"0:00","HH:MM"
PTO Device 7 Trip Time,"0:00","HH:MM"
PTO Device 8 Trip Time,"0:00","HH:MM"
PTO Time,"48:45:20","HH:MM:SS"
Time,"3068:43:59","HH:MM:SS"

Trip Since Last Reset - Drive (Vehicle Speed >0),"

Trip Since Last Reset - Drive (Vehicle Speed >0) - Distance

Coast Distance,"80519.1","mi"
Cruise Control Distance,"39500.0","mi"
Driver Reward 1 Distance,"0","mi"
Driver Reward 2 Distance,"0","mi"
Driver Reward 3 Distance,"0","mi"
Driver Reward 4 Distance,"0","mi"
ECM Distance,"145587.0","mi"

Engine Brake Distance,"0.0","mi"
Engine Distance,"145567.3","mi"
Gear Down Distance,"16360.4","mi"
Loaded PTO Drive Distance,"0.0","mi"
Maximum Accelerator Vehicle Speed Distance,"25315.0","mi"
PTO Drive Distance,"0.0","mi"
Service Brake Distance,"4556.7","mi"
Top Gear Distance,"120354.4","mi"
Trip Drive Distance,"145567.3","mi"
Vehicle Overspeed 1 Distance,"145580.2","mi"
Vehicle Overspeed 2 Distance,"14558.0","mi"

Trip Since Last Reset - Drive (Vehicle Speed >0) - Fuel Used

Coast Fuel Used,"15735.7","gal"
Cruise Control Fuel Used,"6585.0","gal"
Drive Average Fuel Economy,"5.7","mpg"
Drive Fuel Used,"25434.4","gal"
Driver Reward 1 Fuel Used,"0","gal"
Driver Reward 2 Fuel Used,"0","gal"
Driver Reward 3 Fuel Used,"0","gal"
Driver Reward 4 Fuel Used,"0","gal"
Gear Down Fuel Used,"3066.3","gal"
Loaded PTO Drive Fuel Used,"0.0","gal"
Maximum Accelerator Vehicle Speed Fuel Used,"3061.8","gal"
PTO Drive Fuel Used,"0.0","gal"
Top Gear Fuel Used,"19642.5","gal"
Vehicle Overspeed 1 Fuel Used,"25205.3","gal"
Vehicle Overspeed 2 Fuel Used,"25205.3","gal"

Trip Since Last Reset - Drive (Vehicle Speed >0) - Gas Used

Coast Gas Used,Not Available
Cruise Control Fuel Used,Not Available
Drive Average Gas Fuel Economy,Not Available
Drive Gas Used,Not Available
Driver Reward 1 Gas Used,Not Available
Driver Reward 2 Gas Used,Not Available
Driver Reward 3 Gas Used,Not Available
Driver Reward 4 Gas Used,Not Available
Gear Down Gas Used,Not Available
Idle Gas Used,Not Available
Loaded PTO Drive Gas Used,Not Available
Maximum Accelerator Vehicle Speed Gas Used,Not Available
PTO Drive Gas Used,Not Available
Top Gear Gas Used,Not Available
Vehicle Overspeed 1 Gas Used,Not Available
Vehicle Overspeed 2 Gas Used,Not Available

Trip Since Last Reset - Drive (Vehicle Speed >0) - Other

Average Vehicle Speed,"47","mph"
Drive Average Engine Speed,"1451","RPM"
Drive Average Load,"45.0","Percent"
Drive Average Power,"189","hp"
Engine Brake Activations,"0",""
Engine Brakes Percent Time,"0.0","Percent"
Maximum Accelerator Vehicle Speed,"70","mph"
Maximum Vehicle Speed,"78","mph"
Number of Sudden Decelerations,"6",""
Out of Gear Coasts,"6",""
Service Brake Actuations,"135556",""

Trip Since Last Reset - Drive (Vehicle Speed >0) - Time

Coast Time,"1387:10:39","HH:MM:SS"
Cruise Control Time,"572:50:13","HH:MM:SS"
Drive Time,"2551:16:39","HH:MM:SS"

Driver Reward 1 Time,"0:00:00","HH:MM:SS"
Driver Reward 2 Time,"0:00:00","HH:MM:SS"
Driver Reward 3 Time,"0:00:00","HH:MM:SS"
Driver Reward 4 Time,"0:00:00","HH:MM:SS"
Engine Brake Time,"0:00:00","HH:MM:SS"
Fan Time With Vehicle Speed,"34:13:08","HH:MM:SS"
Gear Down Time,"339:49:10","HH:MM:SS"
Loaded PTO Drive Time,"0:00:00","HH:MM:SS"
Maximum Accelerator Vehicle Speed Time,"362:26:08","HH:MM:SS"
Out of Gear Coast Time,"0:00:01","HH:MM:SS"
PTO Drive Time,"0:00:06","HH:MM:SS"
Service Brake Time,"135:12:38","HH:MM:SS"
Top Gear Time,"1816:22:56","HH:MM:SS"
Vehicle Overspeed 1 Time,"2674:34:32","HH:MM:SS"
Vehicle Overspeed 2 Time,"2674:34:32","HH:MM:SS"

Data Monitors

Accelerator Control Base Enable,"Enable", "",
Accelerator Pedal Or Lever Position Sensor 2 Signal Voltage,"0.00","V",
Accelerator Pedal Or Lever Position Sensor 2 Supply Voltage,"5.01","V","4.75","5.25",
Accelerator Pedal or Lever Position Sensor Signal Voltage,"0.00","V",
Accelerator Pedal or Lever Position Sensor Supply Voltage,"5.01","V","4.75","5.25",
Aftertreatment Diesel Oxidation Catalyst Inlet Temperature,"260.0","F","-20.0","800.0",
Aftertreatment Diesel Oxidation Catalyst Inlet Temperature Sensor Signal Voltage,"4.00","V","0.25","5.00",
Aftertreatment Diesel Particulate Filter Differential Pressure,"0.0","InHg","0.0","25.0",
Aftertreatment Diesel Particulate Filter Differential Pressure Sensor Signal Voltage,"0.69","V","0.25","4.80",
Aftertreatment Diesel Particulate Filter Inlet Temperature,"305.3","F","-20.0","1200.0",
Aftertreatment Diesel Particulate Filter Inlet Temperature Sensor Signal Voltage,"3.69","V","0.25","5.00",
Aftertreatment Diesel Particulate Filter Lamp Status,"Off", "",
Aftertreatment Diesel Particulate Filter Outlet Temperature,"349.9","F","-20.0","1200.0",
Aftertreatment Diesel Particulate Filter Outlet Temperature Sensor Signal Voltage,"3.25","V","0.25","5.00",
Aftertreatment Diesel Particulate Filter Regeneration Permit Switch Status,"On", "",
Aftertreatment Diesel Particulate Filter Soot Load,"Normal", "",
Aftertreatment Fuel Injector Status,"Closed", "",
Aftertreatment Fuel Pressure,"173.0","psi","0.0","300.0",
Aftertreatment Fuel Pressure Sensor Signal Voltage,"2.44","V","0.25","4.80",
Aftertreatment Fuel Shutoff Valve Status,"Closed", "",
Aftertreatment High Exhaust System Temperature Lamp Status,"Off", "",
Aftertreatment Regeneration Opportunity,"High", "",
Air Conditioning Pressure Switch,"Off", "",
Amber Warning Lamp Status,"On", "",
Anti Theft Status,"Unlocked", "",
Battery Voltage,"12.9","V","10.0","28.0",
Brake Pedal Position Switch,"Released", "",
Calibration Software Phase,"08000018", "",
Clutch Pedal Position Switch,"Released", "",
Crankcase Pressure,"0.0","inH2O","0.0","12.0",
Crankcase Pressure Sensor Signal Voltage,"1.50","V","0.25","4.80",
Cruise Control Accelerate Switch,"Off", "",
Cruise Control Coast Switch,"Off", "",
Cruise Control On/Off Switch,"Off", "",
Cruise Control Set / Resume Switch,"Neutral", "",
Diagnostic Test Mode Switch,"Off", "",
Diesel Particulate Filter Faceplug Counter,"0:00:00","HH:MM:SS",
ECM Time(Key On Time),"3160:26:21","HH:MM:SS",
EGR Cooler Efficiency,"0","Percent",
EGR Differential Pressure,"-2.0","InHg","0.0","5.0",
EGR Differential Pressure Sensor Signal Voltage,"0.69","V","0.25","4.80",
EGR Temperature,"306.0","F","-20.0","450.0",
EGR Temperature Sensor Signal Voltage,"1.06","V","0.25","5.00",
EGR Valve Off Clearance,"24", "",
EGR Valve Position Commanded,"0","Percent",
EGR Valve Position Measured (Percent Open),"0","Percent","0","100",
Engine Coolant Level,"Normal", "",
Engine Coolant Temperature,"121.9","F","-20.0","220.0",
Engine Coolant Temperature Sensor Signal Voltage,"2.00","V","0.25","5.00",
Engine Hours,"3068:40:30","HH:MM:SS",
Engine Oil Pressure,"-0.1","psi","12.0","100.0",

