National Transportation Safety Board
Office of Highway Safety
Washington, DC 20594

HWY24FH013

TECHNICAL RECONSTRUCTION ATTACHMENT

Mack ECU Report

(59 Pages)

DELTA [v]
Forensic Engineering

MACK
Data Imaging Report
HWY24MH013
1M1AN3GY6KM007078
AN (M742) 007078

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DELTA [v] Ref: E15293

Reported by: Digitally signed by Amit Patel Date: 2024.10.07 11:57:19 -04'00'

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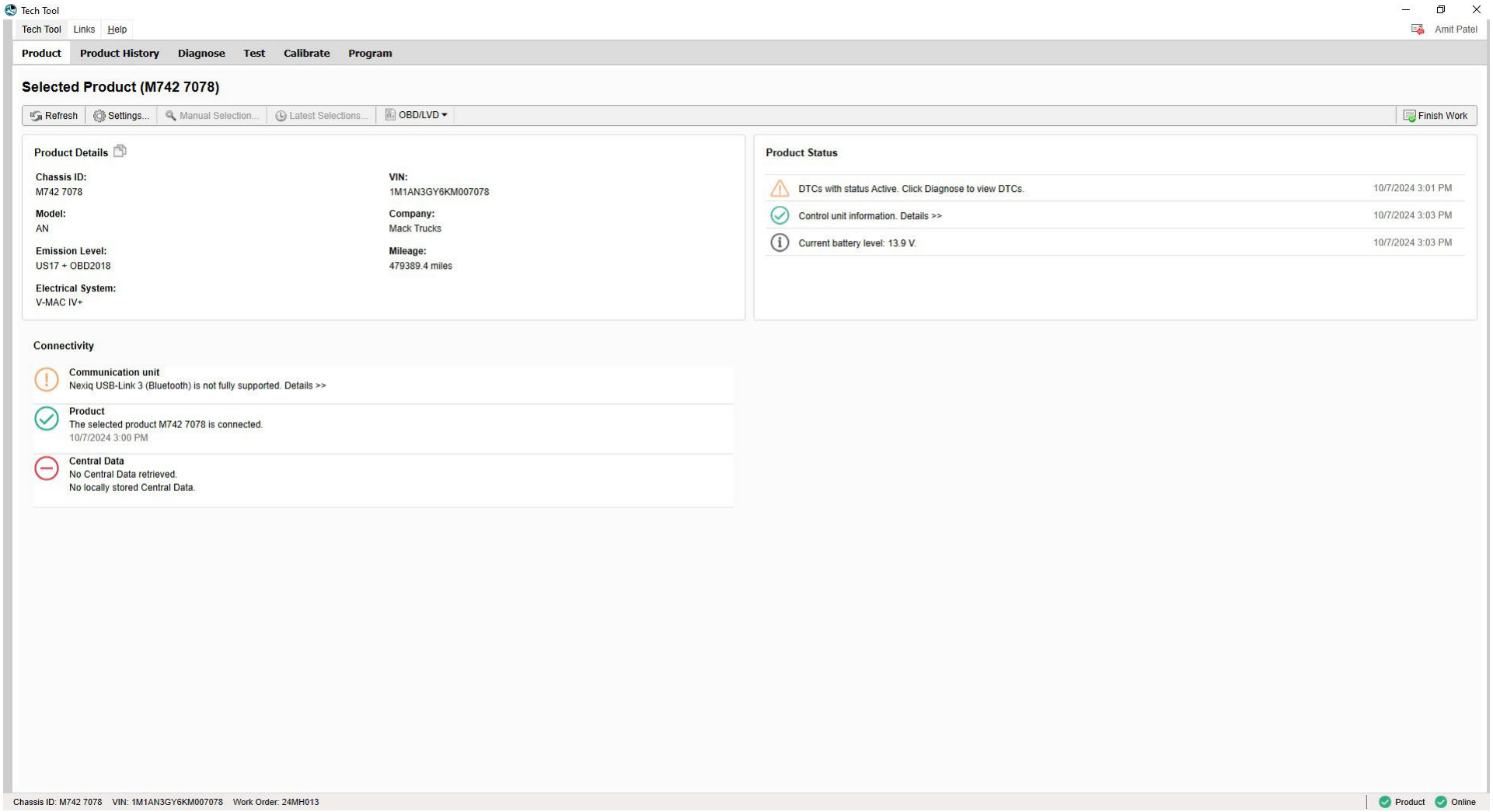
2. Premium Tech Tool

2.1. Selected Product



2.2. Product History Report

VIN: 1M1AN3GY6KM007078
Chassis ID: M742 7078
Model: AN
Reg. Number:

Mileage: 479389.4 miles
Printed: 10/7/2024 3:18 PM

Work Order Notes:

Start time:	Session ID:	Work Order:	User ID:	Partner 10:
1017/2024 3:03:02 PM	M742007078071503024	24MH013	M764844	US585027
HWY24MH013				

Parameter Programming: 1700-22-03-03 - Parameter, programming

Start time:	End Time:	Status:	Work Order:	User ID:	Partner ID:
1017/2024 3:16:36 PM	1017/2024 3:18'42 PM	Passed **Session ID:** M742007078071503024	24MH013	M764844	US585027

Test: 2545-08-03-04 - Exhaust Aftertreatment System Logged Data

Start time:	End Time:	Status:	Work Order:	User ID:	Partner ID:
1017/2024 3:15:41 PM	1017/2024 3:16:21 PM	Passed **Session ID:** M742007078071503024	24MH013	M764844	US585027

Test: 2000-08-03-07 - Engine Protection Data

Start time:	End Time:	Status:	Work Order:	User ID:	Partner ID:
1017/2024 3:15:03 PM	1017/2024 3:15:33 PM	Passed Session ID: M742007078071503024	24MH013	M764844	US585027

Test: 2000-08-03-05 - Fuel Consumption Data

Start time:	End Time:	Status:	Work Order:	User ID:	Partner ID:
1017/2024 3:13:43 PM	1017/2024 3:15:00 PM	Passed **Session ID:** M742007078071503024	24MH013	M764844	US585027

Test: 1700-08-03-38 - Product Information

Start time:	End Time:	Status:	Work Order:	User ID:	Partner ID:
1017/2024 3:13:26 PM	1017/2024 3:13'38 PM	Passed Session ID: M742007078071503024	24MH013	M764844	US585027

Test: 1700-08-03-16 - Vehicle histograms, configuration and reports

Start time:	End Time:	Status:	Work Order:	User ID:	Partner ID:
1017/2024 3:08:06 PM	1017/2024 3:13:22 PM	Passed **Session ID:** M742007078071503024	24MH013	M764844	US585027

Test: 1700-08-03-05 - Vehicle Life and Trip, Report

Start time:	End Time:	Status:	Work Order:	User ID:	Partner ID:
1017/2024 3:04:50 PM	1017/2024 3:08:00 PM	Passed **Session ID:** M742007078071503024	24MH013	M764844	US585027

DTC Readout :

Start time:	Session ID:	Work Order:	User ID:	Partner ID:
1017/2024 3:04:21 PM	M742007078071503024	24MH013	M764844	US585027

LVD Readout: Automatic

Start time:	Session ID:	Work Order:	User ID:	Partner ID:
1017/2024 3:03:46 PM	M742007078071503024	24MH013	M764844	US585027

Control Unit Information :

Start time:	Session ID:	Work Order:	User ID:	Partner ID:
1017/2024 3:03:02 PM	M742007078071503024	24MH013	M764844	US585027

DTC Readout :

Start time:	Session ID:	Work Order:	User ID:	Partner ID:
1017/2024 3:01:20 PM	M742007078071503024	24MH013	M764844	US585027

Vehicle/Machine Time: **Engine hours:** 13273.1712

Control Unit	OTC	Status	Count	First Occurrence	Last Occurrence
Engine Control Module (EMS)	P250A13: Engine Oil Level Sensor, Circuit open	Active			
Engine Control Module (EMS)	P20DD13: ExhaustAflertreatment Fuel Pressure Sensor, Circuit open	Active			
Engine Control Module (EMS)	P02E613: Diesel Intake Air Flow Position Sensor, Circuit open	Active			
Engine Control Module (EMS)	U029D00: Lost Communication with NOx Sensor A, No additional information	Active			
Engine Control Module (EMS)	U029E00: Lost Communication with NOx Sensor B, No additional information	Active			
Engine Control Module (EMS)	U116F00: Lost Communication with Reductant Control Module on Engine Subnet, No additional information	Active			
Engine Control Module (EMS)	P019013: Fuel Rail Pressure Sensor Bank **1,** Circuit open	Active			
Engine Control Module (EMS)	P040913: EGR Differential Pressure Sensor, Circuit open	Active			
Engine Control Module (EMS)	P010513: Manifold Absolute Pressure/Barometric Pressure Sensor. Circuit open	Active			
Engine Control Module (EMS)	P019513: Engine Oil Temperature Sensor '"A", Circuit open	Active			
Engine Control Module (EMS)	P009513: Intake Air Temperature Sensor 2 Bank **1,** Circuit open	Active			
Engine Control Module (EMS)	P054300: Intake Air Heater A Circuit Open, No additional information	Active			
Engine Control Module (EMS)	P052013: Engine Oil Pressure Sensor/Switch "A", Circuit open	Active			
Engine Control Module (EMS)	P260513: Intake Air Heater "B" Contrd, Circuit open	Active			
Engine Control Module (EMS)	P055A13: Engine Oil Pressure Sensor/Switch '"B", Circuit open	Active			
Engine Control Module (EMS)	P255613: Engine Coolant Level Sensor/Switch, Circuit open	Active			
Engine Control Module (EMS)	P011513: Engine Coolant Temperature Sensor 1, Circuit open	Active			
Engine Control Module (EMS)	P051A13: Crankcase Pressure Sensor, Circuit open	Active			
Engine Control Module (EMS)	P011013: Intake Air Temperature Sensor 1 Bank 1, Circuit open	Active			

Engine Control Module (EMS)	P040A13: Exhaust Gas Recirculation Temperature Sensor "A", Circuit open	Active			
Engine Control Module (EMS)	P20D713: ExhaustAflertreatrnent Fuel Supply Control, Circuit open	Active			
Engine Control Module (EMS)	P02E013: Diesel Intake Air Flow Control, Circuit open	Active			
Engine Control Module (EMS)	P2CE113: Intake Air Heater "C" Circuit/Open, Circuit open	Active			
Engine Control Module (EMS)	P25A913: Piston Cooling Oil Control, Circuit open	Active			
Engine Control Module (EMS)	P24F813: Exhaust Aftertreatment Fuel Air Purge Valve Control Circuit, Circuit open	Active			
Engine Control Module (EMS)	P048013: Fan 1 Control Circuit, Circuit open	Active			
Engine Control Module (EMS)	P113713: Oil Thermostat, Circuit open	Active			
Engine Control Module (EMS)	P269713: ExhaustAflertreatment Fuel Injector "A", Circuit open	Active			
Engine Control Module (EMS)	U015500: Lost Communication Wth Instrument Panel Cluster (IPC) Control Module, No additional infonmation	Active			
Engine Control Module (EMS)	U032300: Software Incompatibility Wth Instrument Panel Control Module, No additional information	Active			
Engine Control Module (EMS)	U033100: Software Incompatibility Wth Body Control Module "A", No additional information	Active			
Engine Control Module (EMS)	U012100: Lost Communication with Anti-Lock Brake System (ABS) Control Module, No additional infonmation	Active			
Engine Control Module (EMS)	U014100: Lost Communication with VMCU, No additional information	Active			
Engine Control Module (EMS)	U010E00: Lost Communication with Aflertreatment Control Unit, No additional information	Active			
Engine Control Module (EMS)	U010100: Lost Communication with TECU, No additional information	Active			
Engine Control Module (EMS)	U116C00: Lost Communication with TCM on Powertrain CAN, No additional infonmation	Active			
Engine Control Module (EMS)	U010C00: Lost Communication with Turbocharger/ Supercharger Control Unit A, No additional information	Active			
Engine Control Module (EMS)	U02A300: Lost Communication with PM Sensor, No additional information	Active			
Vehicle ECU (MID 144)	SID 244: CC enable switch, FMI 12: Faulty device or component	Active			
Vehicle ECU (MID 144)	SID 243: CC set switch, FMI 12: Faulty device or component	Active			
Vehicle ECU (MID 144)	PPID 1592: Cruise Control panel, FMI 12: Faulty **device or component**	Active			
Vehicle ECU (MID 144)	PSID 230: Critical MSW Error or Improper Shutdown, FMI 9: Abnormal update rate	Inactive	4	711012024 4 36 00 AM	7/23/2024 7 53 00 PM
Vehicle ECU (MID 144)	PSID 230: Critical MSW Error or Improper Shutdown, FMI 5: Current below normal or open circuit	Active			
Vehicle ECU (MID 144)	PSID 204: Data Link, MID136, FMI 9: Abnormal update rate	Active			
Vehicle ECU (MID 144)	PPID 3: Starter Output, FMI 3: Voltage above normal or shorted to higher voltage	Active			
Vehicle ECU (MID 144)	PSID 210: Data Link, MID216, FMI 9:Abnormal update rate	Active			

Vehicle ECU (MID 144)	PSID 202: Data Link, MID140, FMI 9:Abnormal update rate	Active		
Vehicle ECU (MID 144)	PSID 207: Data link, MID223, FMI 9: Abnonmal update rate	Active		
Vehicle ECU (MID 144)	PSID 205: Data link, MID130, FMI 9: Abnonmal update rate	Active		
Vehicle ECU (MID 144)	PSID 200 Data Link, MID128, FMI 9:Abnormal update rate	Active	2	7/18/2024 6 24 00 AM

2.3. Engine Protection Data

Engine Protection Data

Print report

	Numberofoccurrences	Value	Lifetime value	Duration	Total time
Engine Coolant Temperature (ECT)			218.75 °F	0s	0s
Engine coolant level (EGL)	14			0s	1761 s
Enoine oil temperature (EOT)			239.81 °F	0s	0s
Oil pressure		268 psi		1s	1s
Crankcase pressure			1.77 psi	0s	0s
Exhaust Affertreatment System			-457.87F	0s	0s

Engine, Total Running Time, Log: 13273.17 h

2000-08-03-07 Engine Protection Data

Information» Exea..Jtion >> Result

Information

Engine protection is triggered and data is stored when events such as e g coolant temperature or oil pressure exceeds or is less than predefined limits

El Note:These 'llalues cannot be erasec:t

Number of occurrences

Number oftimes engine protection has been actMated

Value

Maximum or minimum value ofthe latest engine protection activation

Lifetime value

Maximum or minimum value logged during the engine's lifetime

f ouration

Duration of latest engine protection activation

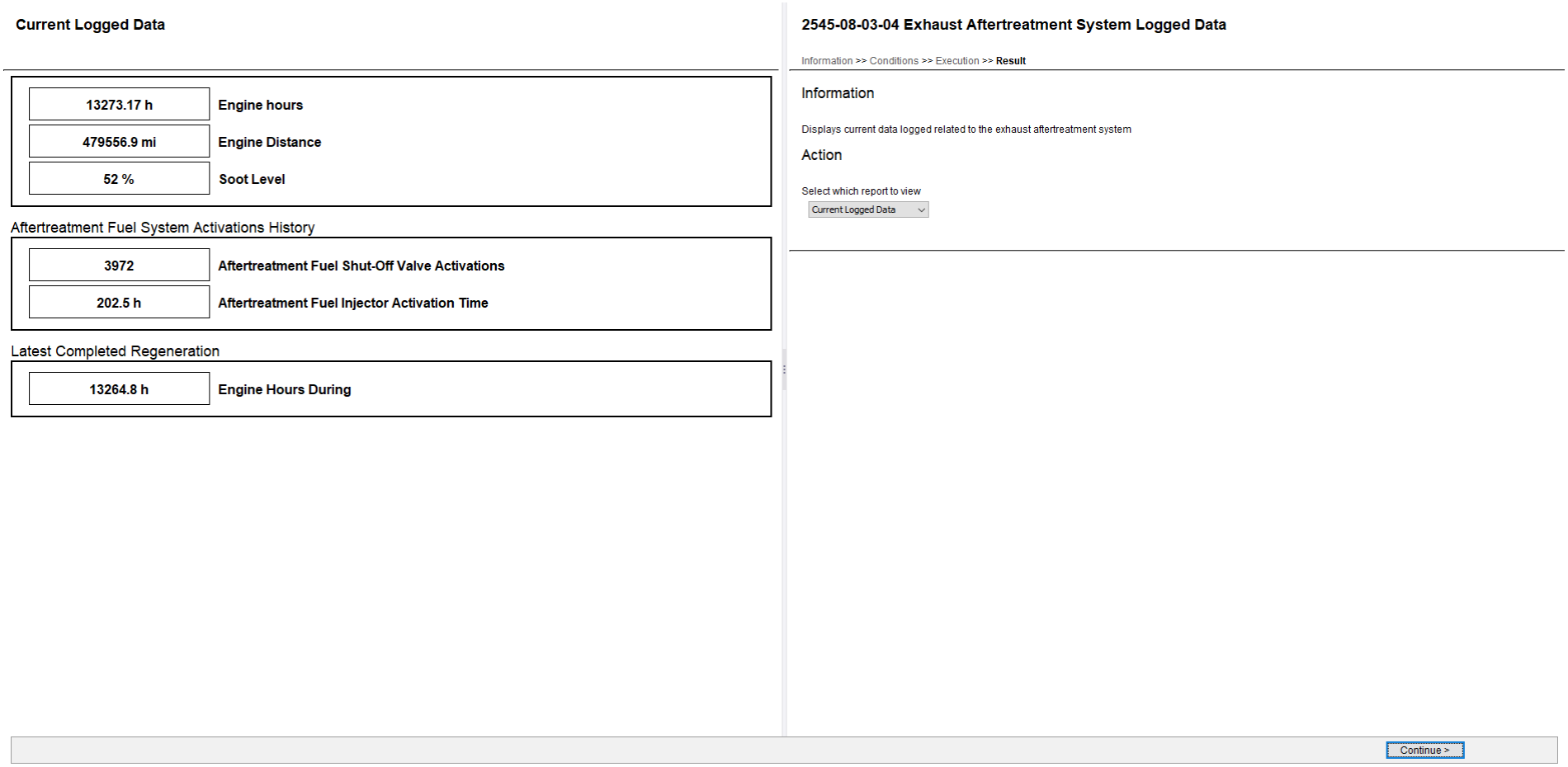
f_ Total time

Total amount of time engine protection has been active

Continue >

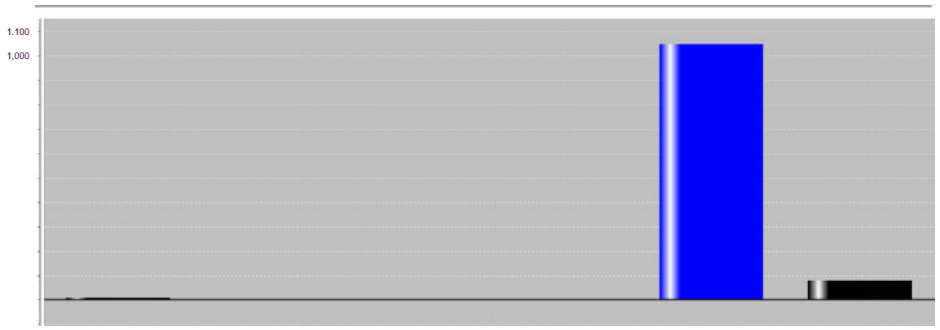
2.4. Exhaust Aftertreatment System Logged Data

