



**VEHICLE FACTORS GROUP CHAIRMAN'S**  
**Vehicle Attachment – FedEx Freightliner DDEC Data**  
**Mount Pleasant, Pennsylvania**  
**HWY20MH002**  
(54 pages)

# DDEC® Reports - Trip Activity

File Name: 011620CARSAB.XTR

Print Date: 1/16/2020 11:05 AM

Trip: 07/28/19 08:12:01 To 01/16/20 (EST)

Vehicle ID: KB7773

Driver ID:

Odometer: 461175.7 mi

Engine S/N: 472910S0537541

Trip Distance	461175.7 mi	Trip Time	9360:56:46
Trip Fuel	64247.90 gal	Fuel Consumption	6.86 gal/h
Fuel Economy	7.18 mpg	Idle Time	1473:31:08
Avg Drive Load	53 %	Idle Percent	15.74 %
Avg Vehicle Speed	58.5 mph	Idle Fuel	1039.40 gal
		Parked Regen Time	-

**Driving**

Time	7887:25:38
Percent	84.26 %
Fuel	63208.50 gal
Economy	7.30 mpg

**Vehicle Speed Limiting**

Time	3042:28:14
Percent	38.57 %
Distance	197770.9 mi
Fuel	25151.50 gal

**Top Gear**

Time	6640:17:31
Percent	83.14 %
Distance	419987.2 mi
Fuel	57265.38 gal

**Top Gear - 1**

Time	297:10:34
Percent	3.72 %
Distance	14733.4 mi
Fuel	2884.88 gal

**Cruise**

Time	3342:57:05
Percent	42.38 %
Distance	213637.8 mi
Fuel	28489.00 gal

**Top Gear Cruise**

Time	3126:38:06
Percent	39.64 %
Distance	200222.3 mi
Fuel	27806.00 gal

**Speeding A(>=66 and <71 mph)**

Count	46597
Time	255:22:48
Percent	3.24 %

**Speeding B(>=71 mph)**

Count	4116
Time	21:13:12
Percent	0.27 %

**Highest Speed**

88.0 mph

Occurred 01/02/19 23:11:59 (EST)

**Coasting Time**

3:30:45

**Coasting Percent**

0.04 %

**Stop Idle**

Time	1205:53:53
Percent	12.88 %
Fuel	838.75 gal

**Over Rev Limit**

Count	979
Time	2:42:03
Percent	0.03 %

**Highest RPM**

2434 rpm

Occurred 12/28/19 16:12:47 (EST)

**Diag. Records**

65535

**Hard Brake Count**

80

**Firm Brake Count**

2178

**Brake Count**

83695

**Eng. Brake Time**

146:01:11

**Fan On Time**

Total Time 800:26:47

Engine System 50:24:07

Manual 0:00:00

A/C 750:02:40

DPF Fan Time 0:00:00

**Engine Utilization**

226.67 %

**Vehicle Utilization**

190.99 %

**DPF Regeneration**

Parked Completed 8

Parked Regen Fuel 18.15 gal

Driving Completed 96

Driving Regen Fuel -

**Diesel Exhaust Fluid (DEF)**

Trip Fluid 2305.55 gal

Trip Percent 3.59 %

Trip Economy 200.03 mpg

Driving Fluid 2288.83 gal

Driving Economy 201.49 mpg

**Optimized Idle Time**

Active 0:00:00

Run 0:00:00

Battery 0:00:00

Engine Temp. 0:00:00

Thermostat 0:00:00

Extended Idle 0:00:00

Continuous 0:00:00

**Optimized Idle Battery Charging Starts**

Normal Count 0

Alternate Count 0

Continuous Run 0

# DDEC® Reports - Trip Activity

File Name: 011620CARSAB.XTR

Print Date: 1/16/2020 11:05 AM

Trip: 07/28/19 08:12:01 To 01/16/20 (EST)

Vehicle ID: KB7773

Driver ID:

Odometer: 461175.7 mi

Engine S/N: 472910S0537541

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Trip Distance	461175.7 mi	Trip Time	9360:56:46
Trip Fuel	64247.90 gal	Fuel Consumption	6.86 gal/h
Fuel Economy	7.18 mpg	Idle Time	1473:31:08
Avg Drive Load	53 %	Idle Percent	15.74 %
Avg Vehicle Speed	58.5 mph	Idle Fuel	1039.40 gal
		Parked Regen Time	-

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## Intelligent Powertrain Management (IPM)

Time 1325:47:47  
Percent 16.81 %

## VSG (PTO)

Total Time 0:00:00  
Percent 0.00 %  
Total Fuel 0.00 gal  
Working Time 0:00:00  
Working Fuel 0.00 gal

# DDEC® Reports - Monthly Activity

Print Date: 1/16/2020 11:05 AM

Pennsylvania State Police - CARS Unit

Partial Month: January, 2020 (EST)  
 Vehicle ID: KB7773  
 Driver ID:  
 Odometer: 461175.7 mi  
 Engine S/N: 472910S0537541

Trip Distance	3251.6 mi	Trip Time	65:43:37
Trip Fuel	414.13 gal	Fuel Consumption	6.30 gal/h
Fuel Economy	7.85 mpg	Idle Time	10:04:05
Avg Drive Load	41 %	Idle Percent	15.32 %
Avg Vehicle Speed	58.4 mph	Idle Fuel	6.25 gal
		Parked Regen Time	-

**Driving**  
 Time 55:39:32  
 Percent 84.68 %  
 Fuel 407.88 gal  
 Economy 7.97 mpg

**Stop Idle**  
 Time 8:32:45  
 Percent 13.00 %  
 Fuel 5.25 gal

**Vehicle Speed Limiting**  
 Time 28:40:51  
 Percent 51.53 %  
 Distance 1868.5 mi  
 Fuel 214.50 gal

**Over Rev Limit 1800 rpm**  
 Count 3  
 Time 0:00:50  
 Percent 0.02 %  
**Highest RPM 2206 rpm**  
 Occurred 01/04/20 23:26:50 (EST)

**Top Gear**  
 Time 44:30:45  
 Percent 78.90 %  
 Distance 2800.5 mi  
 Fuel 370.25 gal

**Diag. Records 1**  
**Hard Brake Count 2**  
**Firm Brake Count 12**  
**Brake Count 612**  
**Eng. Brake Time 0:50:21**