Engine Oil Pressure Sensor Signal Voltage,"0.81","V","0.25","4.80",
Engine Oil Pressure Sensor Type,"Analog", "",
Engine Oil Temperature,"166.8","F",-20.0,"275.0",
Engine Oil Temperature Sensor Signal Voltage,"1.06","V","0.25","5.00",
Engine Operating State,"Engine Stop", "",
Engine Protection Derate Suppress,"Disable", "",
Engine Protection Shutdown Override Switch,"Off", "",
Engine Speed,"0","RPM",
Engine Speed Backup Sensor Signal State,"In Range", "",
Engine Speed Backup Sensor State,"Low Input Voltage", "",
Engine Speed Backup Synchronization State,"No Pulse", "",
Engine Speed Main Sensor Signal State,"In Range", "",
Engine Speed Main Sensor State,"Low Input Voltage", "",
Engine Speed Main Synchronization State,"No Pulse", "",
Engine Speed Sensor Active,"Main", "",
Engine Speed Status,"Stopped", "",
Engine Warmup Protection Status,"Active", "",
Fan Control Command,"100","Percent",
Fuel Rail Pressure Measured,"290","psi","0","300",
Fuel Rail Pressure Sensor Signal Voltage,"3.81","V","0.25","4.80",
Fuel Shutoff Valve,"Open", "",
Fuel Temperature Sensor,"175.7","F",-20.0,"180.0",
Fuel Temperature Sensor Voltage,"0.9","V","0.3","5.0",
Gear Down Protection State,"Inactive", "",
Governor Type,"Automotive", "",
Idle Validation Switch,"Idle", "",
Instantaneous Fuel Economy,"0.0","mpg",
Intake Manifold Air Temperature,"113.0","F",-20.0,"200.0",
Intake Manifold Air Temperature Sensor Signal Voltage,"1.69","V","0.25","5.00",
Intake Manifold Pressure,"0.2","InHg","0.0","125.0",
Intake Manifold Pressure Sensor Signal Voltage,"1.00","V","0.25","4.80",
J1939 Engine Source Address,"0", "",
J1939 Stop Broadcast Source Address One,"0", "",
J1939 Stop Broadcast Source Address Three,"0", "",
J1939 Stop Broadcast Source Address Two,"0", "",
Keyswitch,"On", "",
Keyswitch Off Counts,"4960", "",
Keyswitch On Counts,"4605", "",
Load Based Speed Control Status,"Not Limiting", "",
Low Idle Adjustment Switch,"Neutral", "",
Percent Accelerator Pedal or Lever,"0","Percent","0","100",
Percent Load,"0","Percent",
PTO Additional Switch,"Off", "",
PTO Decrement Switch,"Off", "",
PTO Increment Switch,"Off", "",
PTO On/Off Switch,"Off", "",
PTO Set / Resume Switch,"Undefined", "",
PTO Status,"Inactive", "",
Red Stop Lamp Status,"Off", "",
Sensor Supply 1,"5.00","V","4.75","5.25",
Sensor Supply 2,"5.00","V","4.75","5.25",
Sensor Supply 3,"0.00","V","4.75","5.25",
Smart Torque State,"Normal", "",
Transmission Gear Ratio,"16.00", "",
Turbocharger Actuator Position Commanded (Percent Closed),"0","Percent",
Turbocharger Actuator Position Measured (Percent Closed),"72","Percent","0","100",
Turbocharger Actuator Position Sensor Signal Voltage,"0.00","V",
Turbocharger Actuator Type,"Electric", "",
Turbocharger Compressor Outlet Air Temperature (Calculated),"105.8","F",
Turbocharger Compressor Outlet Air Temperature Derate,"Inactive", "",
Turbocharger Speed Derate Active,"Inactive", "",
Vehicle Speed,"0","mph","0","100",

Fault Codes

Fault Code,"Fault Status","Fault Count","Lamp","Description","PID","SID","J1587 FMI","J1939 FMI","SPN",
1866,"Active","1","Amber","Exhaust Gas Recirculation Valve Delta Pressure - Data erratic, intermittent or incorrect","411","","2","2","411",
285,"Active","1","Amber","SAE J1939 Multiplexing PGN Timeout Error - Abnormal update rate","","231","9","9","639",
1117,"Inactive","1","None","Power Supply Lost With Ignition On - Data erratic, intermittent or incorrect","","251","2","2","627",

1972,"Inactive","2","Amber","Aftertreatment Exhaust Gas Temperature 3 - Data Valid But Above Normal Operating Range - Moderately Severe Level","","328","0","16","3245",
2728,"Inactive","4","None","Aftertreatment Doser - Data Valid But Above Normal Operating Range - Moderately Severe Level","","382","0","16","3556",
2637,"Inactive","5","None","Aftertreatment Diesel Oxidation Catalyst Face Plugged - Root Cause Not Known","","380","11","11","5018",
241,"Inactive","1","Amber","Wheel-Based Vehicle Speed - Data erratic, intermittent or incorrect","84","","2","2","84",

Fault Snapshot

Fault Code 1866,"First Occurrence","Last Occurrence"
Accelerator Interlock State,"Unlocked","Unlocked",""
Aftertreatment Diesel Oxidation Catalyst Inlet Temperature,"279.3","F","490.7","F"
Aftertreatment Diesel Particulate Filter Differential Pressure,"0.0","InHg","0.0","InHg"
Aftertreatment Diesel Particulate Filter Inlet Temperature,"314.4","F","472.7","F"
Aftertreatment Diesel Particulate Filter Outlet Temperature,"315.5","F","486.4","F"
Air Conditioning Pressure Switch,"Off","Off",""
Battery Voltage,"13.0","V","13.5","V"
Brake Pedal Position Switch,"Depressed","Released",""
Calibration Software Phase,"08000018","","08000018",""
Clutch Pedal Position Switch,"Depressed","Released",""
Cruise Control On/Off Switch,"On","On",""
ECM Real Time,"1193:02:47","HH:MM:SS","1193:02:47","HH:MM:SS"
ECM Time(Key On Time),"2958:58:35","HH:MM:SS","3160:25:01","HH:MM:SS"
EGR Differential Pressure,"0.0","InHg","-2.0","InHg"
EGR Flow Derate,"Inactive","Inactive",""
EGR Temperature,"175.6","F","195.1","F"
EGR Valve Position Measured (Percent Open),"0","Percent","0","Percent"
Engine Coolant Temperature,"187.4","F","187.3","F"
Engine Hours,"2869:41:29","HH:MM:SS","3068:40:30","HH:MM:SS"
Engine Oil Pressure,"-0.1","psi","-0.2","psi"
Engine Oil Pressure Sensor Type,"Analog","Analog",""
Engine Oil Temperature,"212.7","F","226.9","F"
Engine Operating State,"Engine Stop","Engine Stop",""
Engine Protection Derate Suppress,"Disable","Disable",""
Engine Protection Shutdown Override Switch,"Off","Off",""
Engine Speed,"0","RPM","0","RPM"
Engine Speed Main Synchronization State,"No Pulse","No Pulse",""
Engine Speed Status,"Stopped","Failed",""
Engine Warmup Protection Status,"Inactive","Inactive",""
Exhaust Gas Pressure,"28.6","InHg","29.4","InHg"
Exhaust Gas Temperature (Calculated),"136","F","139","F"
Fan Control Switch,"On","On",""
Fuel Rail Pressure Measured,"13","psi","11","psi"
Idle Validation Switch,"Idle","Idle",""
Intake Manifold Air Temperature,"135.9","F","138.9","F"
Intake Manifold Pressure,"-0.1","InHg","-0.2","InHg"
Keyswitch,"On","Off",""
OEM Barometric Air Pressure,"28.8","InHg","29.1","InHg"
Percent Accelerator Pedal or Lever,"0","Percent","0","Percent"
Percent Load,"0","Percent","0","Percent"
Remote Accelerator Pedal or Lever Switch,"Off","Off",""
Remote PTO Switch,"Off","Off",""
Sensor Supply 1,"5.00","V","5.00","V"
Sensor Supply 2,"5.00","V","5.00","V"
Sensor Supply 3,"0.00","V","0.00","V"
Turbocharger Compressor Inlet Air Temperature,"94.0","F","111.4","F"
Turbocharger Compressor Outlet Air Temperature (Calculated),"114.8","F","219.2","F"
Turbocharger Compressor Outlet Air Temperature Derate,"Inactive","Inactive",""
Turbocharger Speed,"4500","RPM","9297","RPM"
Turbocharger Speed Derate Active,"Inactive","Inactive",""
Vehicle Speed,"0","mph","1","mph"
Water In Fuel State,"No Water Detected","No Water Detected",""

Fault Code 285,"First Occurrence","Last Occurrence"
Accelerator Interlock State,"Unlocked","Unlocked",""
Aftertreatment Diesel Oxidation Catalyst Inlet Temperature,"281.6","F","281.6","F"
Aftertreatment Diesel Particulate Filter Differential Pressure,"0.0","InHg","0.0","InHg"
Aftertreatment Diesel Particulate Filter Inlet Temperature,"326.8","F","326.8","F"
Aftertreatment Diesel Particulate Filter Outlet Temperature,"371.6","F","371.6","F"
Air Conditioning Pressure Switch,"Off","Off",""

Battery Voltage,"12.9","V","12.9","V"
Brake Pedal Position Switch,"Released",",", "Released", ""
Calibration Software Phase,"08000018",",", "08000018", ""
Clutch Pedal Position Switch,"Released",",", "Released", ""
Cruise Control On/Off Switch,"Off",",", "Off", ""
ECM Real Time,"1193:02:47",",", "HH:MM:SS", "1193:02:47", "HH:MM:SS"
ECM Time(Key On Time),"3160:25:33",",", "HH:MM:SS", "3160:25:33", "HH:MM:SS"
EGR Differential Pressure,"-2.0","InHg", "-2.0", "InHg"
EGR Flow Derate,"Inactive",",", "Inactive", ""
EGR Temperature,"306.0","F", "306.0", "F"
EGR Valve Position Measured (Percent Open),"0", "Percent", "0", "Percent"
Engine Coolant Temperature,"121.9","F", "121.9", "F"
Engine Hours,"3068:40:30",",", "HH:MM:SS", "3068:40:30", "HH:MM:SS"
Engine Oil Pressure,"-0.1","psi", "-0.1", "psi"
Engine Oil Pressure Sensor Type,"Analog",",", "Analog", ""
Engine Oil Temperature,"166.8","F", "166.8", "F"
Engine Operating State,"Engine Stop",",", "Engine Stop", ""
Engine Protection Derate Suppress,"Disable",",", "Disable", ""
Engine Protection Shutdown Override Switch,"Off",",", "Off", ""
Engine Speed,"0", "RPM", "0", "RPM"
Engine Speed Main Synchronization State,"No Pulse",",", "No Pulse", ""
Engine Speed Status,"Stopped",",", "Stopped", ""
Engine Warmup Protection Status,"Active",",", "Active", ""
Exhaust Gas Pressure,"29.8","InHg", "29.8", "InHg"
Exhaust Gas Temperature (Calculated),"113","F", "113", "F"
Fan Control Switch,"Off",",", "Off", ""
Fuel Rail Pressure Measured,"290", "psi", "290", "psi"
Idle Validation Switch,"Idle",",", "Idle", ""
Intake Manifold Air Temperature,"113.0","F", "113.0", "F"
Intake Manifold Pressure,"0.2","InHg", "0.2", "InHg"
Keyswitch,"On",",", "On", ""
OEM Barometric Air Pressure,"29.8","InHg", "29.8", "InHg"
Percent Accelerator Pedal or Lever,"0", "Percent", "0", "Percent"
Percent Load,"0", "Percent", "0", "Percent"
Remote Accelerator Pedal or Lever Switch,"Off",",", "Off", ""
Remote PTO Switch,"Off",",", "Off", ""
Sensor Supply 1,"5.00","V", "5.00", "V"
Sensor Supply 2,"5.00","V", "5.00", "V"
Sensor Supply 3,"0.00","V", "0.00", "V"
Turbocharger Compressor Inlet Air Temperature,"106.5","F", "106.5", "F"
Turbocharger Compressor Outlet Air Temperature (Calculated),"107.6","F", "107.6", "F"
Turbocharger Compressor Outlet Air Temperature Derate,"Inactive",",", "Inactive", ""
Turbocharger Speed,"0", "RPM", "0", "RPM"
Turbocharger Speed Derate Active,"Inactive",",", "Inactive", ""
Vehicle Speed,"0", "mph", "0", "mph"
Water In Fuel State,"No Water Detected",",", "No Water Detected", ""