2.4.1. Current Logged Data



2.4.2. Regeneration Triggers

Regeneration Triggers



Column	Regeneration Initiated	Regeneration Events
	Manual Regenerations	
	DistanceTriQQer	
	Fuel Trigger	
	Time Trigger	
	SootTriQQer(1)	1049
	Soot Trigger (2)	79

2545-08-03-04 Exhaust Aftertreatment System Logged Data

Information »Conditions» Exea.Jtion >> Result

Information

Regenieration ofthe diesel particulate filter can be initiated when data that is acrumulated in certain le1Jels (triggers), or by a manual request from the vehicle operator

Trigger categories indude·

1 Manual Regenerations: Manual activations by tne vehicle operator *or* service technician
2 Distance Trigger: Calculated soot load in the DPF based the distance driven
3 Fuel Trigger: Calculated soot load in tne □PF based on the volume of fuel consumed
4 Time Trigger: Calculated soot load in the □PF based on the elapsed operation time
5 Soot Trigger 11): Calculated soot load in the DPF based on readinos from the DPF differential pressure sensor
6 Soot Trigger 12): Calculated soot load in the DPF based on the projected rate of soot accumulation in the relation to the amount that is passively rei;;ienerated during normal operation

Action

Select which report to view

Regeneration Triggers v

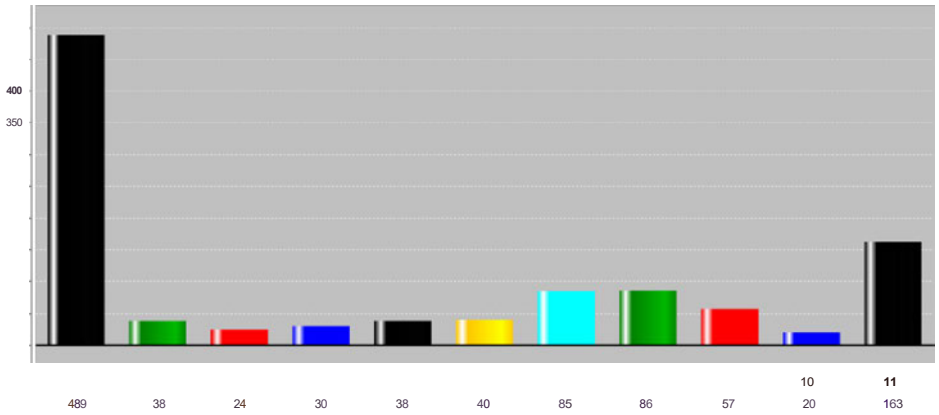
Continue >

2.4.3. Completion History

Completion History

2545-08-03-04 Exhaust Aftertreatment System Logged Data

Information »Conditions» Exea.Jtion >> Result



Information

Displays information about the number of regenerations performed and the percent complete of the performed regenieration

Action

Select which report to view

CompletionHistory

Column	Completion Percentage	Number of times
	0-10%	'89
	10-20%	38
	20- 30%	24
	30-40%	30
	40- 50%	38
	50- 60%	40
7.	60- 70%	85
	70-80%	86
	80-90%	57
10	90-100%	20
11.	100%	163

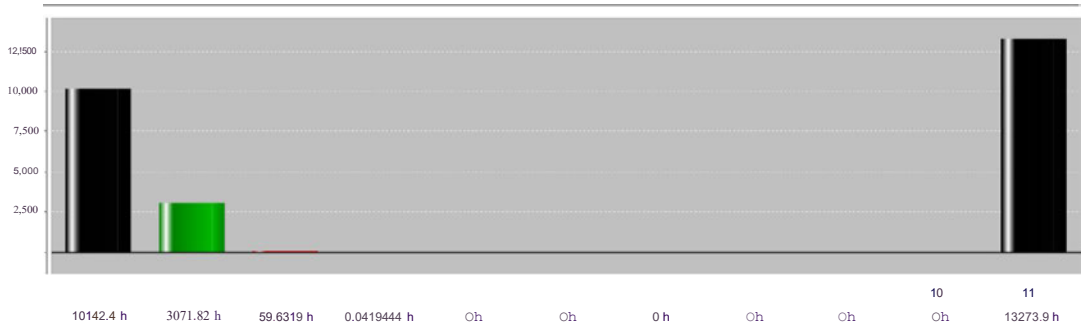
Continue >

2.4.4. DPF Differential Pressure

DPF Pressure Regions

2545-08-03-04 Exhaust Aftertreatment System Logged Data

Information>> Conditions» Elecution » Result



Information

Displays time spent in the different pressure regions

Action

Select which report to view

DPF DifferentialPresswre

Column	Pressure Range	Time Spent in Range
	0- 3 kPa (0- 04 psi)	10142.4 h
	3- 6 kPa (0.4- 0.9 psi)	3071.82 h
	6- 9 kPa (0.9- 1 3 psi)	59.6319 h
	9-12kPa{1.3-1.7 psi)	0.0419444 h
	12-18 kPa (1.7- 2 6 psi)	Oh
	18-21 kPa(2.6-3psi)	0 h
7.	21- 24 kPa (3- 3.5 psi)	Oh
	24- 27 kPa (35- 3 9 psi)	0 h
9.	27- 32 kPa (3.9- 4.6 psi)	Oh
10	> 32 kPa (4.6 psi)	Oh
11.	Total time	13273.9 h

[coiii;nue:::::J

2.5. Vehicle Life and Trip, Report

2.5.1. Service Trip - Table

1700-08-03-05 Vehicle Life and Trip, Report

07 Oct 2024 15:06:23 GMT

User name	Amit Patel	Vehicle Identification Number (VIN)	1M1AN3GY6KM007078
Partner ID	US585027	Company	MACK
Fleet ID		Model	AN
Chassis ID	M742 007078	Build date	01 Jan 0001 00:00:00 GMT
Emission level	US18	Odometer	479580 mi

Service trip

	Timehh:mm:ss	Fuel	Distance	Consumption	Time%	Fuel%	Distance%
1. Moving	3241.8 h	28113.9 galUS	479389.6 mi	17.1 mi/galUS	72.7 %	37.5 %	-
2. Cruise Control	2303.9 h	22729.5 galUS	147613.4 mi	6.5 mi/galUS	51.7 %	30.4 %	30.8 %
3. Idle (All)	1215.4 h	777 galUS	-	-	27.3 %	1 %	-
4. Idle (True)	1200.6 h	761.8 galUS	-	-	26.9 %	1 %	-
5. Qualified Idle	1080.3 h	693.8 galUS	-	-	24.2 %	0.9 %	-
6. Power Take Off (PTO) 1	0.3 h	1 galUS	-	-	0.0 %	0.0 %	-
7. Power Take Off (PTO) 2	0 h	0 galUS	-	-	0 %	0 %	-
8. PTO1 Moving	0.1 h	0.7 galUS	4.4 mi	5.9 mi/galUS	0.0 %	0.0 %	0.0 %
9. PTO2 Moving	0 h	0 galUS	0 mi	0	0 %	0 %	0 %
10. Hand throttle	0.2 h	0.3 galUS	0 mi	0	0.0 %	0.0 %	0 %
11. Sweet Spot	2566 h	23283.7 galUS	148214.9 mi	6.4 mi/galUS	57.6 %	31.1 %	30.9 %
12. Highest gear	6738.9 h	60555.1 galUS	422358.6 mi	7 mi/galUS	151.2 %	80.9 %	88.1 %
13. Total	**4457.2 h**	**74885.1 galUS**	**479389.6 mi**	**6.4 mi/galUS**			

Exhaust Aftertreatment System Consumption Totals

Diesel Exhaust Fluid	2518.88 galUS	Fuel, Parked Regeneration	9.34377 galUS

1 **Moving:** The vehicle is in motion (being driven)
2 **CruiseControl:** The vehicle speed is being controlled by the cruise control function
3 **Idle(All):** The engine is running with no vehicle speed
4 **Idle(True):** The engine is running, with no vehicle speed, PTO1 and 2 are OFF, an electronic hand throttle is not active and the accelerator pedal position is less than 2%
5 **QualifiedIdle:** The engine is running, with no vehicle speed, for longer than the qualified idle threshold value (parameter ZXM), which can be configured through parameter programming for some vehicles (parameter ZXM)
6 **Power Take Off (PTO) 1:** Power Take Off (PTO) 1 mode is active
7 **Power Take Off (PTO) 2:** Power Take Off (PTO) 2 mode is active
8 **PTO1Moving:** Power Take Off (PTO) 1 mode is active and the vehicle is moving
9 **PTO2Moving:** Power Take Off (PTO) 2 mode is active and the vehicle is moving
10 **Handthrottle:** The electronic hand throttle is active
11 **Sweet Spot:** The engine is being operated within the speed and load range for optimal fuel ecomony
12 **Highestgear:** Vehicle driven in highest gear
13 **Total:** The total accumulated values and overall fuel consumption

2.5.2. Life of Vehicle - Table

1700-08-03-05 Vehicle Life and Trip, Report
07 Oct 2024 15:06:23 GMT

uc.er name	Amit Patel	Vehicle Iirntification Noo-11:ler (VIN)	1M1AN3GY6KM007078
Partner ID	US585027	Company	MACK
Flool ID		Model	AN
ChHs.i:SID	M742 007078	Build date	01 JM 0001 00:00:00 GMT
Emission level	US18	Odomet&r	479580mi

Life of Vehicle

	Timehh:mm:ss	Fu,	Dist11ni:e	Consumptior	Time%	Fuel%	Distance%
1.Mo.-inQ	3241.B h	28113.9 g.alUS	479369.6mi	17.1 mi!galUS	24.4%	37.5%	
2. Cruise Control	2303.9 h	22729.5 galUS	147613.4mi	6.5 mi/galUS	17.4%	2,0.4%	30.8%
3. Idle(AII)	1215.4 h	777 galUS			9.2%	1%	
4. Idle (True)	1200,6 h	761.BgalUS			9%	1%	
5. Qualified Idle	1000.3 h	693.8 galUS			8.1 %	0.9%	
6. PowerTak.e on (PTO) 1	{J.3h	1 gcJIUS			0.0%	0.0%	
7 P erTake Off(PTO) 2	Oh	0 galUS			0%	0%	
8 PTO1 Moving	0.1h	0.7 galUS	4.4mi	5.9 mi/galUS	0.0%	0.0%	0.0%
9. PTO2 Moving	Oh	D gBIUS	Omi		0%	0%	0"/"
10. Handttvottle	0.2h	0.3 galUS	Omi		0,0%	0,0%	oo;.,
11. Sweet Spot	2566 h	23283.7 galUS	148214.9mi	6.4 mi/galUS	19.3%	31.1 %	30.9%
12. Highes1 gear	6738.9 h	605-55.1 galUS	422358.6 mi	7miJgalUS	50.B %	809%	88.1%
	13273.2 h	74885.i, gnlUS	479389.6 mi	6.,milgalUS			

Exhaust Aflertreatment System Consumption Totals

Die,el Exhaust Fluid	2518.86-galUS	FL1411, Partll'd Rflg11neratioo	e.34377 galUS

M1.1vin1:1:The 11ehicle ε in motion (beillS;ldrive11]
CruiseControl: The vehicle speed is being conlrolled by tt1e cruise control funcli0n
3 Idle(AIIJ: The engine is runnini;i wi\h no vehicle speed
Idle(True): The engine is running, with no 1,1ehicle speed, PTO1 and 2 are OFF, an electronic hand throttle is not active <rnd the accalera1or pedal position is less than 2%
Qu.alifiedIdle: The 1mgine is running, with no vehicl1:1 spet1d, for krngtfflhan tf-11;1 qualified idle threshold value (paramelt!r ZXM), which can be configur11d ltirougrl paramt1ler programming for some vt1hicles (parameter ZXM)
6 Power Take Off (PTO] 1: Power Take Off(PTO) 1 mode is active
7 Power Take Off (PTO) 2: Power Take Off(PTD) 2 mode is aciive
8 PTO1Moving: Power TakEl Off {PTO) 1 mode is active and the vehicle is moving
9 PTO2Mo.ving'. Powar Takt1Off (PTO) 2 mncle is 11cti\le and the vet1ide is moVing
10 Handthrottle: The electronic hand throttle is active
11 Sweet Spot: Tt1e engine is beir;,g()peratect within the speed an.d loact range for opiimal fuel ec()mo11y
12 Highest gear: Vehicle driven in highest gear
13 Total:The total accumulated values ar"ld overall fuel consumpliDn

2.5.3. Logged Data and Thresholds

1700-08-03-05 Vehicle Life and Trip, Report

07 Oct 2024 15:06:23 GMT

User name	Amit Patel	Vehicl! Identification Number (VIN)	1M1AN3GY6KM007078
Partner ID	US565027	Company	MACK
Fleet ID		Model	AN
ChasSis ID	M742007078	Build dale	01 Jan 0001 00:00:00 GMT
Emission leWel	US18	Odometer	479580mi

Service trip

Vehic Power ON Time	4508;56:31	Maximum itiTline speed	2198rpm
Engirie RunninlJ Time	445713:46	S&Vfle Engine Overspffd Oocum1noe1	O
Engirie Revolutions	868903000	Fuelled Engine 0Verspeed Time	00
Power Cycles	905	Company ine O,mwee-d Time	oo
Cranking Time	01:06:40	Company Engine Overspe-ttd Maximum	O rpm
Fan Clutch Cycles	889	MaiUmumVehicle Speed	71.4 mpll
Faul!Occum,noes	73	Vellicle Over1pe&d Occurre-nces	
Active OTC Time	131:29:07	Vetlicle 0Verspeed Time	CD
Service Brake Acivation Cour;t	100655	Vetlicle O,,enpeed Maximum	0 mph
Service Brake Time	279:30:03	Fuelled Vehicle Qyerspeed Time	21:45
Engir,e Brake Tin-e	30:39	PT01 Occurrences	
Engir18; Br.ake Dis1ar1ce	2Dmi	PT02 OOCYn-enOO-$	
Traction Lost! OcGUrrencell	865		

Thresholds

Traction Loss Threshold	12.801	Vet1icle Overspeed Threst1old	75.19 mph
Fuelled Engine Overspeed Threshold	2100rpm	Fuelled Vehicle- 0-verspeed Threshold	70.21 mph
	2200 rpm		

2.6. Fuel Consumption Data

2.6.1. Service Trip - Table

2000-08-03-05 Fuel Consumption Data

07 Oct 2024 15:14:17 GMT

User name	Amit Patel	Vehicle Identification Number (VIN)	1M1AN3GY6KM007078
Partner ID	US585027	Company	MACK
Fleet ID		Model	AN
Chassis ID	M742 007078	Build date	01 Jan 0001 00:00:00 GMT
Emission level	US18	Odometer	479580 mi

	Time	Fuel	Distance	Consumption	Time%	Fuel%	Distance%
1. Moving	9180.25 h	72249.87 galUS	479580.03 mi	6.64 mi/galUS	69.16 %	96.55 %	100 %
2. Cruise Control	4761.35 h	44442.46 galUS	305170.46 mi	6.87 mi/galUS	35.87 %	59.39 %	63.63 %
3. Idle (All)	4092.2 h	2580.7 galUS	-	-	30.83 %	3.45 %	-
4. Power take off 1	0.3 h	0.92 galUS	-	-	0.00 %	0.00 %	-
5. Highest gear	6738.85 h	60555.1 galUS	422358.58 mi	6.97 mi/galUS	50.77 %	80.92 %	88.07 %
6. Total	**13273.05 h**	**74834.39 galUS**	**479580.03 mi**	**6.41 mi/galUS**			

Trip data

Engine speed

3000 rpm	User defined limit
0 h	Time above user defined limit

Vehicle speed

36.04 mph	Average vehicle speed
80.78 mph	User defined limit
0 h	Time above user defined limit

Engine Overspeed Data

2100 rpm	Maximum engine speed
30 Aug 2019 07:00:23 GMT	Maximum engine speed time

1 Drive mode: Vehicle in motion
2 Cruise Control: Cruise Control function activated
3 Idle: Engine running and vehicle stationary
4 Power take off: Power take-off activated
5 Highest gear: Vehicle driven in highest gear
6 Total: Overall values

2.6.2. Life of Vehicle - Table

2000-08-03-05 Fuel Consumption Data

07 Oct 2024 15:14:17 GMT

Usarname	Amil Patel	Vehicle Identification NL.mOOr (VIN)	1M1AN3GY6KM007076
Partner ID	US585-027	Compally	MACK
Fll,etiD		Model	AN
Chassis ID	M742 007078	Build date	01 Jan 0001 00:00:00 GMT
Emission level	US18	Odometer	479580mi