**Top Gear - 1**  
 Time 2:38:03  
 Percent 4.67 %  
 Distance 126.2 mi  
 Fuel 18.50 gal

**Fan On Time**  
 Total Time 0:01:35  
 Engine System 0:01:35  
 Manual 0:00:00  
 A/C 0:00:00  
 DPF Fan Time 0:00:00

**Cruise**  
 Time 17:57:28  
 Percent 32.26 %  
 Distance 1126.2 mi  
 Fuel 139.88 gal

**Engine Utilization 9.13 %**  
**Vehicle Utilization 7.73 %**

**Top Gear Cruise**  
 Time 14:40:39  
 Percent 26.37 %  
 Distance 921.7 mi  
 Fuel 133.63 gal

**DPF Regeneration**  
 Parked Completed 0  
 Parked Regen Fuel 0.00 gal  
 Driving Completed 2  
 Driving Regen Fuel -

**Speeding A(>=66 and <71 mph)**  
 Count 366  
 Time 2:06:12  
 Percent 3.78 %

**Diesel Exhaust Fluid (DEF)**  
 Trip Fluid 14.11 gal  
 Trip Percent 3.41 %  
 Trip Economy 230.38 mpg  
 Driving Fluid 14.04 gal  
 Driving Economy 231.56 mpg

**Speeding B(>=71 mph)**  
 Count 32  
 Time 0:10:59  
 Percent 0.33 %

**Optimized Idle Time**  
 Active 0:00:00  
 Run 0:00:00  
 Battery 0:00:00  
 Engine Temp. 0:00:00  
 Thermostat 0:00:00  
 Extended Idle 0:00:00  
 Continuous 0:00:00

**Highest Speed 77.5 mph**  
 Occurred 01/03/20 10:24:32 (EST)

**Coasting Time 0:00:00**

**Coasting Percent 0.00 %**

**Optimized Idle Battery Charging Starts**  
 Normal Count 0  
 Alternate Count 0  
 Continuous Run 0

# DDEC® Reports - Monthly Activity

Print Date: 1/16/2020 11:05 AM

Pennsylvania State Police - CARS Unit

Partial Month: January, 2020 (EST)  
Vehicle ID: KB7773  
Driver ID:  
Odometer: 461175.7 mi  
Engine S/N: 472910S0537541

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Trip Distance	3251.6 mi	Trip Time	65:43:37
Trip Fuel	414.13 gal	Fuel Consumption	6.30 gal/h
Fuel Economy	7.85 mpg	Idle Time	10:04:05
Avg Drive Load	41 %	Idle Percent	15.32 %
Avg Vehicle Speed	58.4 mph	Idle Fuel	6.25 gal
		Parked Regen Time	-

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## Intelligent Powertrain Management (IPM)

Time 0:31:02  
Percent 0.93 %

## VSG (PTO)

Total Time 0:00:00  
Percent 0.00 %  
Total Fuel 0.00 gal  
Working Time 0:00:00  
Working Fuel 0.00 gal

# DDEC® Reports - Monthly Activity

Print Date: 1/16/2020 11:05 AM

Pennsylvania State Police - CARS Unit

Month: December, 2019 (EST)  
 Vehicle ID: KB7773  
 Driver ID:  
 Odometer: 461175.7 mi  
 Engine S/N: 472910S0537541

Trip Distance	6380.7 mi	Trip Time	148:06:14
Trip Fuel	860.88 gal	Fuel Consumption	5.81 gal/h
Fuel Economy	7.41 mpg	Idle Time	29:34:43
Avg Drive Load	41 %	Idle Percent	19.97 %
Avg Vehicle Speed	53.8 mph	Idle Fuel	19.63 gal
		Parked Regen Time	-

**Driving**  
 Time 118:31:31  
 Percent 80.03 %  
 Fuel 841.25 gal  
 Economy 7.58 mpg

**Stop Idle**  
 Time 24:07:09  
 Percent 16.29 %  
 Fuel 16.00 gal

**Vehicle Speed Limiting**  
 Time 41:25:51  
 Percent 34.96 %  
 Distance 2694.7 mi  
 Fuel 335.50 gal

**Over Rev Limit 1800 rpm**  
 Count 24  
 Time 0:04:25  
 Percent 0.05 %  
**Highest RPM 2434 rpm**  
 Occurred 12/28/19 16:12:47 (EST)

**Top Gear**  
 Time 87:15:21  
 Percent 72.41 %  
 Distance 5383.0 mi  
 Fuel 712.25 gal

**Diag. Records 0**  
**Hard Brake Count 2**  
**Firm Brake Count 45**  
**Brake Count 1614**  
**Eng. Brake Time 2:17:17**

**Top Gear - 1**  
 Time 8:37:48  
 Percent 7.16 %  
 Distance 384.2 mi  
 Fuel 51.88 gal

**Fan On Time**  
 Total Time 0:40:57  
 Engine System 0:12:07  
 Manual 0:00:00  
 A/C 0:28:50  
 DPF Fan Time 0:00:00

**Cruise**  
 Time 41:29:38  
 Percent 35.01 %  
 Distance 2618.1 mi  
 Fuel 342.00 gal

**Engine Utilization 20.57 %**  
**Vehicle Utilization 16.46 %**

**Top Gear Cruise**  
 Time 37:56:18  
 Percent 32.01 %  
 Distance 2398.9 mi  
 Fuel 333.75 gal

**DPF Regeneration**  
 Parked Completed 0  
 Parked Regen Fuel 0.00 gal  
 Driving Completed 3  
 Driving Regen Fuel -

**Speeding A(>=66 and <71 mph)**  
 Count 259  
 Time 1:33:52  
 Percent 1.32 %

**Diesel Exhaust Fluid (DEF)**  
 Trip Fluid 31.46 gal  
 Trip Percent 3.65 %  
 Trip Economy 202.83 mpg  
 Driving Fluid 31.20 gal  
 Driving Economy 204.48 mpg

**Speeding B(>=71 mph)**  
 Count 35  
 Time 0:09:31  
 Percent 0.13 %

**Optimized Idle Time**  
 Active 0:00:00  
 Run 0:00:00  
 Battery 0:00:00  
 Engine Temp. 0:00:00  
 Thermostat 0:00:00  
 Extended Idle 0:00:00  
 Continuous 0:00:00