Fault Code 1117,"First Occurrence", "Last Occurrence"
No fault snapshot data detected in the ECM.
Fault Code 1972,"First Occurrence", "Last Occurrence"
No fault snapshot data detected in the ECM.
Fault Code 2728,"First Occurrence", "Last Occurrence"
Accelerator Interlock State,"Unlocked",",", "Unlocked", ""
Aftertreatment Diesel Oxidation Catalyst Inlet Temperature,"593.7","F", "593.7", "F"
Aftertreatment Diesel Particulate Filter Differential Pressure,"2.3","InHg", "2.3", "InHg"
Aftertreatment Diesel Particulate Filter Inlet Temperature,"761.8","F", "761.8", "F"
Aftertreatment Diesel Particulate Filter Outlet Temperature,"961.0","F", "961.0", "F"
Air Conditioning Pressure Switch,"Off",",", "Off", ""
Battery Voltage,"13.8","V", "13.8", "V"
Brake Pedal Position Switch,"Released",",", "Released", ""
Calibration Software Phase,"08000018",",", "08000018", ""
Clutch Pedal Position Switch,"Released",",", "Released", ""
Cruise Control On/Off Switch,"On",",", "On", ""
ECM Real Time,"1193:02:47",",", "HH:MM:SS", "1193:02:47", "HH:MM:SS"
ECM Time(Key On Time),"2792:33:02",",", "HH:MM:SS", "2792:33:02", "HH:MM:SS"
EGR Differential Pressure,"1.1","InHg", "1.1", "InHg"
EGR Flow Derate,"Inactive",",", "Inactive", ""
EGR Temperature,"164.1","F", "164.1", "F"

EGR Valve Position Measured (Percent Open),"40","Percent","40","Percent"
Engine Coolant Temperature,"185.6","F","185.6","F"
Engine Hours,"2709:20:59","HH:MM:SS","2709:20:59","HH:MM:SS"
Engine Oil Pressure,"34.9","psi","34.9","psi"
Engine Oil Pressure Sensor Type,"Analog","","Analog",""
Engine Oil Temperature,"220.6","F","220.6","F"
Engine Operating State,"Automotive Governor","","Automotive Governor",""
Engine Protection Derate Suppress,"Disable","","Disable",""
Engine Protection Shutdown Override Switch,"Off","","Off",""
Engine Speed,"1367","RPM","1367","RPM"
Engine Speed Main Synchronization State,"Have Synchronization","","Have Synchronization",""
Engine Speed Status,"Good","","Good",""
Engine Warmup Protection Status,"Inactive","","Inactive",""
Exhaust Gas Pressure,"50.1","InHg","50.1","InHg"
Exhaust Gas Temperature (Calculated),"649","F","649","F"
Fan Control Switch,"On","","On",""
Fuel Rail Pressure Measured,"285","psi","285","psi"
Idle Validation Switch,"Off Idle","","Off Idle",""
Intake Manifold Air Temperature,"84.6","F","84.6","F"
Intake Manifold Pressure,"16.5","InHg","16.5","InHg"
Keyswitch,"On","","On",""
OEM Barometric Air Pressure,"29.5","InHg","29.5","InHg"
Percent Accelerator Pedal or Lever,"47","Percent","47","Percent"
Percent Load,"32","Percent","32","Percent"
Remote Accelerator Pedal or Lever Switch,"Off","","Off",""
Remote PTO Switch,"Off","","Off",""
Sensor Supply 1,"5.00","V","5.00","V"
Sensor Supply 2,"5.00","V","5.00","V"
Sensor Supply 3,"0.00","V","0.00","V"
Turbocharger Compressor Inlet Air Temperature,"66.6","F","66.6","F"
Turbocharger Compressor Outlet Air Temperature (Calculated),"181.4","F","181.4","F"
Turbocharger Compressor Outlet Air Temperature Derate,"Inactive","","Inactive",""
Turbocharger Speed,"52625","RPM","52625","RPM"
Turbocharger Speed Derate Active,"Inactive","","Inactive",""
Vehicle Speed,"45","mph","45","mph"
Water In Fuel State,"No Water Detected","","No Water Detected",""

Fault Code 2637,"First Occurrence","Last Occurrence"
No fault snapshot data detected in the ECM.
Fault Code 241,"First Occurrence","Last Occurrence"
Accelerator Interlock State,"Unlocked","","Unlocked",""
Aftertreatment Diesel Oxidation Catalyst Inlet Temperature,"281.8","F","281.8","F"
Aftertreatment Diesel Particulate Filter Differential Pressure,"0.0","InHg","0.0","InHg"
Aftertreatment Diesel Particulate Filter Inlet Temperature,"326.8","F","326.8","F"
Aftertreatment Diesel Particulate Filter Outlet Temperature,"371.6","F","371.6","F"
Air Conditioning Pressure Switch,"Off","","Off",""
Battery Voltage,"12.9","V","12.9","V"
Brake Pedal Position Switch,"Released","","Released",""
Calibration Software Phase,"08000018","","08000018",""
Clutch Pedal Position Switch,"Released","","Released",""
Cruise Control On/Off Switch,"Off","","Off",""
ECM Real Time,"1193:02:47","HH:MM:SS","1193:02:47","HH:MM:SS"
ECM Time(Key On Time),"3160:25:36","HH:MM:SS","3160:25:36","HH:MM:SS"
EGR Differential Pressure,"-2.0","InHg","-2.0","InHg"
EGR Flow Derate,"Inactive","","Inactive",""
EGR Temperature,"306.0","F","306.0","F"
EGR Valve Position Measured (Percent Open),"78","Percent","78","Percent"
Engine Coolant Temperature,"121.9","F","121.9","F"
Engine Hours,"3068:40:30","HH:MM:SS","3068:40:30","HH:MM:SS"
Engine Oil Pressure,"-0.1","psi","-0.1","psi"
Engine Oil Pressure Sensor Type,"Analog","","Analog",""
Engine Oil Temperature,"166.8","F","166.8","F"
Engine Operating State,"Engine Stop","","Engine Stop",""
Engine Protection Derate Suppress,"Disable","","Disable",""
Engine Protection Shutdown Override Switch,"Off","","Off",""
Engine Speed,"0","RPM","0","RPM"
Engine Speed Main Synchronization State,"No Pulse","","No Pulse",""
Engine Speed Status,"Stopped","","Stopped",""

Engine Warmup Protection Status,"Active", "", "Active", ""
Exhaust Gas Pressure,"30.0","InHg","30.0","InHg"
Exhaust Gas Temperature (Calculated),"113","F","113","F"
Fan Control Switch,"Off", "", "Off", ""
Fuel Rail Pressure Measured,"290","psi","290","psi"
Idle Validation Switch,"Idle", "", "Idle", ""
Intake Manifold Air Temperature,"113.0","F","113.0","F"
Intake Manifold Pressure,"0.1","InHg","0.1","InHg"
Keyswitch,"On", "", "On", ""
OEM Barometric Air Pressure,"29.8","InHg","29.8","InHg"
Percent Accelerator Pedal or Lever,"0","Percent","0","Percent"
Percent Load,"0","Percent","0","Percent"
Remote Accelerator Pedal or Lever Switch,"Off", "", "Off", ""
Remote PTO Switch,"Off", "", "Off", ""
Sensor Supply 1,"5.00","V","5.00","V"
Sensor Supply 2,"5.00","V","5.00","V"
Sensor Supply 3,"0.00","V","0.00","V"
Turbocharger Compressor Inlet Air Temperature,"106.4","F","106.4","F"
Turbocharger Compressor Outlet Air Temperature (Calculated),"107.6","F","107.6","F"
Turbocharger Compressor Outlet Air Temperature Derate,"Inactive", "", "Inactive", ""
Turbocharger Speed,"0","RPM","0","RPM"
Turbocharger Speed Derate Active,"Inactive", "", "Inactive", ""
Vehicle Speed,"0","mph","0","mph"
Water In Fuel State,"No Water Detected", "", "No Water Detected", ""

Audit Trail

Record Number,"Tool Name", "Tool ID", "User Type", "User ID", "ECM Time (Key on time)",

Audit Trail Change Codes

1,"INSITE", "702003622901", "Software", "000024C72D63", "2190:09:40" HH:MM:SS

., "001 - Idle Shutdown"

,"

2,"INSITE", "702003622901", "Software", "00002BC5A5D1", "2604:31:48" HH:MM:SS

., "027 - Reset Inactive Fault Codes"

,"

3,"INSITE", "702003622901", "Software", "000024C72D63", "2713:21:48" HH:MM:SS

., "001 - Idle Shutdown"

., " 027 - Reset Inactive Fault Codes"

,"