	Time	Fuel	Distance	Consumptior	Time%	Fu-ti%	Distan-oe%
1.Molfing	91137.6h	72249.95 g.elUS	479556.89 mi	6.64 mllgalUS	69.22 %	96.55 %	100 %
2. Cruir.e Control	4761.35 h	44442.49 g lUS	::.0517D.5 mi	6.87 ml/galUS	35.67 %	Ml.39 %	63.64%
3.Idle(All)	4092.25 h	2580.7 g.alUS			30.83%	3.45%	
4. Power lake off 1	0.3h	1.01gallUS			000%	000%	
5. Highl;tjlQear	6738.95 h	6D555.11 gallUS	4223513.59 mi	6.97 ml/galUS	50.77 %	80.92 %	138.07%
6.Total	13273.17 h	74834.42 gallUS	479556.89 mi	6.41 ml/galUS			

1 Drive mode: Vehicle in motion
2 Cruise Control Cruise Control function acllvl:lled
3 Idle: Engin-e runlln-g and vehiele statlOr)SIY
Power take off: Powar take-off activated
Highest g-eer: Vehicle driven in highest geer
6 Total Overall value1:,

2.7. Programming Parameters

VIN:	1M1AN3GY6KM007078	Work Order Number:	24MH013
Chassis ID:	M742 7078	Printed:	10/7/2024 3:18 PM
Model:	AN		
Reg. Number:			

1700-22-03-03 Parameter Programming

Control Unit: All
Parameter Type: All

ID	Name	Status	Min	Value	Max	Unit
P1IP6	Customer Data Fleet Identifier					
P1IP4	Customer Engine Speed Mode Trip Data, Engine Speed Threshold		0	3000	65535	rpm
P1IP5	Customer Vehicle Speed Mode Trip Data, Vehicle Speed Threshold		0.0	80.8	4072.2	mph
P1MUF	Adjustment Factor for High I-gain of Espd Governor		010	100	250	
P1MUG	Adjustment Factor for Low I-gain of Espd Governor		0.10	1.00	2.50	
P1MUH	Adjustment Factor for Low P-gain of Espd Governor		0.10	1.00	2.50	
P1MUI	Adjustment Factor for High P-gain of Espd Governor		0.10	1.00	2.50	
P1MUJ	Adjustment Factor, for High Derivative-gain of Engine Speed Governor		0.10	1.00	2.50	
P1MUK	Adjustment Factor, for Low Derivative-Gain of Engine Speed Governor		0.10	1.00	2.50	
P1FPP	Trim Code, F2 Common Rail Injector 1			GDCE5ZE23SD MXFNGKY8HY6 YK49HK1JKYJK HUPP		
P1FPQ	Trim Code, F2 Common Rail Injector 2			CZLHYFA2WXS SM7NOZWOLY5 YHDD32JJJTOT S27T		
P1FPR	Trim Code, F2 Common Rail Injector 3			HXD9YF22W9D ZPDNCHG8P01 YM592J1JGY2T 1BPO		
P1FPS	Trim Code, F2 Common Rail Injector 4			ED2XY4224903 LXN4ZNTMOSY LT932X2G1JTS 5Z6		
P1FPT	Trim Code, F2 Common Rail Injector 5			HXD1NCN2KXK WBBN8HXGM3 4X849KX33FY J JNTZ4		
P1FPU	Trim Code, F2 Common Rail Injector 6			EXXH68Y23ML 2F7N8KG2M3R XB79KDD3FZ2J YXZK		
P1AOF	Customer Data, Engine ECU Password			•••••••••		
P1I18	Customer Shutdown for Coolant Temperature		0	2	2	
P1I19	Customer Shutdown for Oil Pressure		0	2	2	
P1I17	Customer Shutdown for Coolant Level		0	0	2	
P1I2A	Customer Shutdown for Oil Temperature		0	2	2	
P1I2B	Customer Shutdown for Transmission Temperature		0	0	2	
P1VP6	Fire Truck, EATS Mounted Footstep, Extra Cooling, Enable			False		
P1ARU	Coolant Pump Always on Full Speed		0	0	1	
P1HUB	Cruise Control, SoftCruise Offset, Enable		0	0	1	
P1ALZ	Fuel Consumption, Calibration in Percent		-10	-1	20	%
P1HT6	Maximum idle ESPD at warm-up ON		-10000000000700		10000000000	rpm
P1I06	High Idle Ratio for High Gears		100.01	140.04	650.00	
P1I05	High Idle Gear Ratio for Low Gears		100.01	159.96	650.00	
P1I04	High Idle Enable Flag for Low Gears		0	0	1	
P1I03	High Idle Governor for High Gears		1200	2100	2800	rpm
P1IDB	Max Engine Speed with a Vehicle Speed Error		600	1400	2900	
P1ANA	Max Engine Speed when Stationary		600	1950	2900	rpm
P1KCP	Max Engine Speed Governor for India, Enable			False		
P1AOC	Customer Road Speed Limit		18.7	70.0	86.9	mph

P1I0P	Performance Bonus, Vehicle Speed Bonus		0.0	0.0	24.8	mph
P1I0Q	Performance Bonus, Vehicle Speed Penalty		0.0	0.0	24.8	mph
P1I07	Diff RSL, Transmission Ratio Highest Gear		29.99	78.03	129.98	%
P1I08	Diff RSL, Transmission Ratio Next Highest Gear		29.99	100.00	150.00	%
P1AOD	Road Speed Limit, Max Vehicle Speed in Second Highest Gear		18.7	75.2	83.8	mph
P1I16	Road Speed Limit With Pedal		00	70.0	86.9	mph
AI	Cruise control max speed		19	70	86	mph
P1MG2	Road Speed Limit Difference Between Loaded and Unloaded Vehicle		00	00	4072.2	mph
P1MG4	Bellows Pressure Threshold for Loaded Vehicle		0000	41.336	950.506	psi
P1OI1	Vehicle Weight Threshold for Loaded Vehicle		0.000	55115.563	144479.935	lb
P1AL0	Differentiated RSL, Enable		0	0	1	
P1MG3	Use Lower Road Speed Limit on Loaded Vehicle			Yes		
P1G42	Minimum DPF inhibit target speed limit		5	10	37	mph
P1G43	Offset from vehicle speed for calculating DPF inhibit speed		-15	10	158	mph
P1INE	Eco Level Used in SoftCruise Function		OD	OD	255.0	
P1ASK	Warm Hold, Function		0	1	1	
P1OHL	Manual Parked Regeneration of Diesel Particulate Filter, Enable			False		
P1IRK	Accelerator Limiter, Enable		0	0		
P1JED	PTO Through Driveshaft, Enable		0	0		
P1J56	Fan Friction, Start-Up Torque Offset Map, Coolant Temperature			Complex		
P1ROO	PTO Clutch Pedal Control, PTO Switch Active, Enable			False		
P1I2E	PTO Integral Adjustment Based on Engine Speed Derivative		0	0	4	
P1PQ6	Moving Regeneration, Increased Engine Speed at Standstill, Automatic Mechanical Gearbox, Enable			False		
P1HUM	PTO Switch Override		0	0	1	
P1NI4	Starter Motor Cold Start Aid, Temperature Threshold		-58	-58	401	Fahrenheit
P1JGX	Resistance Factor, Eco Level		0	0	3	
P1I0H	Performance Bonus, Fuel Consumption, Target Value		2.988	6492	9.643	mpg(US)
P1I0J	Performance Bonus, Idle Time, Target Value		0.00	25.00	80.07	%
P1IDK	Performance Bonus, Sweet Spot, Target Value		000	7500	10000	%
P1I0O	Performance Bonus, Distance in a Step		3.2	62.1	497.0	miles
P1I53	Performance Bonus Effective Distance		93.3	105633	10563 3	miles
P1I0G	Performance Bonus, Enable		0	0	1	
P1I0N	Performance Bonus, Function Mode		0	0	2	
P1IDL	Performance Bonus, Parameters		0	1	7	
P1I0M	Performance Bonus, Number of Steps		0	3	3	
P1IOI	Performance Bonus, Fuel Consumption, Penalty Target Value		2.988	2.999	9.643	mpg(US)
P1MD5	Performance Penalty, Idle Time, Target Value		-3200.00	0.00	3199.90	%
SEO	Air Suspension Alert, Vehicle Speed Limit		000	3.11	24.85	mph
QIN	Load dependent limitation of acc. pedal, enable			No		
XM	Parking brake condition to activate PTO1			No		
QCJ	Enable Cruise Exit on B-mode			Yes		
QCI	Enable Erase DownHillSetSpeed on Cruise Exit			Yes		
RCY	Store Brake Cruise Overspeed			Off		
SMA	PTO, override idle shutdown condition, enable			Disabled		
SOW	Aux brake, engine brake pedal latch mode, enable			Disable		
SRK	Cruise Control, Wiper Status Condition, Enable			Disable		
SRL	Cruise Control, Hazard Status Condition, Enable			Disable		
LJL	Parking brake switch, PTO exit condition			No		
LJM	ABS vehicle speed condition, enable			No		
SYT	PTO2, Drive Shaft Overdrive, Operate as PTO1, Enab			No		
SZH	Air Compressor, Activation Delay at Engine Start		0	0	15	s
P1ALV	Road Speed Limit, Legal		18.7	86.9	86.9	mph
P1E3I	Engine Idle, Minimum Allowed Speed	Read only	0	550	650	rpm
P1F9W	Engine Idle, Target Speed		550	650	700	rpm
P1JJ0	PTO Governor Gradient		00	127.0	127 9	
AZM	Enable second speed axle			No		
CCV	Cruise reference speed mode			Erase at power down		
CCW	Default cruise reference speed		00	OD	155.3	mph
ex	Air Conditioning Installed			Yes		
CDK	Enable velocity limit for power down			On		

FBV	Power down torque limttation percentage		0	0	100	%
FBW	Power down velocity limitation		0.0	3.1	158.4	mph
CWW	Time delay before power down		0	10	250	s
CUM	Engine stop demand filler time		0.0	1.0	25.5	s
cua	Enables the function VS threshold output			Off		
DZY	Enable brake cruise			Enabled switch / stalk dependant		
EBB	Enable the Smart Engine Idle function			Off		
ECO	Enable/disable different DRL modes			Parking brake and engine running, activated		
ECH	Adjustable interrupt timer for DRL		0.0	1.0	25.0	s
EBN	Differential lock control enable			Off		
ECL	Enable engine torque limit	Read only		Off		
ECM	Engine Torque Limit Percentage	Read only	0	0	100	%
FBT	Enable low voltage disconnect			Off		
FBU	Enable wireless download			Off		
FNV	Enable Theft Deterrent			Off		
IGS	Allowed relative ABS speed deviation		0.00	15.23	99.60	%
JAX	Time delay before fan act upon APM compressor req		0	20	255	s
RT	ES Control step up rpm (PTO 0)		0	50	250	r/min
DJ	Brake cruise control, default speed		1.87	2.98	9.32	mph
AG	Cruise control			Yes		
BK	Cruise Control Min Set Speed		15.0	19.9	86.9	mph
BL	Cruise Control Min Speed to Resume		9.4	9.4	18.6	mph
RS	Cruise step factor		00	1.2	6.2	mph
RR	Cruise trim factor, minus		0.00	1.24	6.21	miles/his
GP	Cruise trim factor plus		0.00	1.24	6.21	miles/his
AST	Cruise control Trim step, resume		0.00	1.24	6.21	miles/his
CCU	Clutch delay before cruise deactivation		0	5	10	s
AL	Idling automatic shut-off			No		
XP	Enable brake pedal cond for High Idle			Yes		
AZG	Enable parking brake cond for High Idle			Yes		
QP	PTO basic function enable			Yes		
XO	Activate PTO output from vehicle control unit			Yes		
XN	Type of PTO			Transm. #1		
ANE	Resume or target espd for PTO O	Out of range	700	600	2500	r/min
AND	Maximum engine speed for the ESC PTO 0		600	2500	3500	r/min
ANF	High idle/PTO O min engine speed	Out of range	500	700	600	r/min
MH	Vehicle Speed Factor US		4828.1	9984.4	105468.3	imp/mile
LZG	Timeout ace pedal vs clutch for inhibit DR		0	500	65535	ms
LMY	Brake Program delay		0	1000	65535	ms
DGM	Time before push is seen as a ramp		0.01	0.25	2.49	s
CDX	Enable RSL2			Off		
CEB	Enable RSL3			No		
BXA	Enable Engine Speed Control			Yes		
BXB	PTO priority		0	0	7	
BXC	Trim factor at increased set ES Control for PTO 0		0	0	250	r/min/s
BXD	Trim factor at decreased set ES Control for PTOO		0	0	250	r/min/s
BXE	ES Control trim ramp up		0	50	250	r/min/s
BXF	ES Control trim ramp down		0	50	250	r/min/s
BXI	ES Control Step Down Factor (PTOO)		0	50	250	r/min
BXJ	ES Control PT01, resume ES (speed selector 0)		500	600	2500	r/min
BXX	Adjustment of ES control by switches in cab		0	2	2	
BYD	ES Control PT01, activation condition, max VS		0.0	0.0	155.3	mph
BYE	Max VS to activate PTOO ES Control		00	9.9	155.3	mph
BYF	Min vspc for deactivation of PTO 1.		0.0	0.0	155.3	mph
BYG	Min vspc for deactivation of PTO O		00	99	1553	mph
BYI	ES Control PTOO, activation cond. on brakes			Condition not used		
BYJ	ES Contral PT01, activation condition on brakes			Condition not used		

BYK	Brake pedal condition for PTO0 deactivation		No condition on the brakes		
BYL	ES Control PTO1, deactivation condition		No condition on the brakes		
BYM	Enable secured neutral cond for PTO 0 activation		No condition on transmission in neutral		
BYN	Enable secured neutral cond for PTO 1 activation		No condition on transmission in neutral		
BYO	Enable secured neutral cond for PTO 0 deactivation		No condition on transmission in neutral		
BYP	Enable secured neutral cond for PTO1 deactivation		No condition on transmission in neutral		
BYQ	ES Control PTO1, activation condition on clutch		Pedal released		
BYR	ES Control PTO0, activation condition on clutch		Pedal released		
BYS	ES Control PTO1, deactivation condition on clutch		Pedal depressed		
BYT	Clutch cond for High Idle/PTO 0 deact.		Pedal depressed		
BZF	Max ES to activate PTO1	500	700	3500	r/min
BZG	Max VS to activate PTO1	0.0	1.2	155.3	mph
BZH	Enable clutch condition for PTO	0	0	2	
BZI	Enable brake condition for PTO	0	0	4	
BZJ	Gear in neutral condition to activate PTO1	0	0	2	
CVF	Enable max ES condition to activate PTO1		No		
CVG	Enable max VS condition to activate PTO1		No		
CUK	Enables the function remote engine stop		Engine stop from chassis via J1939 message		
CUL	Enable engine start from chassis		Off		
CUN	Max VS to activate remote engine stop	00	3.1	155.3	mph
DUB	Accelerator pedal calibration required		Off		
DUN	Extended cooling fan time when AC is active	0	0	300	s
DUK	Allow manual cooling fan activation vehicle parked		No		
DUJ	Allow manual cooling fan act, vehicle moving		No		
DUL	Enable cooling fan activation from PTO		Off		
DUH	Enable cooling fan activation from engine brake		Off		
DSZ	Trim factor at increased set espd for PTO 0.1	0	50	250	r/min/s
OTA	Trim factor at decreased set espc for PTO 0 1	0	50	250	r/min/s
DTE	Ramp-up value at increased ES for PTO1 with SS	0	0	250	r/min/s
DTF	Ramp-down value at decreased ES for PTO1 with SS	0	0	250	r/min/s
DTG	Ramp up value at increased ES for PTO 1	0	50	250	r/min/s
0TH	Ramp down value at decreased ES for PTO 1	0	50	250	r/min/s
DTW	Speed Sensor Tamper Detection Torque Limit	0	50	100	%
BXU	ES Control PTO1, Max ES	500	2500	3500	r/min
BXW	ES Control PTO1, Min ES	450	500	2500	r/min
DXH	Disable accelerator pedal for ES Control PTO0		Off		
DXJ	Disable accelerator pedal for ES Control PTO1		Off		
DXK	Disable accelerator pedal for ES Control PTO2		Off		
DXL	Disable Accelerator Pedal for PTO 3		Off		
DXM	Enable engine speed limit when PTO active (PTO0)		On		
OWN	Engine speed limit when PTO active	0	2500	65000	r/min
EAO	Road speed limit value for PTO1	0.0	100.0	158.4	mph
EAR	Road speed limit value for PTO2	3.2	100.0	158.4	mph
EAS	Road speed limit value for PTO3	3.2	100.0	158.4	mph
EAT	Road speed limit value for PTO4	3.2	1000	158.4	mph
EAU	Road speed limit with air suspension lowered	0.0	14.9	24.8	mph
EAY	Enable air suspension road speed limit		On		
EAZ	Enable drive shaft speed limit		On		
ECF	Vehicle speed threshold for DRL	5.0	14.9	29.8	mph