**Highest Speed 83.0 mph**  
 Occurred 12/29/19 20:15:12 (EST)

**Coasting Time 0:00:00**  
**Coasting Percent 0.00 %**

**Optimized Idle Battery Charging Starts**  
 Normal Count 0  
 Alternate Count 0  
 Continuous Run 0

# DDEC® Reports - Monthly Activity

Print Date: 1/16/2020 11:05 AM

Pennsylvania State Police - CARS Unit

Month: December, 2019 (EST)  
Vehicle ID: KB7773  
Driver ID:  
Odometer: 461175.7 mi  
Engine S/N: 472910S0537541

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Trip Distance	6380.7 mi	Trip Time	148:06:14
Trip Fuel	860.88 gal	Fuel Consumption	5.81 gal/h
Fuel Economy	7.41 mpg	Idle Time	29:34:43
Avg Drive Load	41 %	Idle Percent	19.97 %
Avg Vehicle Speed	53.8 mph	Idle Fuel	19.63 gal
		Parked Regen Time	-

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## Intelligent Powertrain Management (IPM)

Time 2:52:35  
Percent 2.43 %

## VSG (PTO)

Total Time 0:00:00  
Percent 0.00 %  
Total Fuel 0.00 gal  
Working Time 0:00:00  
Working Fuel 0.00 gal

# DDEC® Reports - Monthly Activity

Print Date: 1/16/2020 11:05 AM

Pennsylvania State Police - CARS Unit

Month: December, 2019 (EST)  
 Vehicle ID: KB7773  
 Driver ID:  
 Odometer: 461175.7 mi  
 Engine S/N: 472910S0537541

Trip Distance	0.0 mi	Trip Time	0:00:00
Trip Fuel	0.00 gal	Fuel Consumption	0.00 gal/h
Fuel Economy	0.00 mpg	Idle Time	0:00:00
Avg Drive Load	0 %	Idle Percent	0.00 %
Avg Vehicle Speed	0.0 mph	Idle Fuel	0.00 gal
		Parked Regen Time	-

**Driving**

Time	0:00:00
Percent	0.00 %
Fuel	0.00 gal
Economy	0.00 mpg

**Stop Idle**

Time	0:00:00
Percent	0.00 %
Fuel	0.00 gal

**Vehicle Speed Limiting**

Time	0:00:00
Percent	0.00 %
Distance	0.0 mi
Fuel	0.00 gal

**Over Rev Limit 1800 rpm**

Count	0
Time	0:00:00
Percent	0.00 %

**Top Gear**

Time	0:00:00
Percent	0.00 %
Distance	0.0 mi
Fuel	0.00 gal

**Highest RPM 0 rpm**

Occurred	-
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**Top Gear - 1**

Time	0:00:00
Percent	0.00 %
Distance	0.0 mi
Fuel	0.00 gal

**Diag. Records 0**

<b>Hard Brake Count</b>	<b>0</b>
<b>Firm Brake Count</b>	<b>0</b>
<b>Brake Count</b>	<b>0</b>
<b>Eng. Brake Time</b>	<b>0:00:00</b>
<b>Fan On Time</b>	
Total Time	0:00:00
Engine System	0:00:00
Manual	0:00:00
A/C	0:00:00
DPF Fan Time	0:00:00

**Cruise**

Time	0:00:00
Percent	0.00 %
Distance	0.0 mi
Fuel	0.00 gal

**Engine Utilization 0.00 %**

**Vehicle Utilization 0.00 %**

**Top Gear Cruise**

Time	0:00:00
Percent	0.00 %
Distance	0.0 mi
Fuel	0.00 gal

**DPF Regeneration**

Parked Completed	0
Parked Regen Fuel	0.00 gal
Driving Completed	0
Driving Regen Fuel	-

**Speeding A(>=66 and <71 mph)**

Count	0
Time	0:00:00
Percent	0.00 %

**Diesel Exhaust Fluid (DEF)**

Trip Fluid	0.00 gal
Trip Percent	0.00 %
Trip Economy	0.00 mpg
Driving Fluid	0.00 gal
Driving Economy	0.00 mpg

**Speeding B(>=71 mph)**

Count	0
Time	0:00:00
Percent	0.00 %

**Optimized Idle Time**

Active	0:00:00
Run	0:00:00
Battery	0:00:00
Engine Temp.	0:00:00
Thermostat	0:00:00
Extended Idle	0:00:00
Continuous	0:00:00

**Highest Speed 0.0 mph**

Occurred	-
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**Coasting Time 0:00:00**

**Coasting Percent 0.00 %**

**Optimized Idle Battery Charging Starts**

Normal Count	0
Alternate Count	0
Continuous Run	0



# DDEC® Reports - Monthly Activity

Print Date: 1/16/2020 11:05 AM

Pennsylvania State Police - CARS Unit

Month: December, 2019 (EST)  
Vehicle ID: KB7773  
Driver ID:  
Odometer: 461175.7 mi  
Engine S/N: 472910S0537541

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Trip Distance	0.0 mi	Trip Time	0:00:00
Trip Fuel	0.00 gal	Fuel Consumption	0.00 gal/h
Fuel Economy	0.00 mpg	Idle Time	0:00:00
Avg Drive Load	0 %	Idle Percent	0.00 %
Avg Vehicle Speed	0.0 mph	Idle Fuel	0.00 gal
		Parked Regen Time	-

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## VSG (PTO)

Total Time	0:00:00
Percent	0.00 %
Total Fuel	0.00 gal
Working Time	0:00:00
Working Fuel	0.00 gal

# DDEC® Reports - Configuration

File Name: 011620CARSAB.XTR  
 Print Date: 1/16/2020 11:05 AM

Trip: 07/28/19 08:12:01 To 01/16/20 (EST)  
 Vehicle ID: KB7773  
 Driver ID:  
 Odometer: 461175.7 mi  
 Engine S/N: 472910S0537541

Trip Distance	461175.7 mi	Trip Time	9360:56:46
Trip Fuel	64247.90 gal	Fuel Consumption	6.86 gal/h
Fuel Economy	7.18 mpg	Idle Time	1473:31:08
Avg Drive Load	53 %	Idle Percent	15.74 %
Avg Vehicle Speed	58.5 mph	Idle Fuel	1039.40 gal
		Parked Regen Time	-

Hard Brake Limit 7.0 mph/s  
 Stop Idle Limit 5 min  
 Top Gear Limit 21 rpm/mph  
 Top Gear-1 Limit 28 rpm/mph

Learned On: 01/01/2020 (EST)

ECM S/W 31.23.00  
 ECM Type CPC3Evo  
 Config. Change 01/16/2020 (EST)

Idle Method VSS  
 Idle-Load Limit -  
 Idle-RPM Limit -  
 Working PTO RPM Limit 900 rpm  
 Working PTO Load Limit 30 %  
 Firm Brake Limit 4 mph/s  
 Reset Lockout No  
 Fleet Time Zone -5.0 h

Maintenance Visual Reminder:  
 Enable No  
 Percent -

Vehicle Speed Bands (mph)	10	20	30	40	50	55	60	66	71
Engine Speed Bands (rpm)	700	1000	1200	1300	1400	1500	1600	1700	1800
Percent Load Bands (%)	10	20	30	40	50	60	70	80	90

Trip Reset Status 4 Extracted but did not reset!