4,"INSITE", "700003432901", "Software", "00002BC5A5D1", "1120:09:51" HH:MM:SS

., "003 - Cruise Control"

., " 010 - Maximum Vehicle Speed without Vehicle Speed Sensor"

., " 015 - Fan Clutch Control"

., " 017 - PTO"

., " 018 - Low Idle Adjustment"

,"

Engine Abuse History

Engine Oil Pressure,"00:06:39", "HH:MM:SS"

Engine Oil Pressure Severity 1,"5-8", "psi"

Engine Oil Pressure,"00:07:59", "HH:MM:SS"

Engine Oil Pressure Severity 2,"8-12", "psi"

Engine Oil Pressure,"75:38:02", "HH:MM:SS"

Engine Oil Pressure Severity 3,"<12", "psi"

Engine Oil Pressure,"75:52:40", "HH:MM:SS"

Engine Oil Pressure Severity Total,"<5", "psi"

Engine Speed,"00:00:00", "HH:MM:SS"

Engine Speed Severity 1,"2700-2800", "RPM"

Engine Speed,"00:00:00", "HH:MM:SS"

Engine Speed Severity 2,"2800-2900", "RPM"

Engine Speed,"00:00:00", "HH:MM:SS"

Engine Speed Severity 3,">2900", "RPM"

Engine Speed,"00:00:00", "HH:MM:SS"

Engine Speed Severity Total,">2700", "RPM"

Engine Coolant Temperature,"00:00:28", "HH:MM:SS"

Engine Coolant Temperature Severity 1,"220-230", "F"

Engine Coolant Temperature,"00:00:00","HH:MM:SS"
Engine Coolant Temperature Severity 2,"230-245","F"
Engine Coolant Temperature,"00:00:30","HH:MM:SS"
Engine Coolant Temperature Severity 3,">245","F"
Engine Coolant Temperature,"00:00:58","HH:MM:SS"
Engine Coolant Temperature Severity Total,">220","F"

Intake Manifold Air Temperature,"00:00:00","HH:MM:SS"
Intake Manifold Air Temperature Severity 1,"240-260","F"
Intake Manifold Air Temperature,"00:00:00","HH:MM:SS"
Intake Manifold Air Temperature Severity 2,"260-280","F"
Intake Manifold Air Temperature,"00:00:00","HH:MM:SS"
Intake Manifold Air Temperature Severity 3,">280","F"
Intake Manifold Air Temperature,"00:00:00","HH:MM:SS"
Intake Manifold Air Temperature Severity Total,">240","F"

Engine Oil Temperature,"00:12:36","HH:MM:SS"
Engine Oil Temperature Severity 1,"235-245","F"
Engine Oil Temperature,"00:00:00","HH:MM:SS"
Engine Oil Temperature Severity 2,"245-257","F"
Engine Oil Temperature,"00:00:30","HH:MM:SS"
Engine Oil Temperature Severity 3,">257","F"
Engine Oil Temperature,"00:13:06","HH:MM:SS"
Engine Oil Temperature Severity Total,">235","F"

Crank Pressure,"00:00:00","HH:MM:SS"
Crank Pressure Severity 1,"1-1","psi"
Crank Pressure,"00:00:00","HH:MM:SS"
Crank Pressure Severity 2,"1-1","psi"
Crank Pressure,"00:00:00","HH:MM:SS"
Crank Pressure Severity 3,"<1","psi"
Crank Pressure,"00:00:00","HH:MM:SS"
Crank Pressure Severity Total,"<1","psi"

Engine Coolant Level,"00:03:39","HH:MM:SS"
Engine Coolant Level Severity 1,"Low",""
Engine Coolant Level,"00:03:39","HH:MM:SS"
Engine Coolant Level Severity Total,"Low",""

Engine Hours,"682:34:55","HH:MM:SS"
Engine Protection
Fault Code,"Occurrence","Value","Fault Duration","Total ECM Time (Key on Time)",

No Data Available

Engine Protection Settings

Channel,"Torque Derate","Fault Code","Derate Type","Threshold","Delay Before Derate","Time Based Torque Shutdown","Time Before Lamp Flashes Because of Torque Shutdown"
Engine Protection Derate Suppress,"Disable"
Engine Coolant Temperature,"Enable","2963","Severity","224.6" F,,"5" sec,"Undefined","Undefined"
Engine Oil Pressure,"Enable","0143","Time","rpm","Oil Pressure","5" sec,"Enable","0" sec
,,,,,"0","-0.7" psi
,,,,,"500","-0.7" psi
,,,,,"560","6.0" psi
,,,,,"800","8.0" psi
,,,,,"1150","18.0" psi
,,,,,"2600","28.0" psi
Intake Manifold Air Temperature,"Enable","2964","Severity","249.8" F,,"5" sec,"Undefined","Undefined"
Engine Oil Temperature,"Enable","0214","Severity","253.4" F,,"5" sec,"Undefined","Undefined"
EGR Temperature,"Enable","2961","Severity","410.0" F,,"5" sec,"Undefined","Undefined"
Compressor Outlet Temperature,"Enable","2347","Severity","482.0" F,,"5" sec,"Undefined","Undefined"
Exhaust Gas Temperature,"Enable","2451","Severity","1450.4" F,,"20" sec,"Undefined","Undefined"
Crankcase Pressure,"Enable","0556","Time","1" kPa,,"10" sec,"Undefined","Undefined"

Channel,"RPM Derate","Fault Code","Derate Type","Threshold","Delay Before Derate","Time Based RPM Shutdown","Time Before Lamp Flashes Because Of RPM Shutdown"
Engine Protection Derate Suppress,"Disable"
Engine Coolant Temperature,"Enable","0151","Time","240.8" F,,"5" sec,"Disable","Undefined"
Engine Oil Pressure,"Enable","0415","Time","rpm","Oil Pressure","5" sec,"Enable","0" sec

,,,,"0",-0.7" psi
,,,, "500",-0.7" psi
,,,, "560",4.0" psi
,,,, "800",6.0" psi
,,,, "1150",10.0" psi
,,, "2600",20.0" psi
Intake Manifold Air Temperature,"Enable","0155","Time", "269.6" F,,"5" sec,"Disable","Undefined"
Engine Overspeed,"Enable","0234","Time", "2650" RPM,,"0" sec,"Undefined","Undefined"
EGR Temperature,"Enable", "2962", "Time", "482.0" F,,"5" sec,"Undefined","Undefined"

Channel,"Severity Based Shutdown","Threshold",,"Time for Flashing Lamp"
Engine Protection Derate Suppress,"Disable"
Engine Coolant Temperature,"Enable", "233.6" F,,"30" sec
Intake Manifold Air Temperature,"Enable", "275.0" F,,"30" sec

Duty Cycle Monitor

Short Term Map 1

Torque
100.00,,0.6%,3.9%,8.5%,1.2%,,,
90.00,0.0%,0.3%,1.3%,4.6%,0.3%,0.2%,0.0%,0.0%
70.00,0.0%,0.5%,2.0%,7.5%,0.5%,0.1%,0.0%,0.0%
50.00,0.1%,0.7%,2.6%,9.9%,0.5%,0.0%,0.0%,0.0%
30.00,0.1%,1.2%,2.7%,7.5%,2.6%,0.1%,0.0%,0.0%
10.00,0.7%,2.0%,1.3%,2.4%,0.2%,0.0%,0.0%,0.0%
0.00,5.5%,,,,0.0%,0.0%,0.0%
,,,30.5%,,,,0.0%

Engine Speed (RPM),800,1200,1400,1600,1800,2100,2650

Map 1 Start Time,"3002:16:33","HH:MM:SS"
Map 1 Total Time,"66:20:58","HH:MM:SS"
Map 1 Hours Remaining,"433:39:02","HH:MM:SS"
Advertised Power at RPM,"516", "hp"
Advertised Power RPM,"0", "RPM"
Peak Torque at RPM,"1143", "ft"lb"
Peak Torque RPM,"1200", "RPM"

Short Term Map 2

Torque
100.00,,0.5%,3.4%,9.8%,1.2%,,,
90.00,0.0%,0.2%,1.2%,5.9%,0.3%,0.2%,0.0%,0.0%
70.00,0.0%,0.4%,1.7%,9.8%,0.4%,0.1%,0.0%,0.0%
50.00,0.1%,0.6%,2.2%,11.0%,0.6%,0.1%,0.0%,0.0%
30.00,0.1%,1.1%,2.3%,7.5%,2.2%,0.1%,0.0%,0.0%
10.00,0.9%,1.4%,1.2%,2.3%,0.2%,0.1%,0.0%,0.0%
0.00,4.7%,,,,0.0%,0.0%,0.0%
,,,27.8%,,,,0.0%

Engine Speed (RPM),800,1200,1400,1600,1800,2100,2650

Map 2 Start Time,"2501:53:12","HH:MM:SS"
Map 2 Total Time,"500:00:00", "HH:MM:SS"
Map 2 Hours Remaining,"0:00:00", "HH:MM:SS"
Advertised Power at RPM,"516", "hp"
Advertised Power RPM,"0", "RPM"
Peak Torque at RPM,"1143", "ft"lb"
Peak Torque RPM,"1200", "RPM"

Long Term Map

Torque
100.00,,0.4%,3.1%,9.1%,1.1%,,,
90.00,0.0%,0.3%,1.2%,6.5%,0.3%,0.3%,0.0%,0.0%
70.00,0.0%,0.4%,1.7%,10.9%,0.5%,0.1%,0.0%,0.0%

50.00,0.1%,0.6%,2.2%,12.0%,0.6%,0.1%,0.0%,0.0%
30.00,0.2%,1.1%,2.3%,7.3%,2.2%,0.1%,0.0%,0.0%
10.00,0.9%,1.5%,1.1%,2.1%,0.2%,0.1%,0.0%,0.0%
0.00,5.2%,,,,,,0.0%,0.0%,0.0%
,,,,-13.1%,,,,,0.0%

Engine Speed (RPM),800,1200,1400,1600,1800,2100,2650

Long Term Map Start Time,"0:00:00","HH:MM:SS"
Long Term Map Total Time,"3066:20:58","HH:MM:SS"
Advertised Power at RPM,"516","hp"
Advertised Power RPM,"0","RPM"
Peak Torque at RPM,"1143","ft*lb"
Peak Torque RPM,"1200","RPM"