ECG	Override timer for DRL	20	300	3600	s
FMY	Idle Shutdown Warm-up Temperature	60	100	160	°F
FNA	Idle Shutdown Warm-up Timer	0	300	65535	s
FCE	Trim factor at espd trim ramp up for PTO 2	0	50	250	r/min/s
FCF	Trim factor at espd trim ramp up for PTO 3	0	50	250	r/min/s
FCG	Trim factor at espd trim ramp up for PTO 4	0	50	250	r/min/s
FCH	Trim factor at espd trim ramp down for PTO 2	0	50	250	r/min/s
FCI	Trim factor at espd trim ramp down for PTO 3	0	50	250	r/min/s
FCJ	Trim factor at espd trim ramp down for PTO 4	0	50	250	r/min/s
FCU	Resume espd PTO 2	500	600	2500	r/min
FCV	Resume espd PTO 3	500	600	2500	r/min
FCW	Resume espd PTO 4	500	600	2500	r/min
FDK	Max espd for PTO 2	0	0	3500	r/min
FDL	Max espd for PTO 3	500	2500	3500	r/min
FDM	Max espd for PTO 4	500	2500	3500	r/min
FDN	Min espd for PTO 2	500	500	2500	r/min
FDO	Min espd for PTO 3	500	500	2500	r/min
FDP	Min espd for PTO 4	500	500	2500	r/min
FDR	Enable Cruise button for espd of PTO 1		On if CC Enable active		
FDS	Enable Cruise button for espd of PTO 2		On if CC Enable active		
FDT	Enable Cruise button for espd of PTO 3		On if CC Enable active		
FDU	Enable Cruise button for espd of PTO 4		On if CC Enable active		
FEB	Max vspd for activation of PTO 2	DO	OD	155.3	mph
FEC	Max vspd for activation of PTO 3	0.0	7.5	155.3	mph
FED	Max vspd for activation of PTO 4	0.0	7.5	155.3	mph
FEE	Min vspd for deactivation of PTO 2	0.0	0.0	155.3	mph
FEF	Min vspd for deactivation of PTO 3	DO	75	1553	mph
FEG	Min vspd for deactivation of PTO 4	0.0	7.5	155.3	mph
FEH	Enable brake pedal cond for PTO 2 activation		Condition not used		
FEI	Enable brake pedal cond for PTO 3 activation		Condition not used		
FEJ	Enable brake pedal cond for PTO 4 activation		Condition not used		
FEK	Enable brake pedal cond for PTO 2 deactivation		No condition on the brakes		
FEL	Enable brake pedal cond for PTO 3 deactivation		No condition on the brakes		
FEM	Enable brake pedal cond for PTO 4 deactivation		No condition on the brakes		
FEN	PT02 Activation Neutral Condition		No condition on transmission in neutral		
FEO	PT03 Activation Neutral Condition		No condition on transmission in neutral		
FEP	PT04 Activation Neutral Condition		No condition on transmission in neutral		
FEQ	PT02 Deactivation Neutral Condition		No condition on transmission in neutral		
FER	PT03 Deactivation Neutral Condition		No condition on transmission in neutral		
FES	PT04 Deactivation Neutral Condition		No condition on transmission in neutral		
FET	Enable clutch cond for PTO 2 activation		Off		

FEU	Enable clutch cond for PTO 3 activation		Not used		
FEV	Enable clutch cond for PTO 4 activation		Not used		
FEW	Enable clutch cond for PTO 2 deactivation		On		
FEX	Enable clutch cond for PTO 3 deactivation		Not used		
FEY	Enable clutch cond for PTO 4 deactivation		Not used		
FDE	PTO1 Engine Speed Limit Activation		On		
FDF	PTO2 Engine Speed Limit Activation		On		
FDG	PTO3 Engine Speed Limit Activation		On		
FDH	PTO4 Engine Speed Limit Activation		On		
FFE	Disable Accelerator Pedal for PTO 4		Off		
FFF	Enable brake cond for PTO O temp dropout		Condition not used		
FFH	Enable brake cond for PTO 1 temp dropout		Condition not used		
FFI	Enable brake cond for PTO 2 temp dropout		Condition not used		
FFJ	Enable brake cond for PTO 3 temp dropout		Condition not used		
FFK	Enable brake cond for PTO 4 temp dropout		Condition not used		
FFL	Enable clutch cond for PTO O temp dropout		Not used		
FFN	Enable clutch cond for PTO 1 temp dropout		Not used		
FFO	Enable clutch cond for PTO 2 temp dropout		Not used		
FFP	Enable clutch cond for PTO 3 temp dropout		Not used		
FFQ	Enable clutch cond for PTO 4 temp dropout		Not used		
FFR	Enable CDS cond for PTO O temp dropout		Condition not used		
FFT	Enable CDS cond for PTO 1 temp dropout		Condition not used		
FFU	Enable CDS cond for PTO 2 temp dropout		Condition not used		
FFV	Enable CDS cond for PTO 3 temp dropout		Condition not used		
FFW	Enable CDS cond for PTO 4 temp dropout		Condition not used		
FFX	Enable CDS cond for PTO O temp dropout		Condition not used		
FFZ	Enable CDS cond for PTO 1 dropout		Condition not used		
FGA	Enable CDS cond for PTO 2 dropout		Condition not used		
FGB	Enable CDS cond for PTO 3 dropout		Condition not used		
FGC	Enable CDS cond for PTO 4 dropout		Condition not used		
FGD	Enable Drive Shaft PTO on PTO2		Off		
FGE	ESC Hold To Nearest RPM Activation		Off		
FGF	"Hold to nearest" step value for PTO 0	10	50	250	rlmin
FGH	"Hold to nearest" step value for PTO 1	10	50	250	rlmin
FGI	"Hold to nearest" step value for PTO 2	10	50	250	r/min
FGJ	"Hold to nearest" step value for PTO 3	10	50	250	rlmin
FGK	"Hold to nearest" step value for PTO 4	10	50	250	rlmin
FGL	ESC Activation on Min-Max Engine Speed		On		
FGM	Enable CC Set+ as cond for ESC activation		Off		
FGN	ESC Resume Enable		On		
FGO	Enable "Jump to min espd" for PTO 0		Off		
FGQ	Enable "Jump to min espd" for PTO 1		Off		
FGR	Enable "Jump to min espd" for PTO 2		Off		
FGS	Enable "Jump to min espd" for PTO 3		Off		
FGT	Enable "Jump to min espd" for PTO 4		Off		
FBG	Filter time for changing state of RSL2	00	3.0	25.0	s
FBH	Filter time for changing state of RSL3	0.0	3.0	25.0	s
FGV	Enable PTO 3 Enable switch		Off		

FGW	Enable PTO 4 Enable switch		Off		
FCL	Espd step up factor for PTO 1	0	50	250	r/min
FCM	Espd step up factor for PTO 2	0	50	250	r/min
FCN	Espd step up factor for PTO 3	0	50	250	r/min
FCO	Espd step up factor for PTO 4	0	50	250	r/min
FCQ	Espd step down factor for PTO1	0	50	250	r/min
FCR	Espd step down factor for PTO 2	0	50	250	r/min
FCS	Espd step down factor for PTO 3	0	50	250	r/min
FCT	Espd step down factor for PTO 4	0	50	250	r/min
FFA	Enable activation of ESC *b<f* engaging PTO 1		Off		
FFB	Enable activation of ESC *b<f* engaging PTO 2		Off		
FFC	Enable activation of ESC *b<f* engaging PTO 3		Off		
FFD	Enable activation of ESC *b<f* engaging PTO 4		Off		
FML	Second accelerator pedal installed		Off		
FRO	PTO1 Road Speed Limit Activation		Off		
FRP	PTO2 Road Speed Limit Activation		Off		
FRQ	PTO3 Road Speed Limit Activation		Off		
FRR	PTO4 Road Speed Limit Activation		Off		
FZG	PTO 0 Min, enable engine speed	0	0	65535	r/min
IQY	Enable POLO road speed limit		No		
AHY	Auto Neutral, Vehicle Speed	0.0	6.2	155.3	mph
PPK	Resume Downhill Cruise when exiting Brake Cruise		Yes		
QIW	Bridge on J1939 for body builders, enable		Off		
ZWA	LOV Asr Option		Yes		
ZW6	LOV ABS Option		Yes		
ZW2	LOV Esp Option		Yes		
ZVY	LOV Brake Assist Option		No		
ZVL	LOV Axle Lift Option		No		
ZPZ	Optional Event Selector	0	6291967	4294967295	
ZPR	Driver Event MT Log Wraparound		Yes		
XJU	LOV ACC Option		Yes		
XJG	ACC histogram minimum vehicle speed	0.0	34.8	93.2	mph
XJ7	LOV YC and ROP Option		Yes		
ZM9	GPS Log customer enabled.		No		
X68	LOV Eco-Roll Option		Yes		
WT7	Life of Vehicle, LCS Option		No		
ZLF	Trip Data Enabled		Yes		
ZLD	Trip Fleet Trip Privilege		No		
WST	Life of Vehicle Airbag Option		Yes		
WSC	ASL Datamax, enable		No		
WP6	ACC Datamax, enable		No		
WCS	Ace vs brake pedal histogram log, enable		No		
XMC	Snapshot Data Enabled		No		
XLZ	LOV Engine Over Load Thrs	0	90	125	%
Y7E	Guard Dog Customer Enable		Yes		
YOV	LOV Engine Retarder Option		Yes		
XRV	LOV engine speed above option		No		
XHP	LOV EATS option		Yes		
XGM	Moving speed threshold	00	0.6	155.3	mph
XGN	Engine oil warmed threshold	-147.9	212.0	391 9	'F
XGG	Stabilizing time	0	7	250	s
WCE	Brake Energy, Fuel Coefficient	0.00000000000	0.00000007976	0.0000006553 4	
ZZZ	Config Data Max Period	250	250	5000	ms
ZYT	LOV Traction Loss Threshold	0 0000000000	7.9540369294	12.427424192 4	miles/his
ZYS	LOV Hard Braking Threshold	-12.42742419 24	-7 9540369294	0 0000000000	miles/his
XJT	LOV ACC vehicle speed threshold	00	348	932	mph
ZW9	LOV Asr Filter	0	250	5000	ms
ZXA	LOV Engine Overspeed Company Threshold	500.000	2200.000	3500.000	r/min
ZX5	Vehicle Overspeed Threshold	0.000000000	70.214946687	158.45208568 4	mph

ZX2	Vehicle Overspeed All Threshold	0.000000000	75.185916364	158.452085684	mph
ZWV	Fuelled Engine Overspeed Threshold	500.000	2100.000	3500.000	r/min
ZW5	LOV ABS Filter	0	250	5000	ms
ZW1	LOV Esp Filter	0	250	63750	ms
ZTS	LOV PTO Histogram Filter	0	1	120	s
ZRN	LOV Cruise Engine Load Threshold	0	80	125	%
ZR0	Driver Event ID PTO1	0	140	255	
ZQZ	Driver Event ID PTO2	0	141	255	
ZQY	ID Fuelled Engn Ovrspd	0	142	255	
ZQX	ID Severe Engn Ovrspd	0	143	255	
ZQW	Event ID Cmpy Engn Ovrspd	O	144	255	
ZQV	Fuelled Vehicle Ovrspd	O	145	255	
ZQU	ID All Vehicle Ovrspd	O	146	255	
ZQT	Driver Event ID Message Code	O	148	255	
ZQS	Event ID Engn Protection	O	156	255	
ZQJ	Driver Event ID Engine Start	O	165	255	
ZQH	Driver Event ID Engine Stop	0	166	255	
ZQG	Driver Event ID Qualified Idle	O	167	255	
ZQF	Driver Event ID Fuel Quantity	0	168	255	
ZOE	Driver Event IDAsr	O	1	255	
ZQD	Driver Event ID Abs	0	2	255	
ZOO	Driver Event OEM Enable		Yes		
Z6A	Fault Inactive Time	O	3	255	s
Y7G	MM Enable FMS Message		Yes		
Y6G	Config Engn Running Threshold	0.000	400.000	3500.000	r/min
Y5B	Retarder Filter Active	0	500	5000	ms
Y5A	Retarder Filter Inactive	O	500	5000	ms
Y2L	Torque Green Area Threshold	0	84	100	%
Y27	Driver Event ID Adblue Level	O	17	255	
Y3X	LOV Engine Speed Above Threshold	0000	2200 000	3000 125	r/min
Y3W	Above Threshold Low Hysterisis	0.000	2150.000	3000.125	r/min
Y3M	Engine speed above brake threshold value	0000	0000	4000.000	r/min
Y3E	Over without brake threshold value	0000	0000	4000.000	r/min
Y37	Engine Green Area Low Threshold	0.000	900.000	4500.000	r/min
Y36	Green Area High Threshold	0.000	1600.000	4500.000	r/mm
Y35	Area High Threshold Hysteresis	0.000	1550.000	4500.000	r/min
Y24	Prewarning, time	O	10	30	s
Y1M	DEF tank high temperature	-57	32	400	'F
Y1L	DEF tank low temperature	-57	32	400	'F
Y0X	LOV Esp Phase Filter	O	250	63750	ms
YOO	Driver Event ID SCR Tank Temperature	O	22	255	
XZA	Predictive algorithm		No		
XJV	Qualified Idle Threshold Time	O	120	65535	s
XJ9	LOV ASR Event Filter	0	0	63750	ms
XJ8	LOV ABS Event Filter	O	0	63750	ms
XJ6	Life Of Vehicle YC Filter	0	250	63750	ms
XJ5	LOV YC Event Filter	O	0	63750	ms
XJ2	LOV ROP Filter	0	250	63750	ms
XJ1	LOV ROP Event Filter	O	0	63750	ms
XEJ	Driver event ID ACC alert Level 1	0	169	255	
XEH	Driver event ID YC	O	170	255	
XEG	Driver event ID ROP	0	171	255	
X1Z	Driver Event ID Incident1	0	172	255	
XW	Orv Evt ID Fleet Trip	O	173	255	
WUF	ID Collision Mitigation	0	174	255	
WSY	Event ID, LCS Audible Alarm	O	184	255	
WSX	ID, LCS No Audible Alarm	0	185	255	
WSW	ID, LCS Error Indicator	O	186	255	
WSN	Front Airbag Deployment	0	149	255	
WSM	Side Airbag Deployment	O	150	255	

2.8. Product Information

1700-08-03-38 Product Information

Select a control urit to see details

Control Unit .a.

Engine Control Module (EMS)

Vehicle ECU (MID 144)

Information for Selected Control Unit

Chassis ID: M742 007078

Control Unit:

- Control Unit Family: 1
- Control Unit Type: 1
- Control Unit Position: O
- Serial Number: 18345430
- Part Number: 22581042
- Software:
  - r,,isw: 23766686 r,,iain s/w
- -Datasets·
  - 23834554 415C/E 1660/1460 1 BOX
  - 23684581 Mack MPS
  - 23766689 Engine

1700-08-03-38 Product Information

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Control Unit •

Engine Control Module (EMS)

Ve11de ECU (MID 144

Information for Selected Control Unit

Chassis ID: M742 007078
Control Unit
- MID caption: Vehide ECU
- MID number: 144
- Serial Number: 18250082
-PartNumber. 21874686
- Sonware:
  - MSW: 23976550 VECU 4
- Datasets:
  - 23976558 VECU4
  - 23976562 VECU4