# DDEC® Reports - Life-To-Date

File Name: 011620CARSAB.XTR  
 Print Date: 1/16/2020 11:05 AM

Trip: 07/28/19 08:12:01 To 01/16/20 (EST)  
 Vehicle ID: KB7773  
 Driver ID:  
 Odometer: 461175.7 mi  
 Engine S/N: 472910S0537541

Trip Distance	461175.7 mi	Trip Time	9360:56:46
Trip Fuel	64247.90 gal	Fuel Consumption	6.86 gal/h
Fuel Economy	7.18 mpg	Idle Time	1473:31:08
Avg Drive Load	53 %	Idle Percent	15.74 %
Avg Vehicle Speed	58.5 mph	Idle Fuel	1039.40 gal
		Parked Regen Time	-

Total Distance	461175.7 mi	Avg. Drive Load	53 %
Total Time	9360:56:46	<b>Optimized Idle Time</b>	
Total Fuel	64053.58 gal	Active Time	0:00:00
Overall Fuel Economy	7.20 mpg	Run Time	0:00:00
Avg Vehicle Speed	49.27 mph	<b>Optimized Idle Battery Charging Starts</b>	
Idle Time	1473:31:08	Normal Count	0
Idle Percent	15.74 %	Alternate Count	0
Idle Fuel	1039.15 gal	Continuous Run	0

Total MCM Time	9361:18:26	<b>Fan On Time</b>	
VSG(PTO) Total Time	0:00:00	Total Time	800:26:47
VSG(PTO) Percent	0.00 %	Engine System	50:24:07
VSG(PTO) Total Fuel	0.00 gal	Manual	0:00:00
VSG(PTO) Working Time	0:00:00	A/C	750:02:40
VSG(PTO) Working Fuel	0.00 gal	DPF Fan Time	0:00:00

Cruise Percent	42.38 %	<b>Peak Road Speed</b>	<b>88.0 mph</b>
Cruise Time	3342:57:05	Occurred	01/02/19 23:12 (EST)

Eng. Brake Time	146:01:11	<b>Peak Engine RPM</b>	<b>2433 rpm</b>
Revolutions/mi	1496	Occurred	12/28/19 16:12 (EST)
Average RPM	1228		

<b>DPF Regeneration</b>		Parked Regen Fuel	18.15 gal
Parked Completed	8	Driving Regen Fuel	172.42 gal
Occurred	11/07/19 16:33 (EST)	Parked Regen Time	1:45:58
Driving Completed	96		
Occurred	01/04/20 04:02 (EST)		

<b>Intelligent Powertrain Management (IPM)</b>		<b>Diesel Exhaust Fluid (DEF)</b>	
Time	-	Total Fluid	2305.13 gal
Percent	-	Total Percent	3.60 %
		Total Economy	200.07 mpg
		Driving Fluid	2288.63 gal
		Driving Economy	201.51 mpg

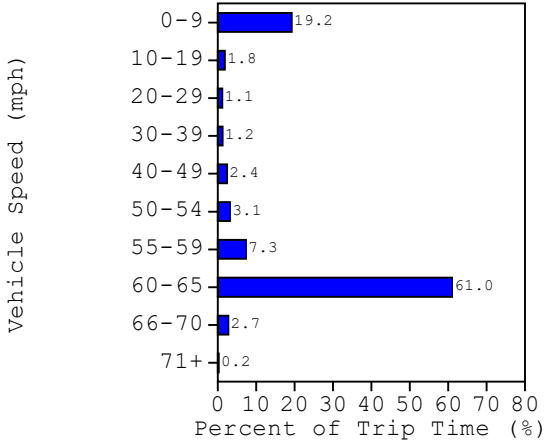
# DDEC® Reports - Vehicle Speed/RPM

File Name: 011620CARSAB.XTR  
 Print Date: 1/16/2020 11:05 AM

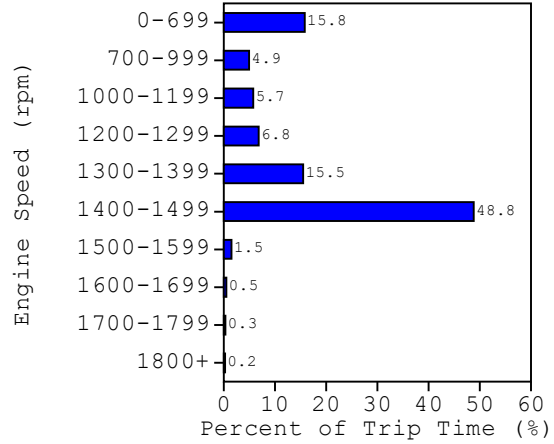
Trip: 07/28/19 08:12:01 To 01/16/20 (EST)  
 Vehicle ID: KB7773  
 Driver ID:  
 Odometer: 461175.7 mi  
 Engine S/N: 472910S0537541

Trip Distance	461175.7 mi	Trip Time	9360:56:46
Trip Fuel	64247.90 gal	Fuel Consumption	6.86 gal/h
Fuel Economy	7.18 mpg	Idle Time	1473:31:08
Avg Drive Load	53 %	Idle Percent	15.74 %
Avg Vehicle Speed	58.5 mph	Idle Fuel	1039.40 gal
		Parked Regen Time	-

**Vehicle Speed Histogram**



**Engine Speed Histogram**



**Percent of Trip Time in Speed and RPM Table**

Vehicle Speed (mph)