SAE J1939 Multiplexed Fault Data

,"Multiplexed Component or Data Parameter","Status","Total ECM Time (Key on Time)","ECM Real Time"
Fault Code 285 - SAE J1939 Multiplexing PGN Timeout Error
,"Service Brake Switch","Inactive","3160:25:40","Not Applicable"
,"Cruise Control Set Switch","Inactive","3160:25:40","Not Applicable"
,"Cruise Control Resume Switch","Inactive","3160:25:40","Not Applicable"
,"Idle Increment Switch","Inactive","3160:25:40","Not Applicable"
,"Idle Decrement Switch","Inactive","3160:25:40","Not Applicable"
,"PTO On/Off Switch","Inactive","3160:25:40","Not Applicable"
,"PTO Set Switch","Inactive","3160:25:40","Not Applicable"
,"PTO Resume Switch","Inactive","3160:25:40","Not Applicable"
,"Aftertreatment Regeneration Start Switch","Active","3160:25:40","Not Applicable"
,"Aftertreatment Regeneration Permit Switch","Active","3160:25:40","Not Applicable"
,"Aftertreatment Regeneration Start Switch","Inactive","3160:25:40","Not Applicable"
,"Aftertreatment Regeneration Permit Switch","Inactive","3160:25:40","Not Applicable"
,"Accelerator Pedal or Lever Position","Active","3160:25:32","Not Applicable"
,"PTO On/Off Switch","Active","3160:25:32","Not Applicable"
,"PTO Set Switch","Active","3160:25:32","Not Applicable"
,"PTO Resume Switch","Active","3160:25:32","Not Applicable"
,"Air Conditioning Pressure Switch","Active","3160:25:32","Not Applicable"
,"Engine Brake Switch Level","Active","3160:25:32","Not Applicable"
,"Idle Validation Switch","Inactive","3160:25:40","Not Applicable"
,"Accelerator Pedal or Lever Position","Inactive","3160:25:40","Not Applicable"
,"Air Conditioning Pressure Switch","Inactive","3160:25:40","Not Applicable"
,"Engine Brake Switch Level","Inactive","3160:25:40","Not Applicable"
,"Parking Brake","Inactive","3160:25:40","Not Applicable"
,"Cruise Control On/Off Switch","Inactive","3160:25:40","Not Applicable"
,"Clutch Pedal Position Switch","Inactive","3160:25:40","Not Applicable"

Fault Code 286 - SAE J1939 Multiplexing Configuration Error

,"No SAE J1939 Multiplexed Fault Data is available for display because there has been no occurrence of Fault Code 286"

OBD Monitors

MIL ON Distance (ALL Faults)

Fault Code,"Description","Monitor Type","Readiness Code"

OBD is not supported for this product.

SAE J1939 Powertrain Control

This feature is not supported by the current calibration.

Maintenance Monitor

This feature is not supported by the current calibration.

Aftertreatment History

,"ECM Time(Key On Time)","ECM Real Time","Starting Diesel Particulate Filter Soot Load","Ending Diesel Particulate Filter Soot Load","Starting Diesel Oxidation Catalyst Inlet Temperature","Maximum Diesel Particulate Filter Inlet Temperature","Maximum Diesel Particulate Filter Outlet Temperature","Maximum Diesel Particulate Filter Differential Pressure",
Units,"","","F","F","F","InHg",
1(Newest),"3155:33:13","Not Available","Normal","Normal","594.6","1111.8","1149.5","2.3",
2,"3142:25:26","Not Available","Normal","Normal","625.1","1067.0","1175.5","4.6",
3,"3135:42:39","Not Available","Normal","Normal","542.1","1061.3","1143.7","3.3",

4,"3130:12:10","Not Available","Normal","Normal","650.5","859.3","840.9","2.0",
5,"3122:10:19","Not Available","Normal","Normal","639.5","1127.9","1179.5","4.1",
6,"3115:08:20","Not Available","Normal","Normal","638.1","1108.7","1095.1","2.2",
7,"3099:35:59","Not Available","Normal","Normal","696.5","1149.5","1291.4","3.0",
8,"3092:32:48","Not Available","Normal","Normal","582.4","1100.7","1246.4","2.7",
9,"3083:45:25","Not Available","Normal","Normal","633.9","1107.6","1194.5","2.8",
10(Oldest),"3075:22:38","Not Available","Normal","Normal","585.8","1083.8","1175.3","3.2",

Maximum Soot Load Condition

ECM Time(Key On Time),"ECM Real Time","Diesel Particulate Filter Soot Load","Diesel Oxidation Catalyst Inlet Temperature","Diesel Particulate Filter Inlet Temperature","Diesel Particulate Filter Outlet Temperature","Diesel Particulate Filter Differential Pressure",
Units,"","F","F","F","InHg",
942:01:00,"Not Available","Above Normal - Least Severe","603.0","604.5","592.8","3.3",

Maximum Diesel Particulate Filter Outlet Temperature Condition

ECM Time(Key On Time),"ECM Real Time","Diesel Particulate Filter Soot Load","Diesel Oxidation Catalyst Inlet Temperature","Diesel Particulate Filter Inlet Temperature","Diesel Particulate Filter Outlet Temperature","Diesel Particulate Filter Differential Pressure",
Units,"","F","F","F","InHg",
2848:01:43,"Not Available","Normal","477.0","646.5","1355.1","1.6",

Aftertreatment Maintenance Log

Occurrence,"ECM Time (Key On Time)","ECM Real Time","Aftertreatment Reset Applied",
1(Newest),"0:00:00","0:00:00","All",
2,"0:00:00","0:00:00","All",
3,"0:00:00","0:00:00","All",
4,"0:00:00","0:00:00","All",
5,"0:00:00","0:00:00","All",
6,"0:00:00","0:00:00","All",
7,"0:00:00","0:00:00","All",
8,"0:00:00","0:00:00","All",
9,"0:00:00","0:00:00","All",
10(Oldest),"0:00:00","0:00:00","All",

Engine Torque History

This feature is not supported by the current calibration.

Technician Note

Knock Count Reset

This feature is not supported by the current calibration.

Anti-Theft Protection

Passwords,"0",
Anti Theft Status,"Unlocked",
Vehicle Anti-theft,"Disable",
Vehicle Anti-theft Automatic Mode,"Enable",

Multi-Level ECM Security

ECM Passwords

Master Password,"Disabled"
Adjustable Password,"Disabled"
Reset Password,"Disabled"
OEM Password,"Disabled"

Ether Injection Reset

This feature is not supported by the current calibration.

Real Time Clock

The connected ECM does not support Real Time Clock

PowerSpec - Engine Fault Report

Engine Type	ISX 07	ECM Code	AV10055.11	Last Tool Used	Insite
Engine Serial Number	79280430	Software Phase	134217752	Report Date	7/8/2009 10:53:01 AM
Unit Number	0000000000	ECM Runtime hh:mm:ss	3160:33:51	PowerSpec Version	4.1.0.8

Active Faults	Cummins Fault Code	Count
Exhaust Gas Recirculation Valve Delta Pressure - Data erratic, intermittent or incorrect	1866	1
SAE J1939 Multiplexing PGN Timeout Error - Abnormal update rate	285	1
Inactive Faults	Cummins Fault Code	Count
Power Supply Lost With Ignition On - Data erratic, intermittent or incorrect	1117	1
Aftertreatment Exhaust Gas Temperature 3 - Data Valid But Above Normal Operating Range - Moderately Severe Level	1972	2
Aftertreatment Fuel Injector 1 - Data Valid But Above Normal Operating Range - Moderately Severe Level	2728	4
Catalyst Face Plugged - Root Cause Not Known	2637	5
Wheel-Based Vehicle Speed - Data erratic, intermittent or incorrect	241	1

PowerSpec - Engine Trip Information Report

Engine Type	ISX 07	ECM Code	AV10055.11	Last Tool Used	Insite
Engine Serial Number	79280430	Software Phase	134217752	Report Date	7/8/2009 10:52:34 AM
Unit Number	0000000000	ECM Runtime hh:mm:ss	3160:33:25	PowerSpec Version	4.1.0.8

Trip Data Since Last Reset

Trip Summary	Value	Unit	
Average Fuel Economy	5.63	mpg	
Drive Average Fuel Economy	5.72	mpg	
% Idle Time	15.6	%	
% PTO Time	1.6	%	
% PTO Non-Moving Time	1.6	%	
% Top Gear Distance	82.7	%	
% Gear Down Distance	11.2	%	
% Cruise Distance	27.1	%	
Maximum Vehicle Speed	78	mph	
Number of Sudden Decelerations	6		
Trip Distance	145567.59	miles	
Total Engine Hours	3068:40:30	hh:mm:ss	
Trip Time	3068:43:59	hh:mm:ss	
Trip Complete Regenerations	363		
Trip Desired Regenerations	613		
Trip Fuel Used For Dosing	318.08	gallons	
Trip Incomplete Regenerations	6		
Trip Peak Soot Fill Monitor Status	Low		
Trip Peak Soot Filter Delta Pressure	2.86	psi	
Distance	Value	Unit	
Trip Distance	145567.59	miles	
Drive Distance	145567.59	miles	
Cruise Distance	39500.10	miles	
Top Gear Distance	120354.65	miles	
Gear Down Distance	16360.39	miles	
PTO Moving Distance	0.00	miles	
Vehicle Overspeed 1 Distance	145580.45	miles	