Exit

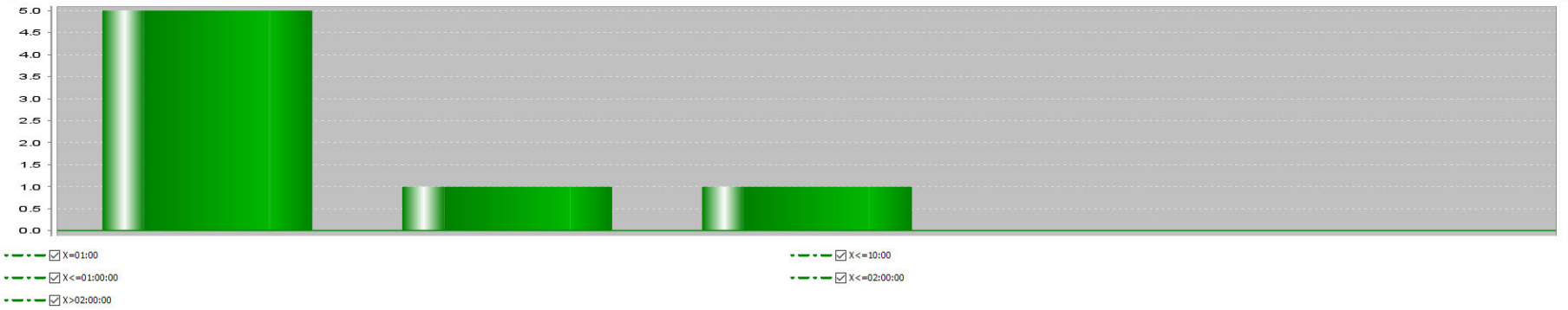
2.9. Vehicle Histograms

2.9.1. PTO1 Histogram

Power Take Off (PTO) 1

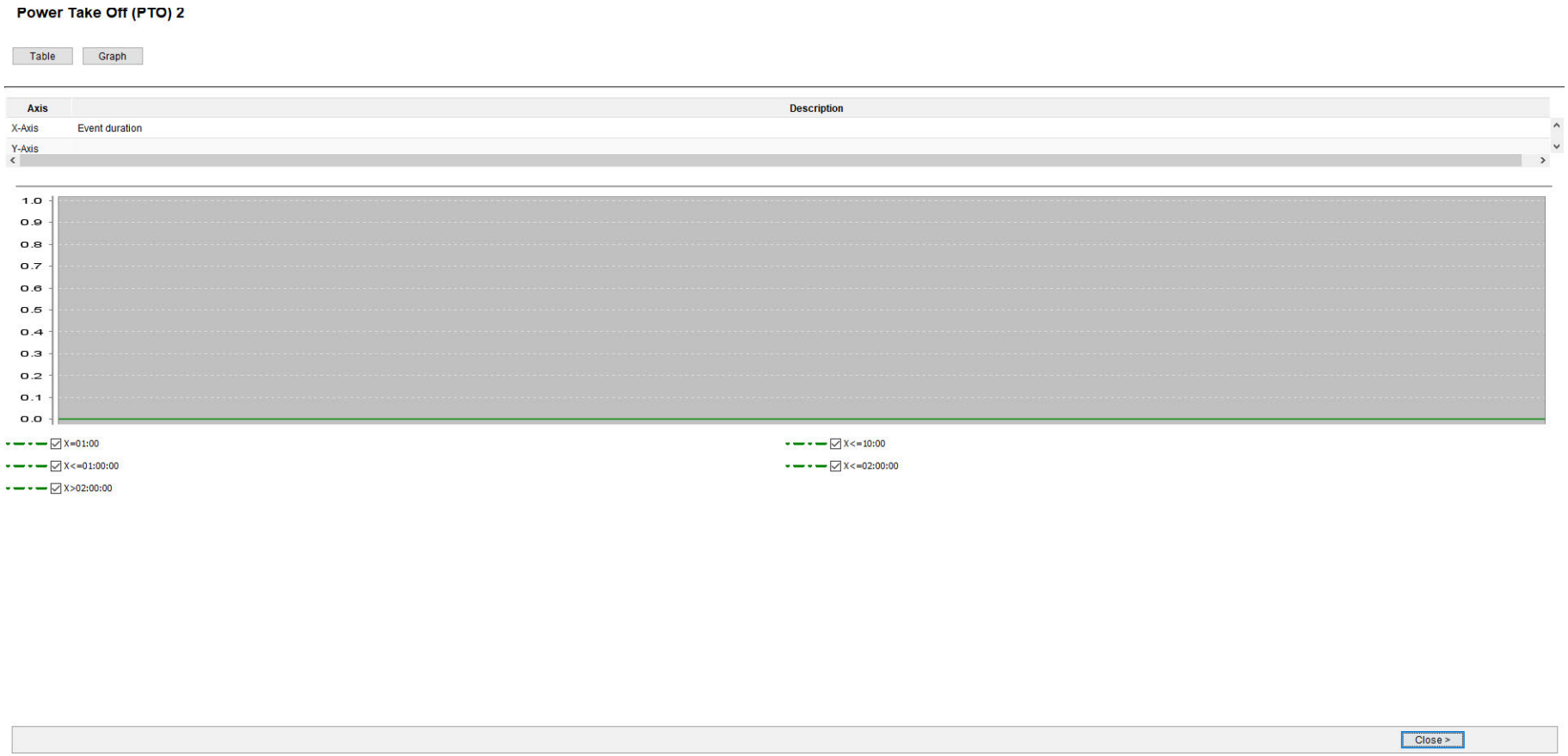
Table Graph

Axis	Description
X-Axis	Event duration
Y-Axis	



Close >

2.9.2. PTO2 Histogram

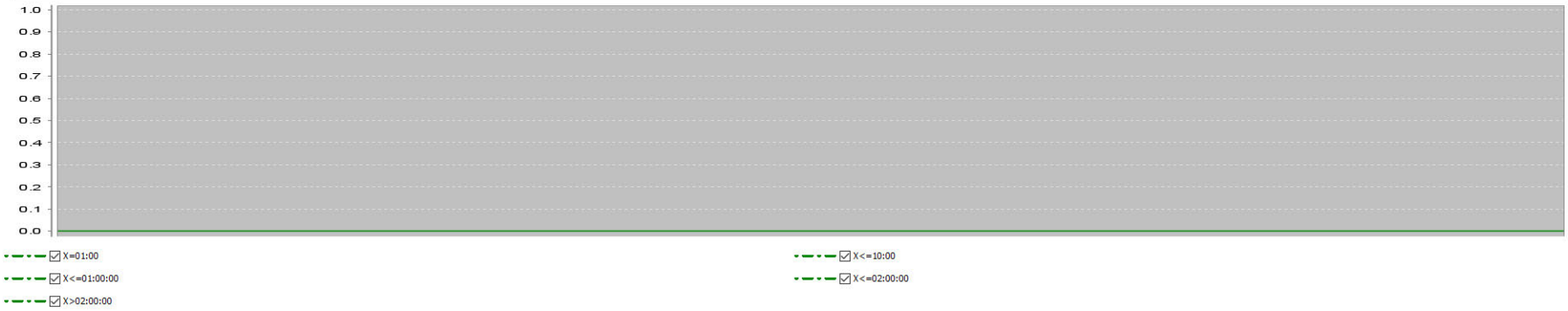


2.9.3. PTO3 Histogram

Power Take Off (PTO) 3

Table Graph

Axis	Description
X-Axis	Event duration
Y-Axis	



Close >

2.9.4. Engine Torque-Time Histogram

Engine torque-Time

Table | Graph

Axis	Description
X-Axis	Engine RPM Intervals
Y-Axis	Torque Intervals

	X=0 rpm	X<=750 rpm	X<=1000 rpm	X<=1150 rpm	X<=1300 rpm	X<=1450 rpm	X<=1600 rpm	X<=1800 rpm	X<=2000 rpm	X<=2200 rpm	X<=2400 rpm	X>2400 rpm
Y=-10 %	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h
-10 %<Y<=0 %	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h
0 %<Y<=10 %	0 h	1234.62 h	85.1511 h	85.7617 h	82.7828 h	95.3344 h	11.7808 h	1.295 h	0.16 h	0.00444444 h	0 h	0 h
10 %<Y<=20 %	0 h	1234.62 h	85.1511 h	85.7617 h	82.7828 h	95.3344 h	11.7808 h	1.295 h	0.16 h	0.00444444 h	0 h	0 h
20 %<Y<=30 %	0 h	4.76639 h	9.35139 h	35.5325 h	51.5986 h	85.8419 h	11.2456 h	0.777778 h	0.203611 h	0.0511111 h	0 h	0 h
30 %<Y<=40 %	0 h	1.53389 h	5.41361 h	34.875 h	69.0875 h	188.721 h	23.8694 h	1.09417 h	0.201389 h	0.0338889 h	0 h	0 h
40 %<Y<=50 %	0 h	2.29778 h	3.52194 h	31.4375 h	76.5092 h	414.891 h	64.3728 h	0.691667 h	0.140556 h	0.00666667 h	0 h	0 h
50 %<Y<=60 %	0 h	0.3925 h	2.1675 h	23.0794 h	57.0619 h	440.361 h	117.404 h	0.595 h	0.106667 h	5.55556 E-4h	0 h	0 h
60 %<Y<=70 %	0 h	0.0675 h	1.29417 h	16.4511 h	38.2272 h	207.648 h	65.6703 h	0.582778 h	0.0655556 h	0 h	0 h	0 h
70 %<Y<=80 %	0 h	2.77778 E-4h	0.5825 h	11.3183 h	25.7272 h	95.3397 h	26.8622 h	0.883611 h	0.0527778 h	0 h	0 h	0 h
80 %<Y<=90 %	0 h	0 h	0.294167 h	9.35778 h	19.6711 h	51.6036 h	23.5203 h	2.4775 h	0 h	0 h	0 h	0 h
Y>90 %	0 h	0 h	0.214444 h	25.3469 h	87.8097 h	143.795 h	18.4342 h	0 h	0 h	0 h	0 h	0 h

Close >

2.9.5. Engine Torque-Fuel Histogram

Engine torque-Fuel

Table | Graph

Axis	Description
X-Axis	Engine RPM Intervals
Y-Axis	Torque Intervals

	X=0 rpm	X<=750 rpm	X<=950 rpm	X<=1150 rpm	X<=1350 rpm	X<=1500 rpm	X<=1650 rpm	X<=1800 rpm	X<=1950 rpm	X<=2100 rpm	X<=2300 rpm	X>2300 rpm
Y=-13 %	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS
-13 %<Y<=0 %	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS
0 %<Y<=13 %	0 galUS	788.07 galUS	23.5087 galUS	137.095 galUS	238.421 galUS	157.283 galUS	30.2662 galUS	15.1846 galUS	2.47529 galUS	0.340782 galUS	0 galUS	0 galUS
13 %<Y<=25 %	0 galUS	27.7143 galUS	14.5242 galUS	138.611 galUS	224.419 galUS	240.122 galUS	30.4485 galUS	16.1726 galUS	3.21497 galUS	1.67221 galUS	0.00264172 galUS	0 galUS
25 %<Y<=38 %	0 galUS	3.3497 galUS	6.1103 galUS	202.329 galUS	647.155 galUS	940.281 galUS	91.5145 galUS	13.84 galUS	2.11338 galUS	1.4054 galUS	0 galUS	0 galUS
38 %<Y<=50 %	0 galUS	4.86605 galUS	3.19648 galUS	232.001 galUS	1106.54 galUS	3720.22 galUS	431.15 galUS	11.119 galUS	1.71183 galUS	0.451734 galUS	0 galUS	0 galUS
50 %<Y<=63 %	0 galUS	1.15443 galUS	2.67606 galUS	211.324 galUS	1124.3 galUS	5506.11 galUS	1109.24 galUS	9.7321 galUS	1.63258 galUS	0.158503 galUS	0 galUS	0 galUS
63 %<Y<=75 %	0 galUS	0.121519 galUS	1.18613 galUS	152.036 galUS	690.239 galUS	2666.47 galUS	515.009 galUS	8.89731 galUS	0.98272 galUS	0 galUS	0 galUS	0 galUS
75 %<Y<=88 %	0 galUS	0 galUS	0.3989 galUS	128.47 galUS	545.18 galUS	1257.66 galUS	246.116 galUS	26.2904 galUS	0.253605 galUS	0 galUS	0 galUS	0 galUS
88 %<Y<=100 %	0 galUS	0 galUS	0.163787 galUS	346.015 galUS	1989.52 galUS	2682.77 galUS	157.853 galUS	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS
Y>100 %	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS

Close >

2.9.6. Coolant Temperature Histogram

Engine Coolant Temperature (ECT)

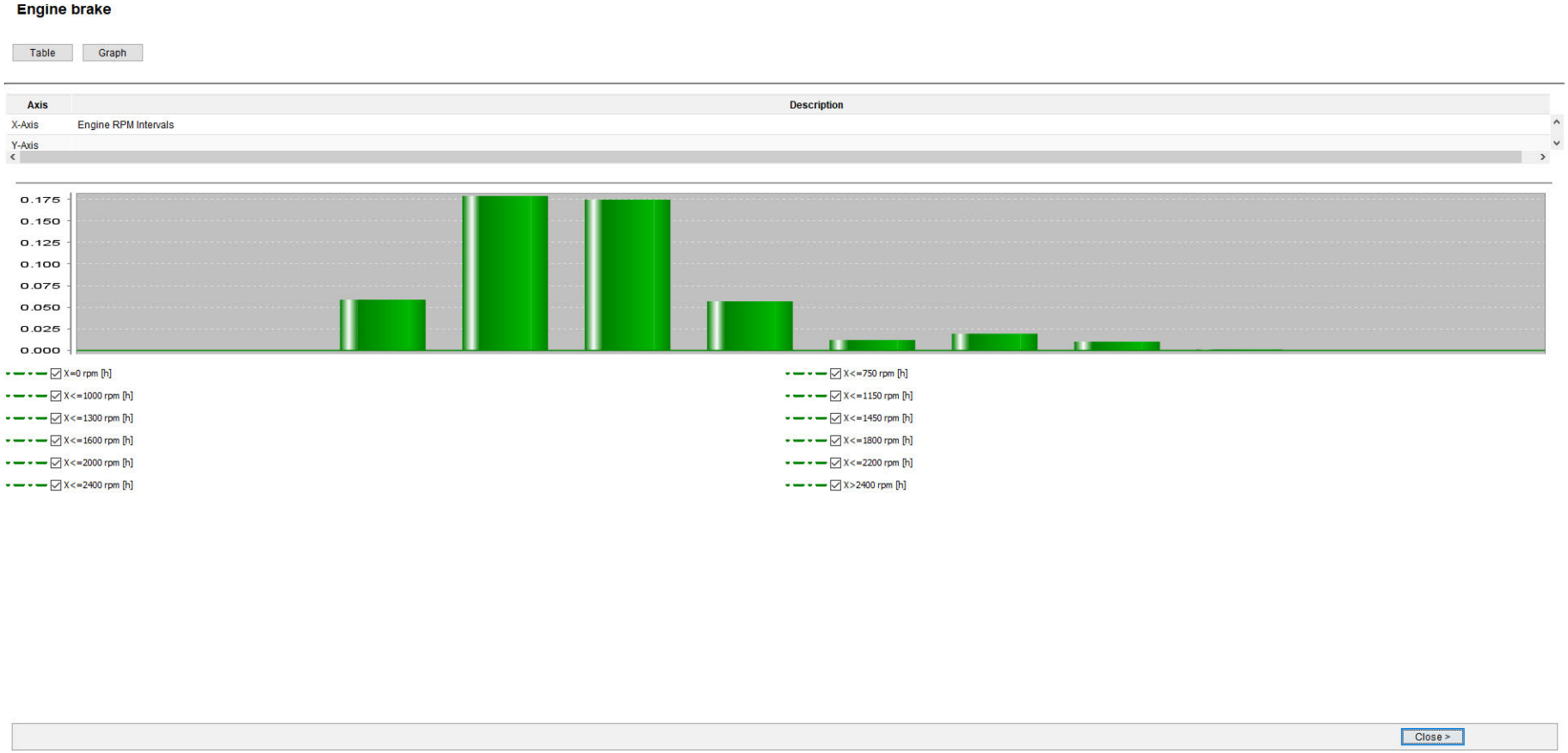
Table | Graph

Axis	Description
X-Axis	Engine RPM Intervals
Y-Axis	Coolant Temperature Intervals

	X=0 rpm	X<=750 rpm	X<=1000 rpm	X<=1150 rpm	X<=1300 rpm	X<=1450 rpm	X<=1600 rpm	X<=1800 rpm	X<=2000 rpm	X<=2200 rpm	X<=2400 rpm	X>2400 rpm
Y=-13 °F	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h
-13 °F<Y<=5 °F	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h
5 °F<Y<=23 °F	0 h	0.0305556 h	0 h	2.77778 E-4h	0 h	0 h	0 h	2.77778 E-4h	0.00222222 h	0 h	0 h	0 h
23 °F<Y<=41 °F	0 h	0.3725 h	0.03 h	0.0158333 h	0.00388889 h	0.00638889 h	0.005 h	0 h	0 h	0 h	0 h	0 h
41 °F<Y<=59 °F	0 h	3.42556 h	0.0491667 h	0.0661111 h	0.0272222 h	0.00722222 h	0.0191667 h	0.00361111 h	0.00416667 h	0 h	0 h	0 h
59 °F<Y<=77 °F	0 h	10.5328 h	0.385 h	0.299722 h	0.163889 h	0.103889 h	0.0308333 h	0.00833333 h	0.0175 h	0 h	0 h	0 h
77 °F<Y<=95 °F	0 h	15.9836 h	0.841111 h	0.840556 h	0.508056 h	0.258056 h	0.104444 h	0.0627778 h	0.0319444 h	2.77778 E-4h	0 h	0 h
95 °F<Y<=113 °F	0 h	17.9053 h	1.58194 h	2.04167 h	1.53222 h	0.546389 h	0.170556 h	0.0966667 h	0.0391667 h	0.00555556 h	0 h	0 h
113 °F<Y<=131 °F	0 h	11.5139 h	2.45889 h	3.7925 h	2.80722 h	0.830833 h	0.266667 h	0.166111 h	0.104167 h	0.00805556 h	0 h	0 h
131 °F<Y<=149 °F	0 h	12.1386 h	3.00972 h	5.41694 h	4.49639 h	1.41889 h	0.363889 h	0.209722 h	0.0877778 h	0.0130556 h	0 h	0 h
149 °F<Y<=167 °F	0 h	54.3214 h	4.49722 h	6.66778 h	5.95472 h	2.22556 h	0.424167 h	0.213333 h	0.0613889 h	0.02 h	0 h	0 h
167 °F<Y<=185 °F	0 h	1142.74 h	104.145 h	246.221 h	437.018 h	1432.29 h	328.161 h	7.68806 h	0.855833 h	0.124444 h	0 h	0 h
185 °F<Y<=203 °F	0 h	28.9306 h	12.4758 h	40.6231 h	84.2092 h	340.188 h	44.0586 h	1.06139 h	0.0577778 h	0.00166667 h	0 h	0 h
203 °F<Y<=221 °F	0 h	2.08972 h	1.17444 h	3.96139 h	6.97111 h	9.66056 h	0.258611 h	0.135833 h	0.0144444 h	5.55556 E-4h	0 h	0 h
221 °F<Y<=239 °F	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h
Y>239 °F	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h

Close >

2.9.7. Engine Brake Histogram



2.9.8. Intake Air Temperature Histogram

Intake air temperature

Table Graph

Axis	Description
X-Axis	Engine RPM Intervals
Y-Axis	Intake Air Temperature Intervals

	X=0 rpm	X<=750 rpm	X<=1000 rpm	X<=1150 rpm	X<=1300 rpm	X<=1450 rpm	X<=1600 rpm	X<=1800 rpm	X<=2000 rpm	X<=2200 rpm	X<=2400 rpm	X>2400 rpm
Y=-22 °F	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h
-22 °F<Y<=-4 °F	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h
-4 °F<Y<=14 °F	0 h	0.00333333 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h
14 °F<Y<=32 °F	0 h	0.365556 h	0.0225 h	0.128333 h	5.55556 E-4h	0.00166667 h	2.77778 E-4h	5.55556 E-4h	0.00222222 h	0 h	0 h	0 h
32 °F<Y<=50 °F	0 h	7.53417 h	0.675556 h	0.727222 h	0.4625 h	0.176389 h	0.0905556 h	0.0497222 h	0.0219444 h	0.00333333 h	0 h	0 h
50 °F<Y<=68 °F	0 h	32.0247 h	3.18111 h	4.38028 h	3.33611 h	1.1175 h	0.388056 h	0.251667 h	0.100556 h	0.0191667 h	0 h	0 h
68 °F<Y<=86 °F	0 h	54.2556 h	9.70528 h	16.8439 h	17.2858 h	20.6828 h	3.35417 h	0.751389 h	0.221389 h	0.035 h	0 h	0 h
86 °F<Y<=104 °F	0 h	128.973 h	26.1628 h	65.5886 h	127.04 h	387.536 h	32.2286 h	1.94583 h	0.225833 h	0.035 h	0 h	0 h
104 °F<Y<=122 °F	0 h	213.865 h	36.0581 h	98.9508 h	188.238 h	771.628 h	170.418 h	2.92722 h	0.286389 h	0.0308333 h	0 h	0 h
122 °F<Y<=140 °F	0 h	318.344 h	33.4775 h	86.1742 h	157.131 h	523.523 h	147.379 h	2.425 h	0.256111 h	0.0355556 h	0 h	0 h
140 °F<Y<=158 °F	0 h	470.335 h	20.7022 h	36.1294 h	49.0367 h	82.2981 h	19.9225 h	1.24 h	0.157222 h	0.0141667 h	0 h	0 h
158 °F<Y<=176 °F	0 h	74.2242 h	0.657778 h	1.02222 h	1.16 h	0.572222 h	0.0808333 h	0.0544444 h	0.00472222 h	5.55556 E-4h	0 h	0 h
176 °F<Y<=194 °F	0 h	0.0594444 h	0.00527778 h	0.00194444 h	0.00194444 h	0.00222222 h	8.33333 E-4h	2.77778 E-4h	0 h	0 h	0 h	0 h
Y>194 °F	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h