Engine RPM	0- 9	10-19	20-29	30-39	40-49	50-54	55-59	60-65	66-70	71+	Total
0- 699	13.6					0.1	0.3	1.4	0.4		15.8
700- 999	3.9	0.4	0.2	0.1	0.1			0.1			4.9
1000-1199	1.0	0.8	0.5	0.6	0.8	1.9		0.1			5.7
1200-1299	0.4	0.2	0.2	0.2	0.4	0.3	5.0				6.8
1300-1399	0.2	0.2	0.1	0.2	0.5		1.6	12.8			15.5
1400-1499		0.1		0.1	0.3	0.5		46.3	1.5		48.8
1500-1599				0.1	0.1	0.3	0.2		0.7	0.1	1.5
1600-1699					0.1		0.3			0.1	0.5
1700-1799								0.2			0.3
1800+								0.1	0.1		0.2
<b>Total</b>	<b>19.2</b>	<b>1.8</b>	<b>1.1</b>	<b>1.2</b>	<b>2.4</b>	<b>3.1</b>	<b>7.3</b>	<b>61.0</b>	<b>2.7</b>	<b>0.2</b>	
<b>Brakes</b>	13682	9852	7541	6050	6403	5579	9698	16831	6898	1161	83695
<b>Hard Brakes</b>			17	23	21	6	4	9			80
<b>Firm Brakes</b>		100	843	514	341	122	126	117	9	6	2178

Note: This table contains values <0.005 percent of trip time

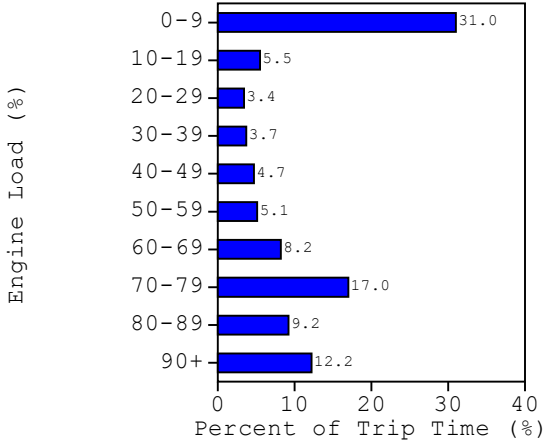
# DDEC® Reports - Engine Load/RPM

File Name: 011620CARSAB.XTR  
 Print Date: 1/16/2020 11:06 AM

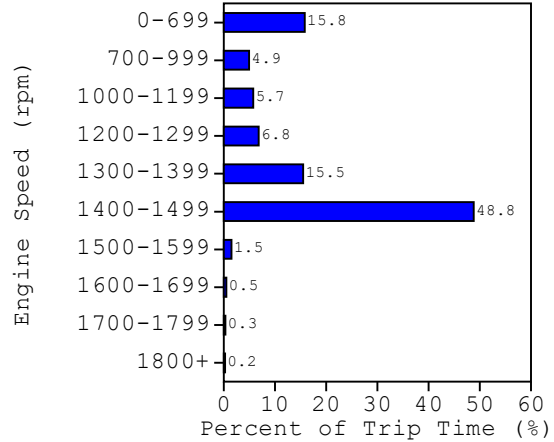
Trip: 07/28/19 08:12:01 To 01/16/20 (EST)  
 Vehicle ID: KB7773  
 Driver ID:  
 Odometer: 461175.7 mi  
 Engine S/N: 472910S0537541

Trip Distance	461175.7 mi	Trip Time	9360:56:46
Trip Fuel	64247.90 gal	Fuel Consumption	6.86 gal/h
Fuel Economy	7.18 mpg	Idle Time	1473:31:08
Avg Drive Load	53 %	Idle Percent	15.74 %
Avg Vehicle Speed	58.5 mph	Idle Fuel	1039.40 gal
		Parked Regen Time	-

**Engine Load Histogram**



**Engine Speed Histogram**



**Percent of Trip Time in Load and RPM Table**

Engine Load (%)

Engine RPM	0- 9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	Total
0- 699	12.4	2.8	0.3	0.1							15.8
700- 999	4.3	0.2	0.1	0.1						0.1	4.9
1000-1199	2.2	0.4	0.3	0.3	0.3	0.2	0.3	0.4	0.3	0.9	5.7
1200-1299	1.4	0.3	0.3	0.3	0.3	0.3	0.5	0.8	0.7	2.0	6.8
1300-1399	2.8	0.4	0.5	0.6	0.7	0.8	1.2	2.3	1.9	4.4	15.5
1400-1499	6.2	1.4	1.8	2.4	3.2	3.6	6.1	13.5	6.2	4.2	48.8
1500-1599	1.0									0.3	1.5
1600-1699	0.3									0.2	0.5
1700-1799	0.2									0.1	0.3
1800+	0.2										0.2
<b>Total</b>	31.0	5.5	3.4	3.7	4.7	5.1	8.2	17.0	9.2	12.2	

Note: This table contains values <0.005 percent of trip time

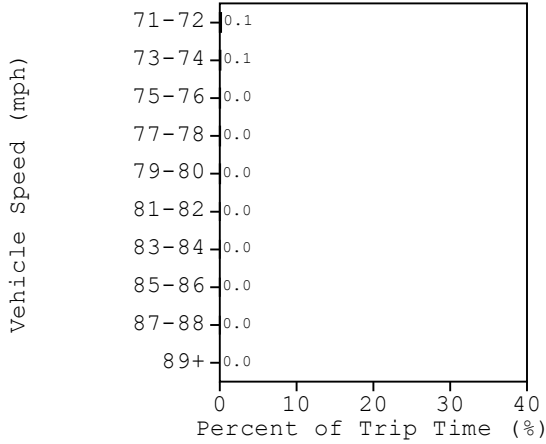
# DDEC® Reports - Over Speed/Over Rev

File Name: 011620CARSAB.XTR  
 Print Date: 1/16/2020 11:06 AM

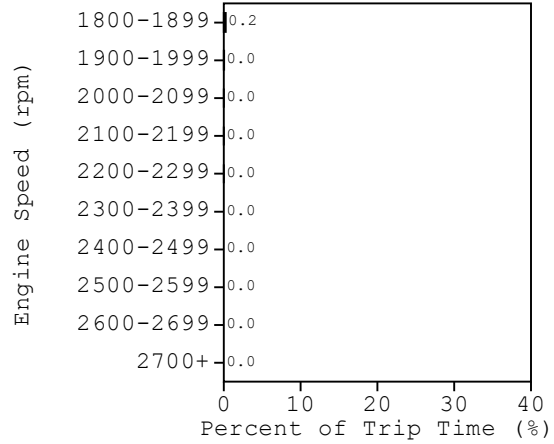
Trip: 07/28/19 08:12:01 To 01/16/20 (EST)  
 Vehicle ID: KB7773  
 Driver ID:  
 Odometer: 461175.7 mi  
 Engine S/N: 472910S0537541