Vehicle Overspeed 2 Distance	145580.45	miles	
Time	Value	Unit	
Trip Time	3068:43:59	hh:mm:ss	
Drive Time	2551:16:39	hh:mm:ss	
Cruise Time	572:50:13	hh:mm:ss	
Top Gear Time	1816:22:56	hh:mm:ss	
Gear Down Time	339:49:11	hh:mm:ss	
PTO Moving Time	0:0:7	hh:mm:ss	
PTO Non-Moving Time	48:45:13	hh:mm:ss	
Idle Time	479:18:24	hh:mm:ss	
Vehicle Overspeed 1 Time	2674:34:33	hh:mm:ss	
Vehicle Overspeed 2 Time	2674:34:33	hh:mm:ss	
Coast Time Out of Gear	0:0:1	hh:mm:ss	
Fan On Time due to Manual Switch	0:0:5	hh:mm:ss	
Fuel Used	Value	Unit	
Trip Fuel Used	25850.60	gallons	
Drive Fuel Used	25434.19	gallons	
Cruise Fuel Used	6584.98	gallons	
PTO Moving Fuel Used	0.00	gallons	
Idle Fuel Used	399.21	gallons	
Vehicle Overspeed 1 Fuel Used	25205.16	gallons	
Vehicle Overspeed 2 Fuel Used	25205.16	gallons	
Counts	Value	Unit	
Service Brake Actuations / 1K	931.22	brakes/1K miles	
Number of Sudden Decelerations	6		
Number of Coasts Out of Gear	6		
Maximum Speeds	Value	Unit	
Maximum Engine Speed	2302	rpm	
Maximum Vehicle Speed	78	mph	

All Trips (Cumulative)

Totals	Value	Unit	
Total Engine Distance	145566.49	miles	
Total Engine Hours	3068:40:30	hh:mm:ss	
Total ECM Distance	145587.28	miles	
Total Fuel Used	25850.05	gallons	
Total Idle Fuel Used	399.21	gallons	
Total PTO Fuel Used	39.90	gallons	
Total PTO Time	48:45:20	hh:mm:ss	
Total Complete Regenerations	363		
Total Desired Regenerations	613		
Total Fuel Used For Dosing	323.67	gallons	
Total Incomplete Regenerations	6		
Total Peak Soot Fill Monitor Status	Low		
Total Peak Soot Filter Delta Pressure	2.86	psi	

PowerSpec - Engine Dataplate Information

Engine Type	ISX 07	ECM Code	AV10055.11	Last Tool Used	Insite
Engine Serial Number	79280430	Software Phase	134217752	Report Date	7/8/2009 10:54:21 AM
Unit Number	0000000000	ECM Runtime hh:mm:ss	3160:35:10	PowerSpec Version	4.1.0.8

ECM Information	Value
Boot Phase	67634179
Core Based	True
Module ID	22616
Module Name	CM871
ECM Serial Number	5003689
ECM Part Number	0
Engine Information	Value
Engine Model	ISX 07
Engine Build Date	2819475
Engine Family	ISM/ISX 07
DO Option	0
SC Option	0
Engine Horse Power	385
Engine Horse Power RPM	0
Engine Torque	1550
Engine Torque RPM	1200
Vehicle Information	Value
Vehicle Identification Number (VIN)	4V4NC9TG18N261165
OEM Vehicle or Equipment	
Customer Location	*****
OEM Name	GENERIC
OEM Vehicle Equipment Model	

PowerSpec - Current Engine Feature Settings

Engine Type	ISX 07	ECM Code	AV10055.11	Last Tool Used	Insite
Engine Serial Number	79280430	Software Phase	134217752	Report Date	7/8/2009 10:53:48 AM
Unit Number	0000000000	ECM Runtime hh:mm:ss	3160:34:37	PowerSpec Version	4.1.0.8

Fuel Economy

Road Speed Governor	Value	Unit
Accelerator Max Road Speed	70	mph
Accelerator Upper Droop	0	mph
Accelerator Lower Droop	2	mph
Global Max Road Speed	70	mph
Accelerator Maximum Vehicle Speed Adjust (Smart RSG)	Disabled	
Road Speed Governor Enable	Enabled	
Load Based Speed Control	Value	Unit
Low Engine Speed Breakpoint	1800	rpm
High Engine Speed Breakpoint	1800	rpm
Gear Down Protection	Value	Unit
Gear Down Protection Light Load Vehicle Speed	60	mph
Gear Down Protection Heavy Load Vehicle Speed	62	mph
Gear Down Protection Feature	Enabled	
Idle Speed Control	Value	Unit
Idle Engine Speed	650	rpm
Idle Adjustment Switch	Enabled	
Idle Shutdown	Value	Unit
Idle Shutdown Timer	0:5:0	hh:mm:ss
Idle Shutdown Cold Ambient Air Temperature	30	°F
Idle Shutdown Intermediate Ambient Air Temperature	39	°F
Idle Shutdown Hot Ambient Air Temperature Override	81	°F
Idle Shutdown Percent PTO Load Override	100	%
Idle Shutdown	Enabled	
Idle Shutdown in PTO	Enabled	
Idle Shutdown Manual Override	Disabled	
Relay Diagnostic	Disabled	
Idle Shutdown Ambient Air Temperature Override	Disabled	
Driver Reward	Value	Unit

Speed Reward Mode	Both	
Driver Reward Best Idle Standard	10	%
Driver Reward Good Idle Standard	20	%
Driver Reward Expected Idle Standard	30	%
Best Speed Reward	0	mph
Good Speed Reward	0	mph
Expected Speed Reward	0	mph
Penalty Speed Reward	0	mph
Driver Reward Best Fuel Economy Standard	7.06	mpg
Driver Reward Good Fuel Economy Standard	6.47	mpg
Driver Reward Standard Expected Fuel Economy	6.03	mpg
Driver Reward	Disabled	
Fan Control	Value	Unit
Minimum Fan On Timer	180	sec
Fan Control Type	On/Off	
Fan Control Clutch Logic	0 Volts ON	
Var. Speed Fan Frequency	200	Hz
Fan On During Engine Braking	Disabled	
Fan Vehicle Speed Interaction	Disabled	
Manual Fan Switch	Disabled	
Fan Control A/C Press Switch	Enabled	
Fan Control	Enabled	

Driver Satisfaction

Cruise Control	Value	Unit
Maximum Cruise Control Speed	70	mph
Cruise Control Upper Droop	0.0	mph
Cruise Control Lower Droop	2.0	mph
Cruise Control Feature	Enabled	
Cruise Control Auto-Resume	Disabled	
Cruise Control Save Set Speed	Disabled	
Adaptive Cruise Control	Value	Unit
Adaptive Recovery	Key Cycle Not Required	
Adaptive Cruise Control	Disabled	
Engine Brakes	Value	Unit

Engine Brake Minimum Vehicle Speed	0	mph
Engine Brake Delay	0.0	sec
Cruise Control Speed Delta for Maximum Engine Brake	5.1	mph
Cruise Control Speed Delta for Minimum Engine Brake	4.0	mph
Driveline Brake Type	Engine Brake	
Engine Brake Cruise Control Activation	Disabled	
Engine Brake Service Brake Activation	Disabled	
Engine Brake Clutch Pedal Activation	Enabled	
Engine Brake Control Enable	Disabled	
Accelerator Control	Value	Unit
Accelerator Type	Automotive	
Remote Accelerator	Disabled	
Driver Initiated Override RSG	Value	Unit
Reserve Speed	Disabled	
Speed Increase	6	mph
Override Distance	124	mi

Asset Utilization

Maintenance Monitor	Value	Unit
Maintenance Monitor Mode	Distance	
Maintenance Monitor Fuel	166646	gal
Interval Factor	6.00	
Maintenance Monitor Distance Interval	49710	mi
Maintenance Monitor Time Interval	1023	h
Interval Alert Percentage	90	%
Maintenance Monitor	Disabled	
PTO/Remote PTO	Value	Unit
PTO Set Engine Speed	800	rpm
PTO Resume Engine Speed	800	rpm
PTO Maximum Engine Speed	800	rpm
PTO Minimum Engine Speed	800	rpm
PTO Maximum Vehicle Speed	2	mph
Remote PTO Speed Setting 1	1000	rpm
Remote PTO Speed Setting 2	1000	rpm
Remote PTO Speed Setting 3	1000	rpm

Remote PTO Speed Setting 4	1000	rpm
Remote PTO Speed Setting 5	1000	rpm
Remote PTO Number of Speed Settings	1	
PTO Maximum Engine Load	800	lb ft
PTO Engine Speed Accel/Coast Ramp Rate	250	rpm/s
PTO Additional Speed Switch Engine Speed	800	rpm
PTO Accelerator Override Maximum Engine Speed	2400	rpm
PTO Feature	Enabled	
PTO Remote Enable	Disabled	
PTO Accelerator Override	Disabled	
PTO Service Brake Override	Enabled	
PTO Clutch Override	Enabled	
PTO Alternate Enable	Disabled	
PTO Zero VSS Limit Enable	Disabled	

Asset Management

Trip Information	Value	Unit
Trip Information Vehicle Overspeed 1	0	mph
Trip Information Vehicle Overspeed 2	0	mph

Asset Protection

Powertrain Protection	Value	Unit
Max Torque-Axle/Driveshaft	32744	lb ft
Max Torque-Switched	1800	lb ft
Max Torque-Top Gear Range	5000	lb ft
Top Gear Range	2.00	Ratio
Intermediate Gear Range	16.00	Ratio
Bottom Gear Range	16.00	Ratio
Max Torque-Inter. Gear Range	5000	lb ft
Max Torque-Bottom Gear Range	5000	lb ft
Max Torque-Zero Vehicle Speed	5000	lb ft
Torque Limit Switch Usage	Active Closed	
Torque Limit Switch	Disabled	
Powertrain Protection	Disabled	
Engine Protection	Value	Unit
Engine Protection Shutdown Feature	Enabled	

Engine Protection Restart Inhibit	Enabled	
Engine Protection Shutdown Override	Disabled	
Anti-Tampering Measures	Value	Unit
Maximum Engine Speed without VSS	1400	rpm
Vehicle Speed Signal Tempering Sensitivity Level	High	
Vehicle Speed Sensor (VSS) Tamper Detection	Enabled	