Close >

2.9.9. Duty Cycle Time Histogram

Duty cycle-Time

Table | Graph

Axis	Description
X-Axis	Engine RPM Intervals
Y-Axis	Duty cycle

	X=0 rpm	X<=750 rpm	X<=1000 rpm	X<=1150 rpm	X<=1300 rpm	X<=1450 rpm	X<=1600 rpm	X<=1800 rpm	X<=2000 rpm	X<=2200 rpm	X<=2400 rpm	X>2400 rpm
Y=0 mph	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h	0 h
0 mph<Y<=3.10686 mph	0 h	1246.8 h	5.82722 h	3.21917 h	0.473611 h	0.3225 h	0.158611 h	0.0630556 h	0.0930556 h	0.0105556 h	0 h	0 h
3.10686 mph<Y<=15.5343 mph	0 h	42.7394 h	43.8433 h	36.4547 h	23.4858 h	14.1203 h	4.98306 h	4.50972 h	0.9025 h	0.123889 h	0 h	0 h
15.5343 mph<Y<=27.9617 mph	0 h	9.93222 h	37.9419 h	40.8944 h	48.1467 h	15.4711 h	6.57722 h	3.55667 h	0.221667 h	0.0272222 h	0 h	0 h
27.9617 mph<Y<=34.1754 mph	0 h	0.492778 h	14.5603 h	42.6292 h	27.0761 h	10.775 h	2.38389 h	0.341389 h	0.0308333 h	0.00111111 h	0 h	0 h
34.1754 mph<Y<=40.3891 mph	0 h	0.0177778 h	17.3931 h	58.0375 h	20.235 h	8.59528 h	0.504722 h	0.676111 h	0.00472222 h	0.00777778 h	0 h	0 h
40.3891 mph<Y<=46.6028 mph	0 h	0 h	11.0672 h	18.9956 h	61.6472 h	0.765833 h	0.458333 h	0.0911111 h	0.00888889 h	0.00222222 h	0 h	0 h
46.6028 mph<Y<=52.8166 mph	0 h	0 h	0.015 h	108.337 h	4.69278 h	19.13 h	0.114722 h	0.133056 h	0.00472222 h	0 h	0 h	0 h
52.8166 mph<Y<=59.0303 mph	0 h	0 h	0 h	1.37972 h	289.67 h	0.103056 h	0.3325 h	0.065 h	0.00388889 h	5.55556 E-4h	0 h	0 h
59.0303 mph<Y<=65.244 mph	0 h	0 h	0 h	0 h	68.2653 h	1073.46 h	0.0277778 h	0.21 h	0.00222222 h	2.77778 E-4h	0 h	0 h
65.244 mph<Y<=71.4577 mph	0 h	0 h	0 h	0 h	0 h	644.794 h	358.322 h	0 h	0.00388889 h	0 h	0 h	0 h
Y>71.4577 mph	0 h	0 h	0 h	0 h	0 h	0 h	5.55556 E-4h	0 h	0 h	0 h	0 h	0 h

Close >

2.9.10. Duty Cycle Fuel Histogram

Duty cycle-Fuel

Table Graph

Axis	Description
X-Axis	Engine RPM Intervals
Y-Axis	Duty cycle

	X=0 rpm	X<=750 rpm	X<=950 rpm	X<=1150 rpm	X<=1350 rpm	X<=1500 rpm	X<=1650 rpm	X<=1800 rpm	X<=1950 rpm	X<=2100 rpm	X<=2300 rpm	X>2300 rpm
Y=0 mph	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS
0 mph<Y<=3.10686 mph	0 galUS	799.894 galUS	5.51063 galUS	9.27508 galUS	1.14915 galUS	0.581179 galUS	0.327573 galUS	0.145295 galUS	0.211338 galUS	0.174354 galUS	0 galUS	0 galUS
3.10686 mph<Y<=15.5343 mph	0 galUS	24.4333 galUS	31.3863 galUS	97.424 galUS	112.001 galUS	78.5621 galUS	38.8676 galUS	44.9515 galUS	8.96072 galUS	3.03798 galUS	0.00264172 galUS	0 galUS
15.5343 mph<Y<=27.9617 mph	0 galUS	0.929886 galUS	6.99792 galUS	154.514 galUS	384.22 galUS	189.443 galUS	64.5478 galUS	39.1133 galUS	2.57568 galUS	0.612879 galUS	0 galUS	0 galUS
27.9617 mph<Y<=34.1754 mph	0 galUS	0.018492 galUS	4.0524 galUS	186.41 galUS	266.795 galUS	129.141 galUS	10.3503 galUS	4.88982 galUS	0.385691 galUS	0.0818933 galUS	0 galUS	0 galUS
34.1754 mph<Y<=40.3891 mph	0 galUS	0 galUS	0.866484 galUS	293.511 galUS	257.182 galUS	67.3163 galUS	15.0367 galUS	6.06275 galUS	0.0607596 galUS	0.0766099 galUS	0 galUS	0 galUS
40.3891 mph<Y<=46.6028 mph	0 galUS	0 galUS	2.9508 galUS	114.45 galUS	476.22 galUS	17.2082 galUS	4.83435 galUS	0.134728 galUS	0.0607596 galUS	0.0449092 galUS	0 galUS	0 galUS
46.6028 mph<Y<=52.8166 mph	0 galUS	0 galUS	0 galUS	680.304 galUS	186.622 galUS	109.507 galUS	0.116236 galUS	2.39076 galUS	0.0343424 galUS	0 galUS	0 galUS	0 galUS
52.8166 mph<Y<=59.0303 mph	0 galUS	0 galUS	0 galUS	11.9934 galUS	2357.96 galUS	2.89004 galUS	4.58074 galUS	0 galUS	0.00792516 galUS	0 galUS	0 galUS	0 galUS
59.0303 mph<Y<=65.244 mph	0 galUS	0 galUS	0 galUS	0 galUS	2523.63 galUS	8809.12 galUS	0.385691 galUS	3.54783 galUS	0.0211338 galUS	0 galUS	0 galUS	0 galUS
65.244 mph<Y<=71.4577 mph	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS	7767.14 galUS	2472.55 galUS	0 galUS	0.066043 galUS	0 galUS	0 galUS	0 galUS
Y>71.4577 mph	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS	0 galUS

Close >

2.10. System Date and Time

Instrument Cluster ECU was not imaged.

3. DataMax Incident Log Information

3.1.1. Logged Incident Table No. 1

Data Source: **Acceleration-Triggered Event**
VIN:
Vehicle Unit ID: **M742 007078**
Imaging Date & Time: **Monday October 07 2024 14:51:57 (UTC) Coordinated Universal Time**
Incident Date & Time: **Thursday August 15 2024 09:29:03 (UTC) Coordinated Universal Time**
Odometer At Incident: **479,628.7 (miles)**

TIME	BEFORE/AFTER	Accelerator Pedal Position	Vehicle Speed	Engine Speed	SW1	SW2	SW3	SW4	SW5	SW6	SW7	SW8
-60.00	Sec Before Trigger	0%	70.2 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-59.75	Sec Before Trigger	0%	70.2 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-59.50	Sec Before Trigger	0%	69.6 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-59.25	Sec Before Trigger	0%	70.2 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-59.00	Sec Before Trigger	0%	70.2 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-58.75	Sec Before Trigger	0%	70.2 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-58.50	Sec Before Trigger	0%	70.2 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-58.25	Sec Before Trigger	0%	70.2 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-58.00	Sec Before Trigger	0%	70.2 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-57.75	Sec Before Trigger	0%	70.2 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-57.50	Sec Before Trigger	0%	70.2 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-57.25	Sec Before Trigger	0%	70.2 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-57.00	Sec Before Trigger	0%	70.2 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-56.75	Sec Before Trigger	0%	70.2 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-56.50	Sec Before Trigger	0%	70.2 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-56.25	Sec Before Trigger	0%	70.2 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-56.00	Sec Before Trigger	0%	70.2 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-55.75	Sec Before Trigger	0%	70.2 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-55.50	Sec Before Trigger	0%	70.2 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-55.25	Sec Before Trigger	0%	70.2 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-55.00	Sec Before Trigger	0%	70.2 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-54.75	Sec Before Trigger	0%	70.2 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-54.50	Sec Before Trigger	0%	70.2 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-54.25	Sec Before Trigger	0%	70.2 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF

SW1 - Service Brake SW3 - Clutch Pushed SW5 - Engine Brake High SW7 - Key Switch
SW2- Park Brake SW4 - Engine Brake Low SW6 - Cruise Control SW8 - Undefined

TIME	BEFORE/AFTER	Accelerator Pedal Position	Vehicle Speed	Engine Speed	SW1	SW2	SW3	SW4	SW5	SW6	SW7	SW8
-54.00	Sec Before Trigger	0%	70.2 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-53.75	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-53.50	Sec Before Trigger	0%	70.2 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-53.25	Sec Before Trigger	0%	70.2 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-53.00	Sec Before Trigger	0%	69.6 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-52.75	Sec Before Trigger	0%	70.2 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-52.50	Sec Before Trigger	0%	70.2 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-52.25	Sec Before Trigger	0%	70.2 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-52.00	Sec Before Trigger	0%	70.2 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-51.75	Sec Before Trigger	0%	70.2 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-51.50	Sec Before Trigger	0%	70.2 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-51.25	Sec Before Trigger	0%	70.2 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-51.00	Sec Before Trigger	0%	69.6 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-50.75	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-50.50	Sec Before Trigger	0%	69.6 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-50.25	Sec Before Trigger	0%	69.6 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-50.00	Sec Before Trigger	0%	70.2 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-49.75	Sec Before Trigger	0%	69.6 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-49.50	Sec Before Trigger	0%	69.6 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-49.25	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-49.00	Sec Before Trigger	0%	69.6 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-48.75	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-48.50	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-48.25	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-48.00	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-47.75	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-47.50	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-47.25	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-47.00	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-46.75	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-46.50	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-46.25	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-46.00	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-45.75	Sec Before Trigger	0%	69.6 MPH	1500 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-45.50	Sec Before Trigger	0%	69.6 MPH	1500 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-45.25	Sec Before Trigger	0%	69.6 MPH	1500 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-45.00	Sec Before Trigger	0%	69.0 MPH	1500 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF

SW1 - Service Brake SW3 - Clutch Pushed SW5 - Engine Brake High SW7 - Key Switch

SW2- Park Brake SW4 - Engine Brake Low SW6 - Cruise Control SW8 - Undefined

TIME	BEFORE/AFTER	Accelerator Pedal Position	Vehicle Speed	Engine Speed	SW1	SW2	SW3	SW4	SW5	SW6	SW7	SW8
-44.75	Sec Before Trigger	0%	69.0 MPH	1500 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-44.50	Sec Before Trigger	0%	69.0 MPH	1500 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-44.25	Sec Before Trigger	0%	69.0 MPH	1500 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-44.00	Sec Before Trigger	0%	69.0 MPH	1500 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-43.75	Sec Before Trigger	0%	69.0 MPH	1500 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-43.50	Sec Before Trigger	0%	69.0 MPH	1500 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-43.25	Sec Before Trigger	0%	69.0 MPH	1500 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-43.00	Sec Before Trigger	0%	69.0 MPH	1500 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-42.75	Sec Before Trigger	0%	69.0 MPH	1500 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-42.50	Sec Before Trigger	0%	69.0 MPH	1500 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-42.25	Sec Before Trigger	0%	69.0 MPH	1500 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-42.00	Sec Before Trigger	0%	69.0 MPH	1500 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-41.75	Sec Before Trigger	0%	69.0 MPH	1500 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-41.50	Sec Before Trigger	0%	69.0 MPH	1500 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-41.25	Sec Before Trigger	0%	69.0 MPH	1500 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-41.00	Sec Before Trigger	0%	69.0 MPH	1500 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-40.75	Sec Before Trigger	0%	69.0 MPH	1500 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-40.50	Sec Before Trigger	0%	69.0 MPH	1500 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-40.25	Sec Before Trigger	0%	69.0 MPH	1500 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-40.00	Sec Before Trigger	0%	69.0 MPH	1500 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-39.75	Sec Before Trigger	0%	69.0 MPH	1500 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-39.50	Sec Before Trigger	0%	69.0 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-39.25	Sec Before Trigger	0%	69.0 MPH	1500 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-39.00	Sec Before Trigger	0%	69.0 MPH	1500 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-38.75	Sec Before Trigger	0%	69.6 MPH	1500 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-38.50	Sec Before Trigger	0%	69.6 MPH	1500 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-38.25	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-38.00	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-37.75	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-37.50	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-37.25	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-37.00	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-36.75	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-36.50	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-36.25	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-36.00	Sec Before Trigger	0%	69.6 MPH	1500 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-35.75	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF

SW1 - Service Brake SW3 - Clutch Pushed SW5 - Engine Brake High SW7 - Key Switch

SW2- Park Brake SW4 - Engine Brake Low SW6 - Cruise Control SW8 - Undefined

TIME	BEFORE/AFTER	Accelerator Pedal Position	Vehicle Speed	Engine Speed	SW1	SW2	SW3	SW4	SW5	SW6	SW7	SW8
-35.50	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-35.25	Sec Before Trigger	0%	69.6 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-35.00	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-34.75	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-34.50	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-34.25	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-34.00	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-33.75	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-33.50	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-33.25	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-33.00	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-32.75	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-32.50	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-32.25	Sec Before Trigger	0%	69.6 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-32.00	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-31.75	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-31.50	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-31.25	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-31.00	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-30.75	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-30.50	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-30.25	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-30.00	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-29.75	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-29.50	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-29.25	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-29.00	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-28.75	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-28.50	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-28.25	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-28.00	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-27.75	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-27.50	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-27.25	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-27.00	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-26.75	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-26.50	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF

SW1 - Service Brake SW3 - Clutch Pushed SW5 - Engine Brake High SW7 - Key Switch

SW2- Park Brake SW4 - Engine Brake Low SW6 - Cruise Control SW8 - Undefined

TIME	BEFORE/AFTER	Accelerator Pedal Position	Vehicle Speed	Engine Speed	SW1	SW2	SW3	SW4	SW5	SW6	SW7	SW8
-26.25	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-26.00	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-25.75	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-25.50	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-25.25	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-25.00	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-24.75	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-24.50	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-24.25	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-24.00	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-23.75	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-23.50	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-23.25	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-23.00	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-22.75	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-22.50	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-22.25	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-22.00	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-21.75	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-21.50	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-21.25	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-21.00	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-20.75	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-20.50	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-20.25	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-20.00	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-19.75	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-19.50	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-19.25	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-19.00	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-18.75	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-18.50	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-18.25	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-18.00	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-17.75	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-17.50	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-17.25	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF

SW1 - Service Brake SW3 - Clutch Pushed SW5 - Engine Brake High SW7 - Key Switch

SW2- Park Brake SW4 - Engine Brake Low SW6 - Cruise Control SW8 - Undefined

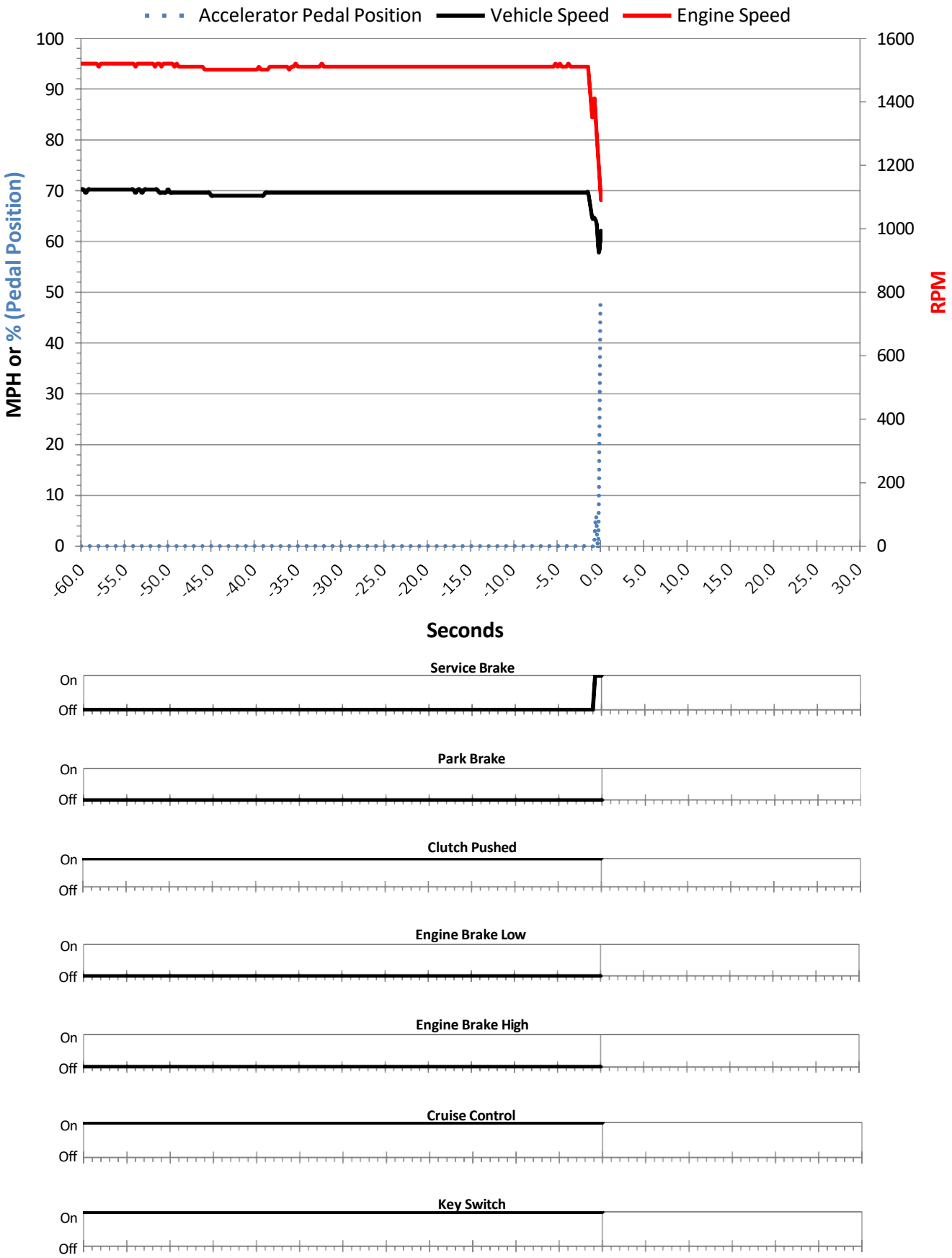
TIME	BEFORE/AFTER	Accelerator Pedal Position	Vehicle Speed	Engine Speed	SW1	SW2	SW3	SW4	SW5	SW6	SW7	SW8
-17.00	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-16.75	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-16.50	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-16.25	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-16.00	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-15.75	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-15.50	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-15.25	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-15.00	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-14.75	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-14.50	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-14.25	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-14.00	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-13.75	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-13.50	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-13.25	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-13.00	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-12.75	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-12.50	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-12.25	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-12.00	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-11.75	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-11.50	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-11.25	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-11.00	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-10.75	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-10.50	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-10.25	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-10.00	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-9.75	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-9.50	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-9.25	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-9.00	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-8.75	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-8.50	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-8.25	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-8.00	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF

SW1 - Service Brake SW3 - Clutch Pushed SW5 - Engine Brake High SW7 - Key Switch

SW2- Park Brake SW4 - Engine Brake Low SW6 - Cruise Control SW8 - Undefined

TIME	BEFORE/AFTER	Accelerator Pedal Position	Vehicle Speed	Engine Speed	SW1	SW2	SW3	SW4	SW5	SW6	SW7	SW8
-7.75	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-7.50	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-7.25	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-7.00	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-6.75	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-6.50	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-6.25	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-6.00	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-5.75	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-5.50	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-5.25	Sec Before Trigger	0%	69.6 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-5.00	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-4.75	Sec Before Trigger	0%	69.6 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-4.50	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-4.25	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-4.00	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-3.75	Sec Before Trigger	0%	69.6 MPH	1520 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-3.50	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-3.25	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-3.00	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-2.75	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-2.50	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-2.25	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-2.00	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-1.75	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-1.50	Sec Before Trigger	0%	69.6 MPH	1510 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-1.25	Sec Before Trigger	0%	67.1 MPH	1430 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-1.00	Sec Before Trigger	0%	64.6 MPH	1350 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-0.75	Sec Before Trigger	0%	64.6 MPH	1410 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-0.50	Sec Before Trigger	6%	63.4 MPH	1300 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-0.25	Sec Before Trigger	0%	57.8 MPH	1200 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
0.00	Trigger Occured	48%	62.1 MPH	1090 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF

3.1.2. Logged Incident Chart No. 1 – Acceleration-Triggered Event Data



3.1.3. Logged Incident Table No. 2

Data Source: **Last Stop Event**
VIN:
Vehicle Unit ID: **M742 007078**
Imaging Date & Time: **Monday October 07 2024 14:51:57 (UTC) Coordinated Universal Time**
Incident Date & Time: **Thursday August 15 2024 06:30:46 (UTC) Coordinated Universal Time**
Odometer At Incident: **479,443.2 (miles)**

TIME	BEFORE/AFTER	Accelerator Pedal Position	Vehicle Speed	Engine Speed	SW1	SW2	SW3	SW4	SW5	SW6	SW7	SW8
-89.75	Sec Before Trigger	0%	13.0 MPH	890 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-89.50	Sec Before Trigger	0%	13.0 MPH	940 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-89.25	Sec Before Trigger	0%	12.4 MPH	900 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-89.00	Sec Before Trigger	0%	12.4 MPH	900 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-88.75	Sec Before Trigger	0%	11.8 MPH	880 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-88.50	Sec Before Trigger	0%	11.2 MPH	860 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-88.25	Sec Before Trigger	0%	11.2 MPH	850 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-88.00	Sec Before Trigger	0%	11.2 MPH	860 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-87.75	Sec Before Trigger	0%	11.2 MPH	910 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-87.50	Sec Before Trigger	0%	11.2 MPH	960 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-87.25	Sec Before Trigger	0%	11.2 MPH	1010 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-87.00	Sec Before Trigger	0%	11.2 MPH	1030 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-86.75	Sec Before Trigger	0%	11.2 MPH	1030 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-86.50	Sec Before Trigger	0%	10.6 MPH	1010 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-86.25	Sec Before Trigger	0%	11.2 MPH	1010 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-86.00	Sec Before Trigger	0%	10.6 MPH	1000 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-85.75	Sec Before Trigger	0%	10.6 MPH	1000 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-85.50	Sec Before Trigger	0%	10.6 MPH	1000 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-85.25	Sec Before Trigger	0%	10.6 MPH	1010 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-85.00	Sec Before Trigger	0%	10.6 MPH	970 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-84.75	Sec Before Trigger	0%	10.6 MPH	1000 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-84.50	Sec Before Trigger	0%	10.6 MPH	1000 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-84.25	Sec Before Trigger	0%	10.6 MPH	990 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-84.00	Sec Before Trigger	0%	10.6 MPH	1000 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-83.75	Sec Before Trigger	0%	10.6 MPH	990 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-83.50	Sec Before Trigger	0%	10.6 MPH	1000 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-83.25	Sec Before Trigger	0%	10.6 MPH	1000 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF

TIME	BEFORE/AFTER	Accelerator Pedal Position	Vehicle Speed	Engine Speed	SW1	SW2	SW3	SW4	SW5	SW6	SW7	SW8
-83.00	Sec Before Trigger	0%	10.6 MPH	1000 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-82.75	Sec Before Trigger	0%	10.6 MPH	1020 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-82.50	Sec Before Trigger	0%	10.6 MPH	990 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-82.25	Sec Before Trigger	0%	10.6 MPH	1010 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-82.00	Sec Before Trigger	0%	10.6 MPH	1010 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-81.75	Sec Before Trigger	0%	10.6 MPH	1010 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-81.50	Sec Before Trigger	0%	10.6 MPH	1000 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-81.25	Sec Before Trigger	0%	10.6 MPH	1010 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-81.00	Sec Before Trigger	2%	10.6 MPH	990 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-80.75	Sec Before Trigger	13%	10.6 MPH	1000 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-80.50	Sec Before Trigger	18%	10.6 MPH	1010 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-80.25	Sec Before Trigger	30%	10.6 MPH	1040 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-80.00	Sec Before Trigger	30%	11.2 MPH	1030 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-79.75	Sec Before Trigger	30%	11.2 MPH	1030 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-79.50	Sec Before Trigger	30%	11.2 MPH	1050 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-79.25	Sec Before Trigger	30%	11.2 MPH	1070 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-79.00	Sec Before Trigger	31%	11.8 MPH	1090 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-78.75	Sec Before Trigger	35%	11.8 MPH	1100 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-78.50	Sec Before Trigger	34%	11.8 MPH	1120 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-78.25	Sec Before Trigger	34%	11.8 MPH	1130 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-78.00	Sec Before Trigger	34%	12.4 MPH	1150 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-77.75	Sec Before Trigger	32%	12.4 MPH	1160 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-77.50	Sec Before Trigger	32%	12.4 MPH	1170 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-77.25	Sec Before Trigger	30%	12.4 MPH	1190 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-77.00	Sec Before Trigger	30%	12.4 MPH	1190 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-76.75	Sec Before Trigger	30%	13.0 MPH	1210 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-76.50	Sec Before Trigger	32%	13.0 MPH	1210 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-76.25	Sec Before Trigger	32%	13.0 MPH	1230 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-76.00	Sec Before Trigger	32%	13.0 MPH	1230 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-75.75	Sec Before Trigger	32%	13.0 MPH	1240 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-75.50	Sec Before Trigger	32%	13.0 MPH	1240 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-75.25	Sec Before Trigger	32%	13.0 MPH	1250 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-75.00	Sec Before Trigger	32%	13.0 MPH	1250 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-74.75	Sec Before Trigger	32%	13.0 MPH	1250 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-74.50	Sec Before Trigger	32%	13.0 MPH	1260 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-74.25	Sec Before Trigger	32%	13.7 MPH	1260 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-74.00	Sec Before Trigger	25%	13.7 MPH	1280 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF

SW1 - Service Brake SW3 - Clutch Pushed SW5 - Engine Brake High SW7 - Key Switch

SW2- Park Brake SW4 - Engine Brake Low SW6 - Cruise Control SW8 - Undefined

TIME	BEFORE/AFTER	Accelerator Pedal Position	Vehicle Speed	Engine Speed	SW1	SW2	SW3	SW4	SW5	SW6	SW7	SW8
-73.75	Sec Before Trigger	24%	13.0 MPH	1250 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-73.50	Sec Before Trigger	25%	13.7 MPH	1260 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-73.25	Sec Before Trigger	25%	13.7 MPH	1270 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-73.00	Sec Before Trigger	25%	13.7 MPH	1270 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-72.75	Sec Before Trigger	24%	13.7 MPH	1270 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-72.50	Sec Before Trigger	24%	13.7 MPH	1270 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-72.25	Sec Before Trigger	24%	13.7 MPH	1270 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-72.00	Sec Before Trigger	24%	13.7 MPH	1270 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-71.75	Sec Before Trigger	12%	13.7 MPH	1270 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-71.50	Sec Before Trigger	0%	13.0 MPH	1240 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-71.25	Sec Before Trigger	0%	13.0 MPH	1250 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-71.00	Sec Before Trigger	0%	13.0 MPH	1230 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-70.75	Sec Before Trigger	0%	13.0 MPH	1230 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-70.50	Sec Before Trigger	0%	13.0 MPH	1240 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-70.25	Sec Before Trigger	0%	13.0 MPH	1210 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-70.00	Sec Before Trigger	0%	13.0 MPH	1190 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-69.75	Sec Before Trigger	0%	12.4 MPH	1180 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-69.50	Sec Before Trigger	0%	12.4 MPH	1170 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-69.25	Sec Before Trigger	0%	12.4 MPH	1150 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-69.00	Sec Before Trigger	0%	11.8 MPH	1140 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-68.75	Sec Before Trigger	0%	11.8 MPH	1130 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-68.50	Sec Before Trigger	0%	11.8 MPH	1090 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-68.25	Sec Before Trigger	0%	11.8 MPH	1070 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-68.00	Sec Before Trigger	0%	11.2 MPH	1070 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-67.75	Sec Before Trigger	0%	11.2 MPH	1050 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-67.50	Sec Before Trigger	0%	10.6 MPH	1020 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-67.25	Sec Before Trigger	0%	10.6 MPH	1000 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-67.00	Sec Before Trigger	0%	10.6 MPH	980 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-66.75	Sec Before Trigger	0%	10.6 MPH	990 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-66.50	Sec Before Trigger	0%	9.9 MPH	950 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-66.25	Sec Before Trigger	12%	9.9 MPH	950 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-66.00	Sec Before Trigger	11%	9.9 MPH	960 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-65.75	Sec Before Trigger	13%	9.9 MPH	980 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-65.50	Sec Before Trigger	22%	9.9 MPH	930 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-65.25	Sec Before Trigger	22%	9.9 MPH	970 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-65.00	Sec Before Trigger	21%	9.9 MPH	940 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-64.75	Sec Before Trigger	21%	9.9 MPH	960 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF

SW1 - Service Brake SW3 - Clutch Pushed SW5 - Engine Brake High SW7 - Key Switch

SW2- Park Brake SW4 - Engine Brake Low SW6 - Cruise Control SW8 - Undefined

TIME	BEFORE/AFTER	Accelerator Pedal Position	Vehicle Speed	Engine Speed	SW1	SW2	SW3	SW4	SW5	SW6	SW7	SW8
-64.50	Sec Before Trigger	20%	9.9 MPH	970 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-64.25	Sec Before Trigger	19%	9.9 MPH	970 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-64.00	Sec Before Trigger	20%	10.6 MPH	970 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-63.75	Sec Before Trigger	22%	10.6 MPH	980 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-63.50	Sec Before Trigger	27%	10.6 MPH	970 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-63.25	Sec Before Trigger	20%	10.6 MPH	1030 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-63.00	Sec Before Trigger	24%	10.6 MPH	990 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-62.75	Sec Before Trigger	25%	10.6 MPH	1020 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-62.50	Sec Before Trigger	18%	10.6 MPH	1030 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-62.25	Sec Before Trigger	17%	10.6 MPH	1010 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-62.00	Sec Before Trigger	14%	10.6 MPH	1020 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-61.75	Sec Before Trigger	14%	10.6 MPH	1030 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-61.50	Sec Before Trigger	13%	10.6 MPH	1010 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-61.25	Sec Before Trigger	16%	10.6 MPH	1010 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-61.00	Sec Before Trigger	13%	11.2 MPH	1030 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-60.75	Sec Before Trigger	14%	11.2 MPH	1030 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-60.50	Sec Before Trigger	17%	10.6 MPH	980 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-60.25	Sec Before Trigger	14%	10.6 MPH	1050 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-60.00	Sec Before Trigger	13%	11.2 MPH	1020 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-59.75	Sec Before Trigger	19%	10.6 MPH	990 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-59.50	Sec Before Trigger	15%	11.2 MPH	1020 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-59.25	Sec Before Trigger	17%	11.2 MPH	1050 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-59.00	Sec Before Trigger	23%	10.6 MPH	1000 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-58.75	Sec Before Trigger	22%	11.2 MPH	1040 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-58.50	Sec Before Trigger	23%	10.6 MPH	1010 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-58.25	Sec Before Trigger	26%	10.6 MPH	1030 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-58.00	Sec Before Trigger	24%	11.2 MPH	1040 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-57.75	Sec Before Trigger	24%	11.2 MPH	1030 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-57.50	Sec Before Trigger	24%	11.2 MPH	1050 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-57.25	Sec Before Trigger	21%	11.2 MPH	1040 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-57.00	Sec Before Trigger	22%	11.2 MPH	1050 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-56.75	Sec Before Trigger	20%	11.2 MPH	1070 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-56.50	Sec Before Trigger	19%	11.2 MPH	1070 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-56.25	Sec Before Trigger	20%	11.2 MPH	1080 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-56.00	Sec Before Trigger	21%	11.2 MPH	1060 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-55.75	Sec Before Trigger	20%	11.2 MPH	1070 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-55.50	Sec Before Trigger	21%	11.2 MPH	1050 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF

SW1 - Service Brake SW3 - Clutch Pushed SW5 - Engine Brake High SW7 - Key Switch
SW2- Park Brake SW4 - Engine Brake Low SW6 - Cruise Control SW8 - Undefined

TIME	BEFORE/AFTER	Accelerator Pedal Position	Vehicle Speed	Engine Speed	SW1	SW2	SW3	SW4	SW5	SW6	SW7	SW8
-55.25	Sec Before Trigger	24%	11.2 MPH	1070 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-55.00	Sec Before Trigger	24%	11.2 MPH	1080 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-54.75	Sec Before Trigger	24%	11.2 MPH	1070 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-54.50	Sec Before Trigger	22%	11.8 MPH	1090 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-54.25	Sec Before Trigger	22%	11.2 MPH	1080 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-54.00	Sec Before Trigger	26%	11.8 MPH	1090 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-53.75	Sec Before Trigger	21%	11.8 MPH	1120 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-53.50	Sec Before Trigger	24%	11.8 MPH	1100 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-53.25	Sec Before Trigger	24%	11.8 MPH	1140 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-53.00	Sec Before Trigger	23%	11.8 MPH	1120 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-52.75	Sec Before Trigger	27%	11.8 MPH	1130 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-52.50	Sec Before Trigger	27%	11.8 MPH	1140 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-52.25	Sec Before Trigger	28%	11.8 MPH	1130 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-52.00	Sec Before Trigger	30%	11.8 MPH	1140 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-51.75	Sec Before Trigger	30%	12.4 MPH	1150 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-51.50	Sec Before Trigger	32%	12.4 MPH	1170 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-51.25	Sec Before Trigger	27%	12.4 MPH	1190 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-51.00	Sec Before Trigger	24%	12.4 MPH	1160 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-50.75	Sec Before Trigger	26%	13.0 MPH	1200 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-50.50	Sec Before Trigger	24%	13.0 MPH	1190 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-50.25	Sec Before Trigger	26%	13.0 MPH	1210 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-50.00	Sec Before Trigger	24%	12.4 MPH	1210 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-49.75	Sec Before Trigger	24%	13.0 MPH	1220 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-49.50	Sec Before Trigger	23%	13.0 MPH	1200 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-49.25	Sec Before Trigger	23%	12.4 MPH	1200 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-49.00	Sec Before Trigger	22%	13.0 MPH	1260 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-48.75	Sec Before Trigger	21%	13.0 MPH	1220 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-48.50	Sec Before Trigger	22%	13.0 MPH	1230 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-48.25	Sec Before Trigger	22%	13.0 MPH	1230 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-48.00	Sec Before Trigger	22%	13.0 MPH	1230 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-47.75	Sec Before Trigger	22%	13.0 MPH	1220 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-47.50	Sec Before Trigger	21%	13.0 MPH	1240 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-47.25	Sec Before Trigger	22%	13.0 MPH	1220 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-47.00	Sec Before Trigger	21%	13.0 MPH	1240 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-46.75	Sec Before Trigger	22%	13.0 MPH	1220 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-46.50	Sec Before Trigger	21%	13.0 MPH	1230 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-46.25	Sec Before Trigger	21%	13.0 MPH	1230 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF

SW1 - Service Brake SW3 - Clutch Pushed SW5 - Engine Brake High SW7 - Key Switch

SW2- Park Brake SW4 - Engine Brake Low SW6 - Cruise Control SW8 - Undefined

TIME	BEFORE/AFTER	Accelerator Pedal Position	Vehicle Speed	Engine Speed	SW1	SW2	SW3	SW4	SW5	SW6	SW7	SW8
-46.00	Sec Before Trigger	23%	13.0 MPH	1230 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-45.75	Sec Before Trigger	21%	13.0 MPH	1240 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-45.50	Sec Before Trigger	21%	13.0 MPH	1230 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-45.25	Sec Before Trigger	21%	13.0 MPH	1240 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-45.00	Sec Before Trigger	21%	13.0 MPH	1230 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-44.75	Sec Before Trigger	20%	13.0 MPH	1240 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-44.50	Sec Before Trigger	20%	13.0 MPH	1210 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-44.25	Sec Before Trigger	20%	13.0 MPH	1210 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-44.00	Sec Before Trigger	20%	13.0 MPH	1220 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-43.75	Sec Before Trigger	19%	13.0 MPH	1220 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-43.50	Sec Before Trigger	19%	13.0 MPH	1210 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-43.25	Sec Before Trigger	15%	13.0 MPH	1190 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-43.00	Sec Before Trigger	9%	12.4 MPH	1200 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-42.75	Sec Before Trigger	0%	12.4 MPH	1190 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-42.50	Sec Before Trigger	0%	12.4 MPH	1180 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-42.25	Sec Before Trigger	0%	12.4 MPH	1170 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-42.00	Sec Before Trigger	0%	12.4 MPH	1150 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-41.75	Sec Before Trigger	0%	12.4 MPH	1140 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-41.50	Sec Before Trigger	0%	11.8 MPH	1130 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-41.25	Sec Before Trigger	0%	11.8 MPH	1120 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-41.00	Sec Before Trigger	0%	11.8 MPH	1100 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-40.75	Sec Before Trigger	0%	11.8 MPH	1100 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-40.50	Sec Before Trigger	0%	11.8 MPH	1090 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-40.25	Sec Before Trigger	0%	11.2 MPH	1080 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-40.00	Sec Before Trigger	0%	11.2 MPH	1060 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-39.75	Sec Before Trigger	0%	11.2 MPH	1050 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-39.50	Sec Before Trigger	0%	11.2 MPH	1030 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-39.25	Sec Before Trigger	0%	10.6 MPH	1010 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-39.00	Sec Before Trigger	0%	10.6 MPH	990 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-38.75	Sec Before Trigger	0%	9.9 MPH	960 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-38.50	Sec Before Trigger	0%	9.9 MPH	950 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-38.25	Sec Before Trigger	0%	9.3 MPH	900 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-38.00	Sec Before Trigger	0%	9.3 MPH	880 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-37.75	Sec Before Trigger	0%	9.3 MPH	850 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-37.50	Sec Before Trigger	0%	8.7 MPH	840 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-37.25	Sec Before Trigger	0%	8.7 MPH	800 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-37.00	Sec Before Trigger	0%	8.1 MPH	760 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF

SW1 - Service Brake SW3 - Clutch Pushed SW5 - Engine Brake High SW7 - Key Switch

SW2- Park Brake SW4 - Engine Brake Low SW6 - Cruise Control SW8 - Undefined

TIME	BEFORE/AFTER	Accelerator Pedal Position	Vehicle Speed	Engine Speed	SW1	SW2	SW3	SW4	SW5	SW6	SW7	SW8
-36.75	Sec Before Trigger	0%	8.1 MPH	730 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-36.50	Sec Before Trigger	0%	8.1 MPH	670 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-36.25	Sec Before Trigger	0%	7.5 MPH	610 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-36.00	Sec Before Trigger	0%	6.8 MPH	620 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-35.75	Sec Before Trigger	0%	6.8 MPH	630 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-35.50	Sec Before Trigger	0%	6.8 MPH	630 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-35.25	Sec Before Trigger	0%	6.2 MPH	640 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-35.00	Sec Before Trigger	0%	6.2 MPH	640 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-34.75	Sec Before Trigger	0%	5.6 MPH	640 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-34.50	Sec Before Trigger	0%	5.6 MPH	640 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-34.25	Sec Before Trigger	0%	5.6 MPH	650 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-34.00	Sec Before Trigger	2%	5.0 MPH	740 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-33.75	Sec Before Trigger	17%	5.0 MPH	890 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-33.50	Sec Before Trigger	42%	5.0 MPH	960 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-33.25	Sec Before Trigger	42%	5.0 MPH	1010 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-33.00	Sec Before Trigger	46%	5.0 MPH	1010 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-32.75	Sec Before Trigger	57%	5.0 MPH	1020 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-32.50	Sec Before Trigger	57%	5.0 MPH	1030 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-32.25	Sec Before Trigger	62%	5.6 MPH	1070 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-32.00	Sec Before Trigger	62%	5.6 MPH	1150 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-31.75	Sec Before Trigger	60%	6.2 MPH	1240 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-31.50	Sec Before Trigger	59%	6.8 MPH	1330 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-31.25	Sec Before Trigger	56%	7.5 MPH	1500 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-31.00	Sec Before Trigger	54%	7.5 MPH	1370 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-30.75	Sec Before Trigger	56%	6.8 MPH	1450 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-30.50	Sec Before Trigger	54%	8.1 MPH	1320 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-30.25	Sec Before Trigger	54%	8.1 MPH	990 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-30.00	Sec Before Trigger	57%	8.1 MPH	970 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-29.75	Sec Before Trigger	57%	8.1 MPH	1000 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-29.50	Sec Before Trigger	55%	8.7 MPH	1020 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-29.25	Sec Before Trigger	56%	8.7 MPH	1050 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-29.00	Sec Before Trigger	51%	9.3 MPH	1120 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-28.75	Sec Before Trigger	48%	9.3 MPH	1130 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-28.50	Sec Before Trigger	48%	10.6 MPH	1230 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-28.25	Sec Before Trigger	45%	10.6 MPH	1270 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-28.00	Sec Before Trigger	43%	11.2 MPH	1340 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-27.75	Sec Before Trigger	43%	11.2 MPH	1400 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF

SW1 - Service Brake SW3 - Clutch Pushed SW5 - Engine Brake High SW7 - Key Switch
SW2- Park Brake SW4 - Engine Brake Low SW6 - Cruise Control SW8 - Undefined

TIME	BEFORE/AFTER	Accelerator Pedal Position	Vehicle Speed	Engine Speed	SW1	SW2	SW3	SW4	SW5	SW6	SW7	SW8
-27.50	Sec Before Trigger	36%	11.8 MPH	1450 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-27.25	Sec Before Trigger	36%	11.8 MPH	1420 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-27.00	Sec Before Trigger	36%	11.8 MPH	1460 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-26.75	Sec Before Trigger	36%	12.4 MPH	1470 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-26.50	Sec Before Trigger	36%	12.4 MPH	1390 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-26.25	Sec Before Trigger	35%	11.8 MPH	1260 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-26.00	Sec Before Trigger	36%	12.4 MPH	1180 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-25.75	Sec Before Trigger	34%	12.4 MPH	1140 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-25.50	Sec Before Trigger	32%	12.4 MPH	1170 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-25.25	Sec Before Trigger	21%	12.4 MPH	1190 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-25.00	Sec Before Trigger	20%	12.4 MPH	1140 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-24.75	Sec Before Trigger	24%	12.4 MPH	1190 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-24.50	Sec Before Trigger	25%	13.0 MPH	1220 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-24.25	Sec Before Trigger	25%	12.4 MPH	1180 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-24.00	Sec Before Trigger	29%	12.4 MPH	1180 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-23.75	Sec Before Trigger	29%	13.0 MPH	1210 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-23.50	Sec Before Trigger	28%	13.0 MPH	1200 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-23.25	Sec Before Trigger	28%	13.0 MPH	1220 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-23.00	Sec Before Trigger	27%	13.0 MPH	1230 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-22.75	Sec Before Trigger	27%	13.0 MPH	1230 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-22.50	Sec Before Trigger	27%	13.0 MPH	1240 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-22.25	Sec Before Trigger	27%	13.0 MPH	1250 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-22.00	Sec Before Trigger	25%	13.0 MPH	1260 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-21.75	Sec Before Trigger	26%	13.0 MPH	1260 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-21.50	Sec Before Trigger	25%	13.7 MPH	1270 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-21.25	Sec Before Trigger	25%	13.7 MPH	1270 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-21.00	Sec Before Trigger	23%	13.7 MPH	1250 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-20.75	Sec Before Trigger	23%	13.0 MPH	1130 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-20.50	Sec Before Trigger	23%	13.7 MPH	1080 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-20.25	Sec Before Trigger	20%	13.7 MPH	1050 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-20.00	Sec Before Trigger	20%	13.7 MPH	990 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-19.75	Sec Before Trigger	11%	13.7 MPH	1030 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-19.50	Sec Before Trigger	0%	13.7 MPH	1000 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-19.25	Sec Before Trigger	0%	13.0 MPH	970 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-19.00	Sec Before Trigger	0%	13.7 MPH	1000 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-18.75	Sec Before Trigger	0%	13.7 MPH	1020 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-18.50	Sec Before Trigger	0%	13.7 MPH	1000 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF

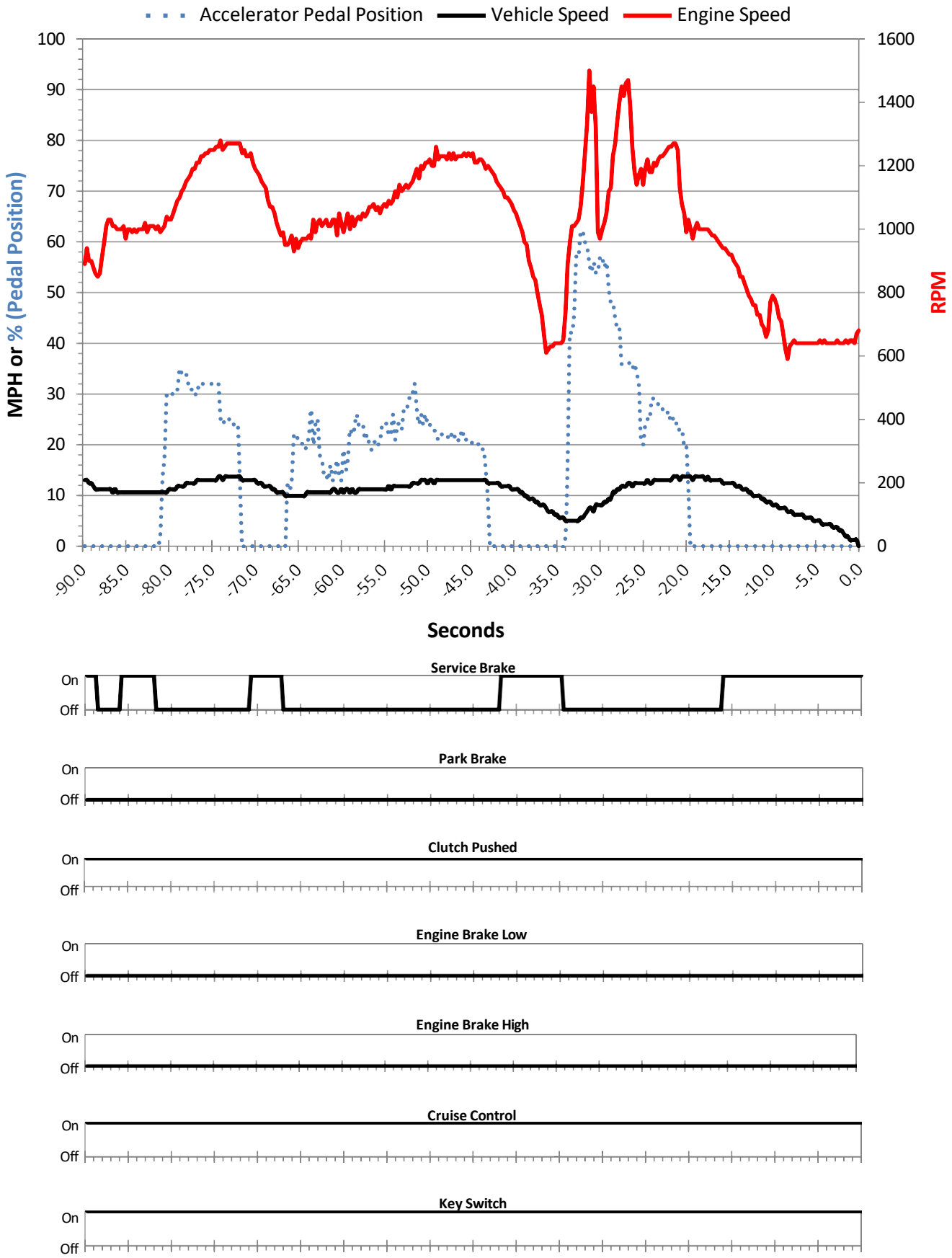
SW1 - Service Brake SW3 - Clutch Pushed SW5 - Engine Brake High SW7 - Key Switch

SW2- Park Brake SW4 - Engine Brake Low SW6 - Cruise Control SW8 - Undefined

TIME	BEFORE/AFTER	Accelerator Pedal Position	Vehicle Speed	Engine Speed	SW1	SW2	SW3	SW4	SW5	SW6	SW7	SW8
-18.25	Sec Before Trigger	0%	13.7 MPH	1000 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-18.00	Sec Before Trigger	0%	13.7 MPH	1000 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-17.75	Sec Before Trigger	0%	13.0 MPH	1000 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-17.50	Sec Before Trigger	0%	13.7 MPH	1000 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-17.25	Sec Before Trigger	0%	13.0 MPH	990 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-17.00	Sec Before Trigger	0%	13.0 MPH	980 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-16.75	Sec Before Trigger	0%	13.0 MPH	980 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-16.50	Sec Before Trigger	0%	13.0 MPH	970 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-16.25	Sec Before Trigger	0%	13.0 MPH	960 RPM	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
-16.00	Sec Before Trigger	0%	13.0 MPH	950 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-15.75	Sec Before Trigger	0%	12.4 MPH	940 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-15.50	Sec Before Trigger	0%	12.4 MPH	940 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-15.25	Sec Before Trigger	0%	12.4 MPH	930 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-15.00	Sec Before Trigger	0%	12.4 MPH	920 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-14.75	Sec Before Trigger	0%	12.4 MPH	920 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-14.50	Sec Before Trigger	0%	12.4 MPH	900 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-14.25	Sec Before Trigger	0%	11.8 MPH	890 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-14.00	Sec Before Trigger	0%	11.8 MPH	880 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-13.75	Sec Before Trigger	0%	11.8 MPH	850 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-13.50	Sec Before Trigger	0%	11.2 MPH	850 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-13.25	Sec Before Trigger	0%	11.2 MPH	830 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-13.00	Sec Before Trigger	0%	11.2 MPH	810 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-12.75	Sec Before Trigger	0%	10.6 MPH	790 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-12.50	Sec Before Trigger	0%	10.6 MPH	780 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-12.25	Sec Before Trigger	0%	9.9 MPH	760 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-12.00	Sec Before Trigger	0%	9.9 MPH	760 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-11.75	Sec Before Trigger	0%	9.9 MPH	730 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-11.50	Sec Before Trigger	0%	9.9 MPH	730 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-11.25	Sec Before Trigger	0%	9.3 MPH	700 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-11.00	Sec Before Trigger	0%	9.3 MPH	690 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-10.75	Sec Before Trigger	0%	8.7 MPH	660 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-10.50	Sec Before Trigger	0%	8.7 MPH	680 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-10.25	Sec Before Trigger	0%	8.7 MPH	770 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-10.00	Sec Before Trigger	0%	8.1 MPH	790 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-9.75	Sec Before Trigger	0%	8.1 MPH	780 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-9.50	Sec Before Trigger	0%	8.1 MPH	760 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-9.25	Sec Before Trigger	0%	7.5 MPH	720 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF

SW1 - Service Brake SW3 - Clutch Pushed SW5 - Engine Brake High SW7 - Key Switch
SW2- Park Brake SW4 - Engine Brake Low SW6 - Cruise Control SW8 - Undefined

TIME	BEFORE/AFTER	Accelerator Pedal Position	Vehicle Speed	Engine Speed	SW1	SW2	SW3	SW4	SW5	SW6	SW7	SW8
-9.00	Sec Before Trigger	0%	7.5 MPH	710 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-8.75	Sec Before Trigger	0%	7.5 MPH	670 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-8.50	Sec Before Trigger	0%	7.5 MPH	620 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-8.25	Sec Before Trigger	0%	6.8 MPH	590 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-8.00	Sec Before Trigger	0%	6.8 MPH	630 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-7.75	Sec Before Trigger	0%	6.8 MPH	640 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-7.50	Sec Before Trigger	0%	6.2 MPH	650 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-7.25	Sec Before Trigger	0%	6.2 MPH	640 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-7.00	Sec Before Trigger	0%	6.2 MPH	640 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-6.75	Sec Before Trigger	0%	6.2 MPH	640 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-6.50	Sec Before Trigger	0%	6.2 MPH	640 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-6.25	Sec Before Trigger	0%	5.6 MPH	640 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-6.00	Sec Before Trigger	0%	5.6 MPH	640 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-5.75	Sec Before Trigger	0%	5.6 MPH	640 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-5.50	Sec Before Trigger	0%	5.6 MPH	640 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-5.25	Sec Before Trigger	0%	5.0 MPH	640 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-5.00	Sec Before Trigger	0%	5.0 MPH	640 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-4.75	Sec Before Trigger	0%	5.0 MPH	640 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-4.50	Sec Before Trigger	0%	5.0 MPH	650 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-4.25	Sec Before Trigger	0%	4.3 MPH	640 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-4.00	Sec Before Trigger	0%	4.3 MPH	650 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-3.75	Sec Before Trigger	0%	4.3 MPH	640 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-3.50	Sec Before Trigger	0%	4.3 MPH	640 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-3.25	Sec Before Trigger	0%	4.3 MPH	640 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-3.00	Sec Before Trigger	0%	3.7 MPH	640 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-2.75	Sec Before Trigger	0%	3.7 MPH	640 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-2.50	Sec Before Trigger	0%	3.7 MPH	650 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-2.25	Sec Before Trigger	0%	3.1 MPH	640 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-2.00	Sec Before Trigger	0%	3.1 MPH	640 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-1.75	Sec Before Trigger	0%	2.5 MPH	640 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-1.50	Sec Before Trigger	0%	1.9 MPH	650 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-1.25	Sec Before Trigger	0%	1.9 MPH	640 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-1.00	Sec Before Trigger	0%	1.2 MPH	650 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-0.75	Sec Before Trigger	0%	1.2 MPH	650 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-0.50	Sec Before Trigger	0%	1.2 MPH	640 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
-0.25	Sec Before Trigger	0%	1.2 MPH	670 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF
0.00	Trigger Occured	0%	0.0 MPH	680 RPM	ON	OFF	ON	OFF	OFF	ON	ON	OFF

SW1 - Service Brake SW3 - Clutch Pushed SW5 - Engine Brake High SW7 - Key Switch
SW2- Park Brake SW4 - Engine Brake Low SW6 - Cruise Control SW8 - Undefined

3.1.4. Logged Incident Chart No. 2 –Last Stop Data