Trip Distance	461175.7 mi	Trip Time	9360:56:46
Trip Fuel	64247.90 gal	Fuel Consumption	6.86 gal/h
Fuel Economy	7.18 mpg	Idle Time	1473:31:08
Avg Drive Load	53 %	Idle Percent	15.74 %
Avg Vehicle Speed	58.5 mph	Idle Fuel	1039.40 gal
		Parked Regen Time	-

**Over Speed Histogram**



**Over Rev Histogram**



**Percent of Trip Time in Over Speed and Over Rev Bands**

Vehicle Speed Table Does Not Exist For 011620CARSAB.XTR  
 (Table Data Does Not Exist)

Engine Speed (rpm)

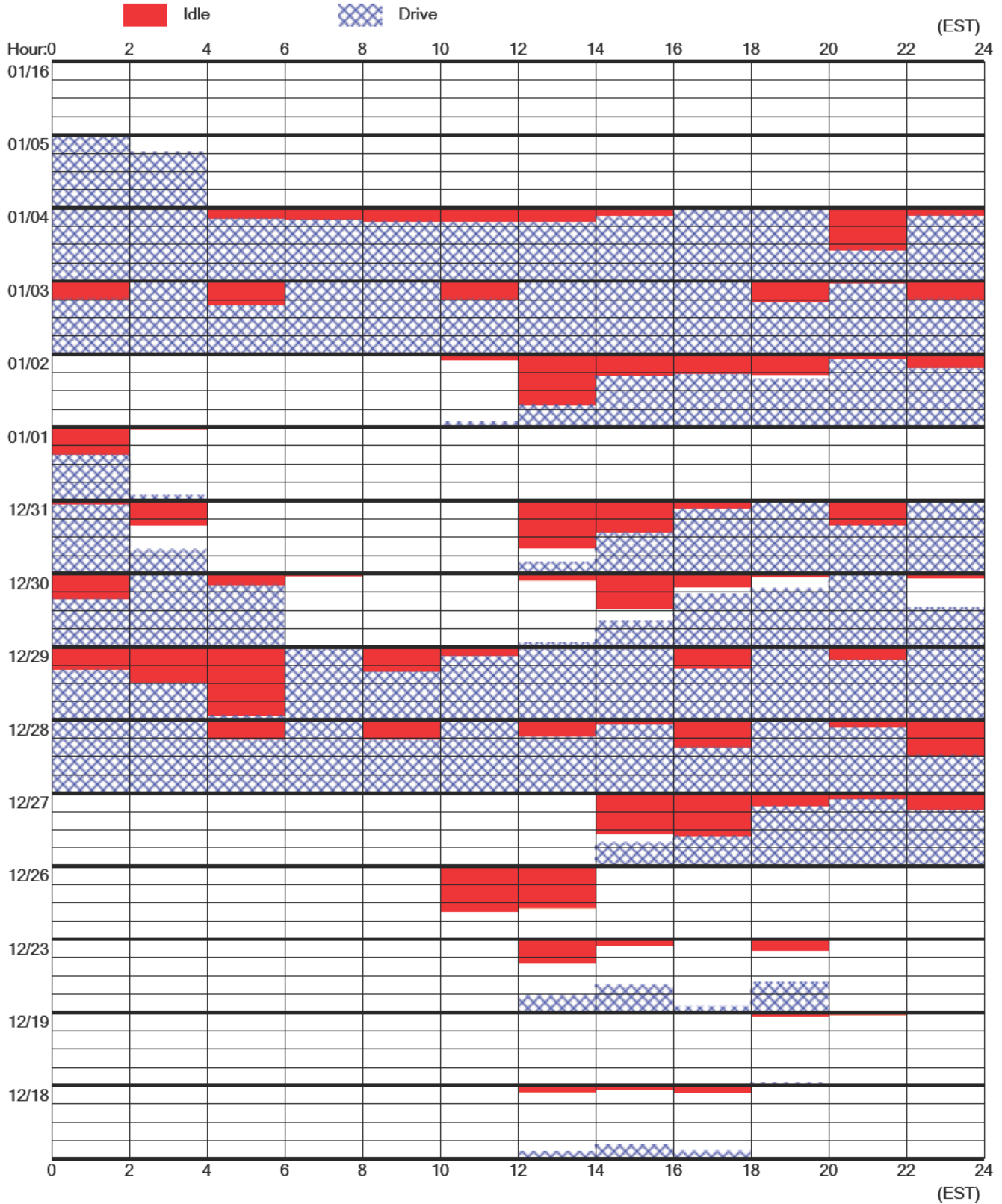
1800-1899	1900-1999	2000-2099	2100-2199	2200-2299	2300-2399	2400-2499	2500-2599	2600-2699	2700+
0.22	0.01	<0.005	<0.005	<0.005					

# DDEC® Reports - Daily Engine Usage

Print Date: 1/16/2020 11:06 AM  
 Pennsylvania State Police - CARS Unit

Date Range: 01/16/20 To 11/16/19 (EST)