Vehicle Setup

Vehicle Setup Parameters	Value	Unit
Rear Axle Ratio	2.64	
Tire Size	511	rev/mi
Number of Tailshaft Gear Teeth	16	
Vehicle Speed Sensor Type	Data Link - Tailshaft	
Cruise Control Switch Setup	Set/Coast (Resume/Accelerate)	
Clutch Switch	Installed	
OEM Ambient Air Temperature Sensor	Disabled	
J1939 Controls	Enabled	
J1939 Stop Broadcast Allowed	Enabled	
J1939 Service Reset	Enabled	
J1939 Trip Reset	Enabled	
Switched Droop Enable	N/A	
Switched Maximum Engine Speed	Value	Unit
Switched Maximum Engine Speed Feature	Disabled	
Switched Maximum Operating Speed	2131.00	rpm
Tire Wear Adjustment	Value	Unit
New Tires Installed	No	
Expected Percent Change in Tire Size	7	%
Expected Life of Tires	249947	mi
Tire Wear Adjustment	Disabled	
After-Treatment	Value	Unit
Diesel Particulate Filter Regeneration Start Switch	Disabled	
Diesel Particulate Filter Regeneration Permit Switch	Enabled	
Automatic Stationary DPF Regeneration	Disabled	
DPF Regeneration in PTO	Disabled	

DPF Regeneration Lamp	Enabled	
High Exhaust System Temperature Lamp	Enabled	
Active Due to Regeneration	Enabled	
Active Maximum Speed	5	mph
Inactive Temperature	662	°F
Active Temperature	752	°F
DPF Mobile Regeneration Vehicle Speed Threshold Enable	Enabled	
DPF Mobile Regeneration Vehicle Speed Threshold	5	mph
Transmission Setup	Value	Unit
Transmission Top Gear Ratio	1.00	Ratio
Transmission One Gear Down Ratio	1.34	Ratio
Transmission Type	Manual	
Throttle Settings	Value	Unit
Accelerator Interlock Switch Setup	Active Open	
Accelerator Interlock Enable	Disabled	
Remote Accelerator Mode	Remote Accelerator Pedal or Lever With Transition Verification	
Multi Accelerator Enable	N/A	

Asset Protection

Parameter Security	Value	Unit
Current Engine Master Password		
Current Engine OEM Password		
Current Engine Adjustment Password		
Engine Reset Password		

PowerSpec - Sudden Deceleration Data Report

Engine Type	ISX 07	ECM Code	AV10055.11	Last Tool Used	Insite
Engine Serial Number	79280430	Software Phase	134217752	Report Date	7/8/2009 10:51:43 AM
Unit Number	0000000000	ECM Runtime hh:mm:ss	3160:32:33	PowerSpec Version	4.1.0.8

Record 1

[View Record 2](#) [View Record 3](#)

Occurrence Date	N/A	Total ECM Run Time @ Occurrence (HH:MM:SS)	3125:35:21
Air Temp @ Occurrence (° F)	75	Occurrence Distance (miles)	143954.4

Time (Seconds)	Vehicle Speed (mph)	Engine Speed (rpm)	Engine Load (%)	Throttle (%)	Brake Status	Clutch Status	Cruise Status	Lamp Status
-59	8	593	15.6	12.4	-	On	-	-
-58	8	579	18.4	15.2	-	On	-	-
-57	8	589	25.8	18.8	-	On	-	-
-56	8	576	27.0	20.4	-	On	-	-
-55	8	598	40.2	26.4	-	On	-	-
-54	8	579	46.1	28.4	-	On	-	-
-53	8	595	53.1	32.0	-	On	-	-
-52	8	583	53.1	31.6	-	On	-	-
-51	8	593	52.7	31.6	-	On	-	-
-50	8	597	52.0	31.2	-	On	-	-
Time (Seconds)	Vehicle Speed (mph)	Engine Speed (rpm)	Engine Load (%)	Throttle (%)	Brake Status	Clutch Status	Cruise Status	Lamp Status
-49	8	603	50.0	30.4	-	On	-	-
-48	8	603	50.0	30.4	-	On	-	-
-47	8	608	49.2	30.4	-	On	-	-
-46	8	608	45.7	28.8	-	On	-	-
-45	8	610	44.9	28.8	-	On	-	-
-44	8	609	46.1	29.2	-	On	-	-
-43	8	630	44.5	29.2	-	On	-	-
-42	8	613	45.3	28.4	-	On	-	-
-41	8	626	43.8	28.4	-	On	-	-
-40	8	616	34.4	15.2	-	On	-	-
Time (Seconds)	Vehicle Speed (mph)	Engine Speed (rpm)	Engine Load (%)	Throttle (%)	Brake Status	Clutch Status	Cruise Status	Lamp Status
-39	8	625	33.2	0.0	-	On	-	-
-38	8	616	36.3	0.0	-	On	-	-
-37	8	621	33.6	0.0	-	On	-	-
-36	8	663	28.5	0.0	-	On	-	-

-35	8	785	0.0	0.0	-	On	-	-
-34	8	748	0.0	0.0	-	On	-	-
-33	8	715	1.6	0.0	-	On	-	-
-32	8	712	0.8	0.0	-	On	-	-
-31	8	707	0.0	0.0	-	On	-	-
-30	7	708	0.0	0.0	-	On	-	-
Time (Seconds)	Vehicle Speed (mph)	Engine Speed (rpm)	Engine Load (%)	Throttle (%)	Brake Status	Clutch Status	Cruise Status	Lamp Status
-29	7	691	0.0	0.0	-	On	-	-
-28	7	683	0.0	0.0	-	On	-	-
-27	7	675	0.0	0.0	On	On	-	-
-26	7	678	0.0	0.0	On	On	-	-
-25	6	677	0.0	0.0	On	On	-	-
-24	6	670	0.0	0.0	On	On	-	-
-23	6	653	0.0	0.0	On	On	-	-
-22	5	668	0.0	0.0	On	On	-	-
-21	5	663	0.0	0.0	On	On	-	-
-20	4	663	0.0	0.0	On	On	-	-
Time (Seconds)	Vehicle Speed (mph)	Engine Speed (rpm)	Engine Load (%)	Throttle (%)	Brake Status	Clutch Status	Cruise Status	Lamp Status
-19	4	655	0.0	0.0	On	On	-	-
-18	4	657	0.0	0.0	On	On	-	-
-17	3	656	0.0	0.0	On	On	-	-
-16	3	655	0.0	0.0	On	On	-	-
-15	2	653	0.0	0.0	On	On	-	-
-14	1	650	0.0	0.0	On	On	-	-
-13	1	654	0.0	0.0	On	On	-	-
-12	1	653	0.0	0.0	On	On	-	-
-11	0	652	0.0	0.0	On	On	-	-
-10	13	653	0.0	0.0	On	On	-	-
Time (Seconds)	Vehicle Speed (mph)	Engine Speed (rpm)	Engine Load (%)	Throttle (%)	Brake Status	Clutch Status	Cruise Status	Lamp Status
-9	10	649	0.0	0.0	On	On	-	-
-8	6	650	0.0	0.0	On	On	-	-
-7	4	651	0.0	0.0	On	On	-	-
-6	2	650	0.0	0.0	On	On	-	-
-5	1	645	0.0	0.0	On	On	-	-
-4	1	653	0.0	0.0	On	On	-	-
-3	0	652	0.0	0.0	On	On	-	-
-2	0	653	0.0	0.0	On	On	-	-
-1	0	648	0.0	0.0	On	On	-	-
0	0	647	0.0	0.0	On	On	-	-

Time (Seconds)	Vehicle Speed (mph)	Engine Speed (rpm)	Engine Load (%)	Throttle (%)	Brake Status	Clutch Status	Cruise Status	Lamp Status
1	0	648	0.0	0.0	On	On	-	-
2	0	654	0.0	0.0	On	On	-	-
3	0	650	0.0	0.0	On	On	-	-
4	0	648	0.0	0.0	On	On	-	-
5	0	642	0.0	0.0	-	On	-	-
6	0	649	0.0	0.0	-	On	-	-
7	0	638	0.8	0.0	-	On	-	-
8	0	619	6.3	0.0	-	On	-	-
9	0	609	8.6	0.0	-	On	-	-
10	0	623	12.9	0.0	-	On	-	-
Time (Seconds)	Vehicle Speed (mph)	Engine Speed (rpm)	Engine Load (%)	Throttle (%)	Brake Status	Clutch Status	Cruise Status	Lamp Status
11	0	646	9.4	0.0	-	On	-	-
12	0	643	8.2	0.0	-	On	-	-
13	0	640	10.2	0.0	-	On	-	-
14	0	632	11.7	0.0	-	On	-	-
15	0	640	11.7	0.0	-	On	-	-

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Occurrence Date	N/A	Total ECM Run Time @ Occurrence (HH:MM:SS)	3160:24:55
Air Temp @ Occurrence (° F)	99	Occurrence Distance (miles)	145566.5

Time (Seconds)	Vehicle Speed (mph)	Engine Speed (rpm)	Engine Load (%)	Throttle (%)	Brake Status	Clutch Status	Cruise Status	Lamp Status
-59	70	1566	57.8	0.0	-	-	On	-
-58	70	1565	60.5	0.0	-	-	On	-
-57	70	1566	61.3	0.0	-	-	On	-
-56	70	1563	63.3	0.0	-	-	On	-
-55	70	1568	64.8	0.0	-	-	On	-
-54	70	1570	66.4	0.0	-	-	On	-
-53	70	1568	65.6	0.0	-	-	On	-
-52	70	1567	66.8	0.0	-	-	On	-
-51	70	1566	68.4	0.0	-	-	On	-
-50	70	1563	68.8	0.0	-	-	On	-
Time (Seconds)	Vehicle Speed (mph)	Engine Speed (rpm)	Engine Load (%)	Throttle (%)	Brake Status	Clutch Status	Cruise Status	Lamp Status
-49	70	1568	69.1	0.0	-	-	On	-
-48	70	1567	70.7	0.0	-	-	On	-
-47	70	1572	70.7	0.0	-	-	On	-