Vehicle ID: KB7773  
 Driver ID:  
 Engine S/N: 472910S0537541

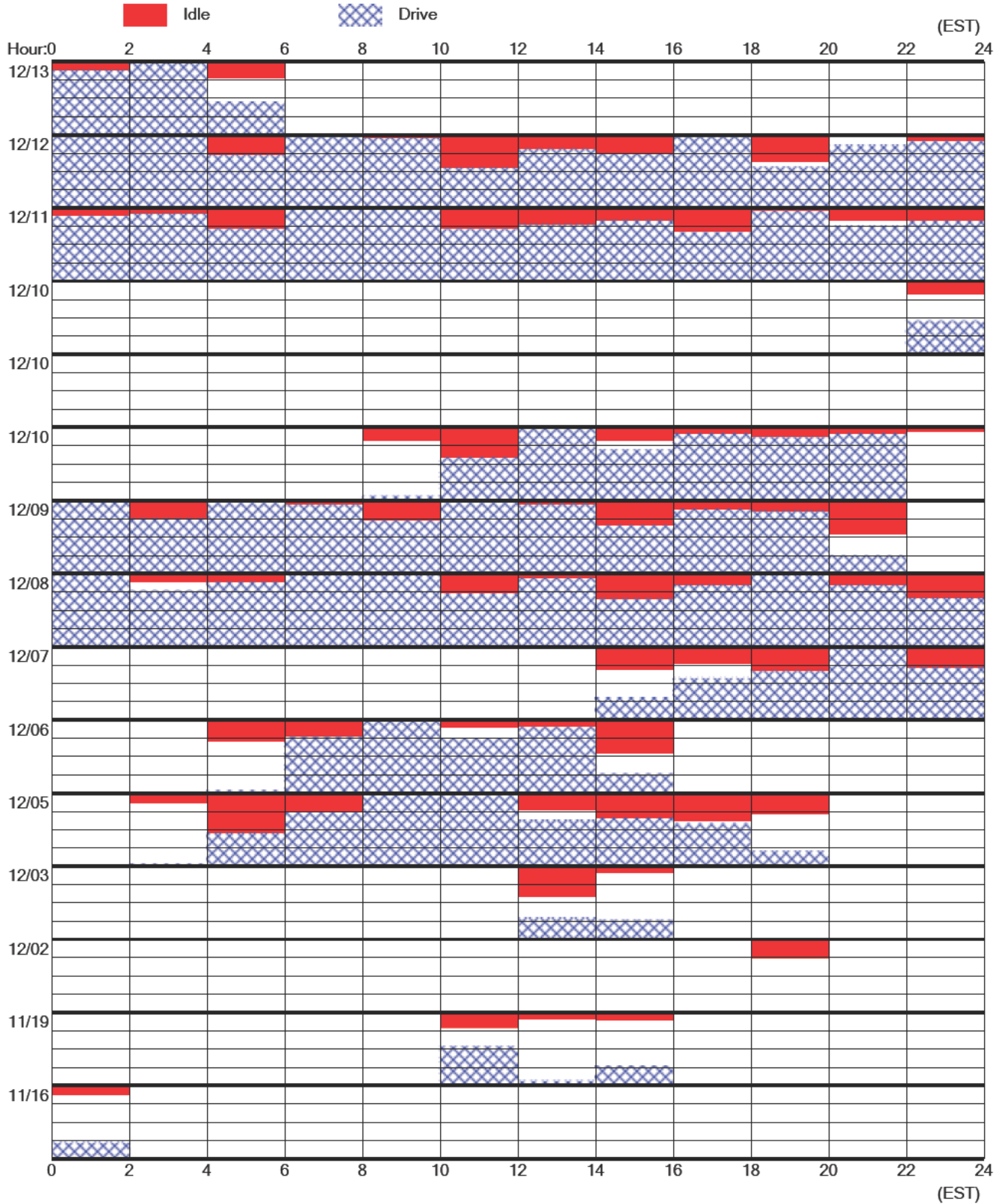


# DDEC® Reports - Daily Engine Usage

Print Date: 1/16/2020 11:06 AM  
 Pennsylvania State Police - CARS Unit

Date Range: 01/16/20 To 11/16/19 (EST)

Vehicle ID: KB7773  
 Driver ID:  
 Engine S/N: 472910S0537541





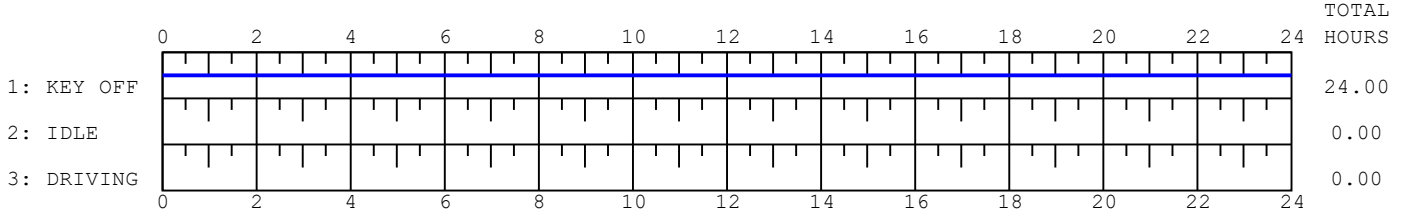
# DDEC® Reports - Daily Engine Usage

Print Date: 1/16/2020 11:06 AM  
Pennsylvania State Police - CARS Unit

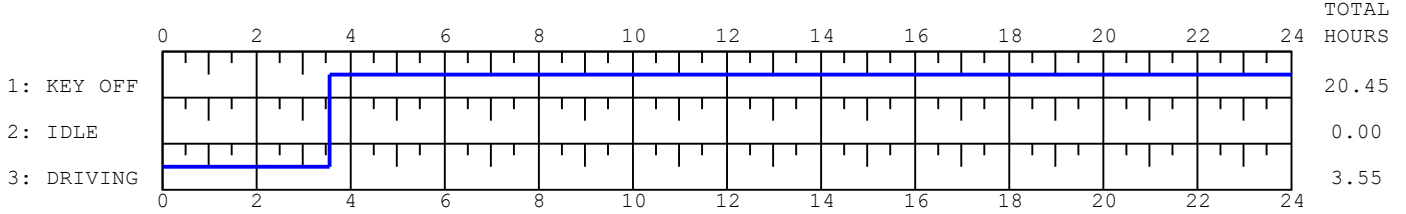
Date Range: 01/16/20 To 11/16/19 (EST)

Vehicle ID: KB7773  
Driver ID:  
Engine S/N: 472910S0537541

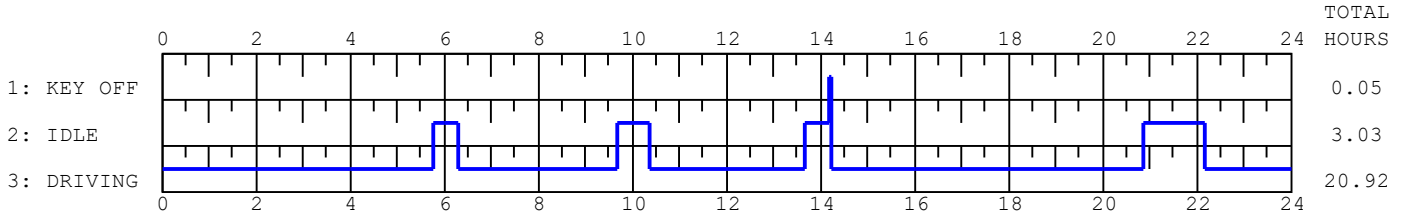
(1/16/2020)