-46	70	1565	71.5	0.0	-	-	On	-
-45	70	1568	72.7	0.0	-	-	On	-
-44	70	1562	71.9	0.0	-	-	On	-
-43	70	1568	73.0	0.0	-	-	On	-
-42	70	1574	73.8	0.0	-	-	On	-
-41	70	1569	72.7	0.0	-	-	On	-
-40	70	1568	74.2	0.0	-	-	On	-
Time (Seconds)	Vehicle Speed (mph)	Engine Speed (rpm)	Engine Load (%)	Throttle (%)	Brake Status	Clutch Status	Cruise Status	Lamp Status
-39	70	1566	72.7	0.0	-	-	On	-
-38	70	1568	73.8	0.0	-	-	On	-
-37	70	1559	73.0	0.0	-	-	On	-
-36	70	1568	73.0	0.0	-	-	On	-
-35	70	1571	72.3	0.0	-	-	On	-
-34	70	1576	71.5	0.0	-	-	On	-
-33	70	1569	71.5	0.0	-	-	On	-
-32	70	1567	70.3	0.0	-	-	On	-
-31	70	1575	69.5	0.0	-	-	On	-
-30	70	1566	69.5	0.0	-	-	On	-
Time (Seconds)	Vehicle Speed (mph)	Engine Speed (rpm)	Engine Load (%)	Throttle (%)	Brake Status	Clutch Status	Cruise Status	Lamp Status
-29	70	1575	69.1	0.0	-	-	On	-
-28	70	1574	68.4	0.0	-	-	On	-
-27	70	1572	67.2	0.0	-	-	On	-
-26	70	1578	66.0	0.0	-	-	On	-
-25	70	1571	66.0	0.0	-	-	On	-
-24	70	1570	65.2	0.0	-	-	On	-
-23	70	1571	63.7	0.0	-	-	On	-
-22	70	1569	62.5	0.0	-	-	On	-
-21	70	1578	62.9	0.0	-	-	On	-
-20	70	1573	61.7	0.0	-	-	On	-
Time (Seconds)	Vehicle Speed (mph)	Engine Speed (rpm)	Engine Load (%)	Throttle (%)	Brake Status	Clutch Status	Cruise Status	Lamp Status
-19	70	1578	61.7	0.0	-	-	On	-
-18	70	1579	61.3	0.0	-	-	On	-
-17	70	1569	60.5	0.0	-	-	On	-
-16	70	1574	60.9	0.0	-	-	On	-
-15	70	1570	60.5	0.0	-	-	On	-
-14	70	1573	61.3	0.0	-	-	On	-
-13	70	1579	63.7	0.0	-	-	On	-
-12	70	1572	62.1	0.0	-	-	On	-
-11	70	1581	62.9	0.0	-	-	On	-
-10	70	1440	58.6	0.0	-	On	-	-

Time (Seconds)	Vehicle Speed (mph)	Engine Speed (rpm)	Engine Load (%)	Throttle (%)	Brake Status	Clutch Status	Cruise Status	Lamp Status
-9	67	1430	0.0	0.0	-	-	-	-
-8	65	1319	0.0	0.0	-	-	-	-
-7	63	1365	0.0	0.0	-	-	-	-
-6	61	982	0.0	0.0	-	-	-	-
-5	54	653	39.5	0.0	-	-	-	-
-4	43	517	66.8	30.8	-	-	-	-
-3	33	617	0.0	0.0	-	-	-	-
-2	27	600	0.0	0.0	-	-	-	-
-1	24	644	11.7	0.0	-	-	-	-
0	22	572	48.8	0.0	-	-	-	-
Time (Seconds)	Vehicle Speed (mph)	Engine Speed (rpm)	Engine Load (%)	Throttle (%)	Brake Status	Clutch Status	Cruise Status	Lamp Status
1	20	343	67.6	0.0	-	-	-	-
2	18	419	0.0	0.0	-	-	-	-
3	16	380	0.0	0.0	-	-	-	-
4	15	441	0.0	0.0	-	-	-	-
5	15	383	0.0	0.0	-	-	-	-
6	14	420	0.0	0.0	-	-	-	-
7	14	379	0.0	0.0	-	-	-	-
8	14	405	0.0	0.0	-	-	-	-
9	13	378	0.0	0.0	-	-	-	-
10	13	381	0.0	0.0	-	-	-	-
Time (Seconds)	Vehicle Speed (mph)	Engine Speed (rpm)	Engine Load (%)	Throttle (%)	Brake Status	Clutch Status	Cruise Status	Lamp Status
11	13	192	0.0	0.0	-	-	-	-
12	11	147	0.0	0.0	-	-	-	-
13	9	0	0.0	0.0	-	-	-	-
14	8	174	0.0	0.0	-	-	-	-
15	5	162	0.0	0.0	-	-	-	-

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Occurrence Date	N/A	Total ECM Run Time @ Occurrence (HH:MM:SS)	3066:59:3
Air Temp @ Occurrence (° F)	85	Occurrence Distance (miles)	141390.2

Time (Seconds)	Vehicle Speed (mph)	Engine Speed (rpm)	Engine Load (%)	Throttle (%)	Brake Status	Clutch Status	Cruise Status	Lamp Status
-59	10	762	0.0	0.0	-	-	-	-
-58	10	756	0.0	0.0	-	-	-	-
-57	10	752	0.0	0.0	-	-	-	-
-56	10	743	0.0	0.0	-	-	-	-
-55	10	742	0.0	0.0	-	-	-	-
-54	10	746	0.0	0.0	-	-	-	-
-53	10	730	0.0	0.0	On	-	-	-
-52	10	723	0.0	0.0	On	-	-	-
-51	10	723	0.0	0.0	On	-	-	-
-50	10	717	0.0	0.0	On	-	-	-
Time (Seconds)	Vehicle Speed (mph)	Engine Speed (rpm)	Engine Load (%)	Throttle (%)	Brake Status	Clutch Status	Cruise Status	Lamp Status
-49	10	705	0.0	0.0	On	-	-	-
-48	10	707	0.0	0.0	On	On	-	-
-47	10	639	5.1	0.0	On	On	-	-
-46	10	656	2.3	0.0	On	On	-	-
-45	10	673	0.0	0.0	On	On	-	-
-44	9	664	0.0	0.0	On	On	-	-
-43	9	664	0.0	0.0	On	On	-	-
-42	9	661	0.0	0.0	On	On	-	-
-41	9	664	0.0	0.0	On	On	-	-
-40	9	669	0.0	0.0	On	On	-	-
Time (Seconds)	Vehicle Speed (mph)	Engine Speed (rpm)	Engine Load (%)	Throttle (%)	Brake Status	Clutch Status	Cruise Status	Lamp Status
-39	9	668	0.0	0.0	On	On	-	-
-38	9	671	0.0	0.0	On	On	-	-
-37	9	680	0.0	0.0	On	On	-	-
-36	9	666	0.0	0.0	On	On	-	-
-35	9	643	2.3	0.0	On	On	-	-
-34	9	659	0.4	0.0	On	On	-	-
-33	9	672	0.0	0.0	On	On	-	-
-32	9	655	0.0	0.0	On	On	-	-
-31	9	646	2.3	0.0	On	On	-	-
-30	9	664	0.0	0.0	On	On	-	-
Time (Seconds)	Vehicle Speed (mph)	Engine Speed (rpm)	Engine Load (%)	Throttle (%)	Brake Status	Clutch Status	Cruise Status	Lamp Status
-29	8	666	0.0	0.0	On	On	-	-
-28	8	660	0.0	0.0	On	On	-	-
-27	8	656	0.0	0.0	-	On	-	-
-26	8	661	0.0	0.0	On	On	-	-
-25	7	653	0.0	0.0	On	On	-	-

-24	7	652	0.0	0.0	On	On	-	-
-23	7	657	0.0	0.0	On	On	-	-
-22	7	658	0.0	0.0	On	On	-	-
-21	7	654	0.0	0.0	On	On	-	-
-20	7	652	0.0	0.0	On	On	-	-
Time (Seconds)	Vehicle Speed (mph)	Engine Speed (rpm)	Engine Load (%)	Throttle (%)	Brake Status	Clutch Status	Cruise Status	Lamp Status
-19	7	649	0.0	0.0	On	On	-	-
-18	7	650	0.0	0.0	On	On	-	-
-17	7	653	0.0	0.0	On	On	-	-
-16	6	653	0.0	0.0	On	On	-	-
-15	6	651	0.0	0.0	On	On	-	-
-14	5	652	0.0	0.0	On	On	-	-
-13	5	647	0.0	0.0	On	On	-	-
-12	4	654	0.0	0.0	On	On	-	-
-11	25	653	0.0	0.0	On	On	-	-
-10	23	648	0.0	0.0	On	On	-	-
Time (Seconds)	Vehicle Speed (mph)	Engine Speed (rpm)	Engine Load (%)	Throttle (%)	Brake Status	Clutch Status	Cruise Status	Lamp Status
-9	14	652	0.0	0.0	-	On	-	-
-8	8	648	0.0	0.0	-	On	-	-
-7	5	649	0.0	0.0	-	On	-	-
-6	3	648	0.0	0.0	-	On	-	-
-5	2	649	0.0	0.0	-	On	-	-
-4	1	652	0.0	0.0	-	On	-	-
-3	1	652	0.0	0.0	-	On	-	-
-2	0	644	0.0	0.0	-	On	-	-
-1	0	653	0.0	3.6	-	On	-	-
0	0	633	0.8	3.6	-	On	-	-
Time (Seconds)	Vehicle Speed (mph)	Engine Speed (rpm)	Engine Load (%)	Throttle (%)	Brake Status	Clutch Status	Cruise Status	Lamp Status
1	0	627	3.5	4.8	-	On	-	-
2	0	615	7.8	7.2	-	On	-	-
3	0	613	14.5	10.0	-	On	-	-
4	0	629	13.7	11.6	-	On	-	-
5	0	637	14.5	13.6	-	On	-	-
6	0	659	14.5	14.4	-	On	-	-
7	0	719	12.9	15.6	-	On	-	-
8	0	802	11.3	16.8	-	On	-	-
9	0	872	9.0	16.4	-	On	-	-
10	0	926	7.0	16.4	-	On	-	-
Time (Seconds)	Vehicle Speed (mph)	Engine Speed (rpm)	Engine Load (%)	Throttle (%)	Brake Status	Clutch Status	Cruise Status	Lamp Status

11	0	950	5.5	16.8	-	On	-	-
12	0	967	5.9	17.2	-	On	-	-
13	0	998	4.7	17.2	-	On	-	-
14	0	1019	5.9	18.0	-	On	-	-
15	0	1044	5.1	18.8	-	On	-	-