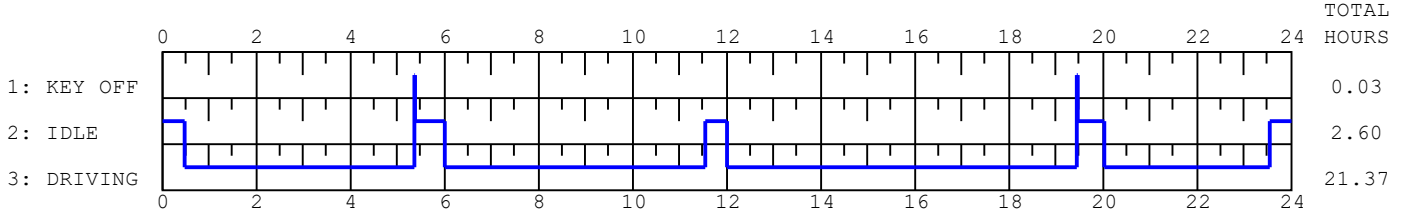
(1/5/2020)



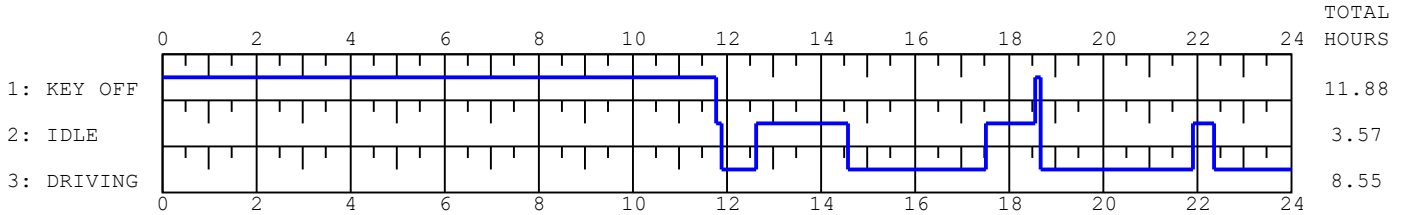
(1/4/2020)



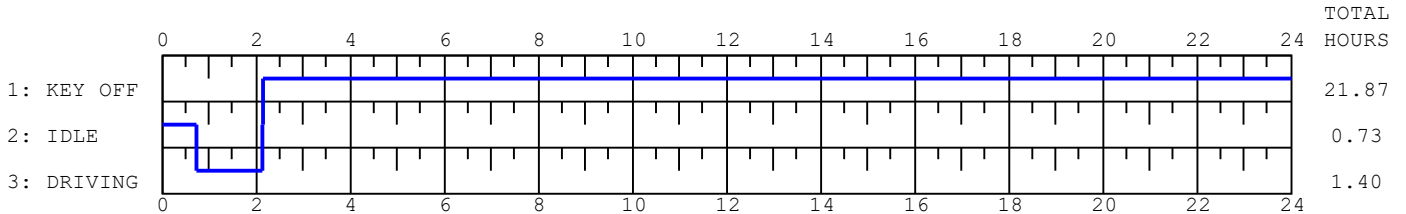
(1/3/2020)



(1/2/2020)



(1/1/2020)



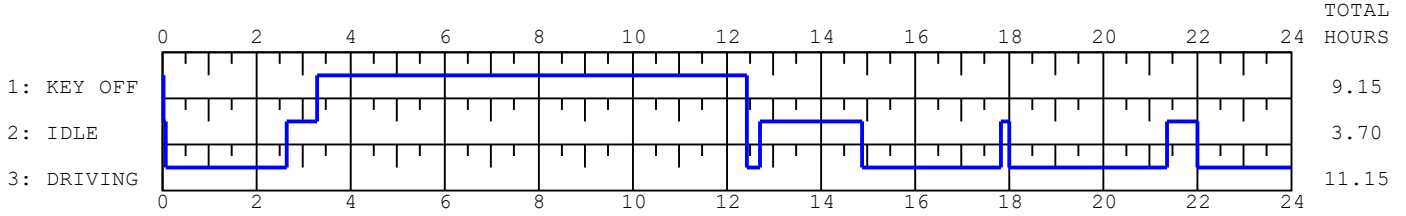
# DDEC® Reports - Daily Engine Usage

Print Date: 1/16/2020 11:06 AM  
Pennsylvania State Police - CARS Unit

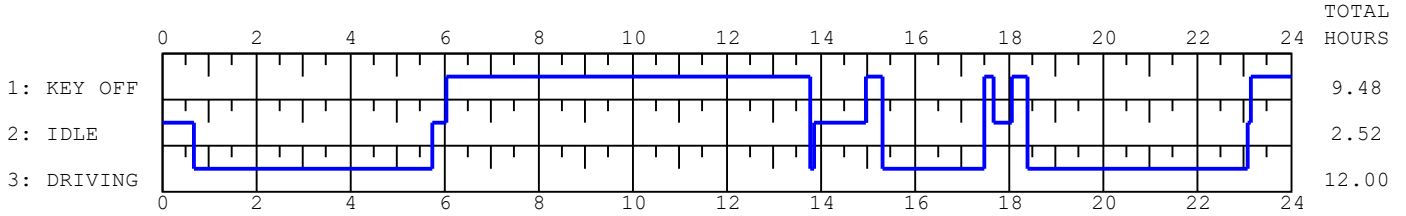
Date Range: 01/16/20 To 11/16/19 (EST)

Vehicle ID: KB7773  
Driver ID:  
Engine S/N: 472910S0537541

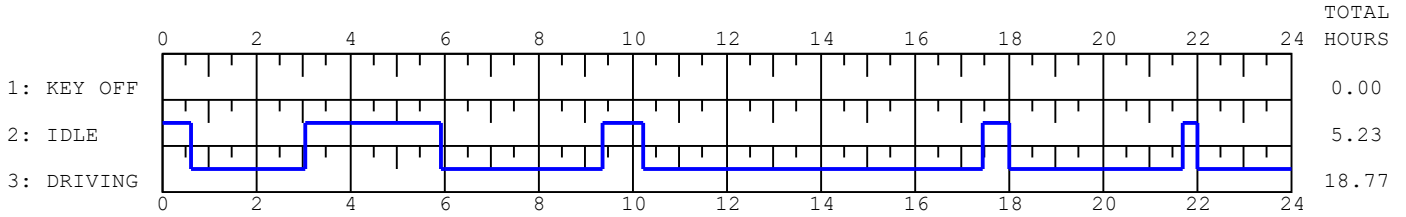
(12/31/2019)



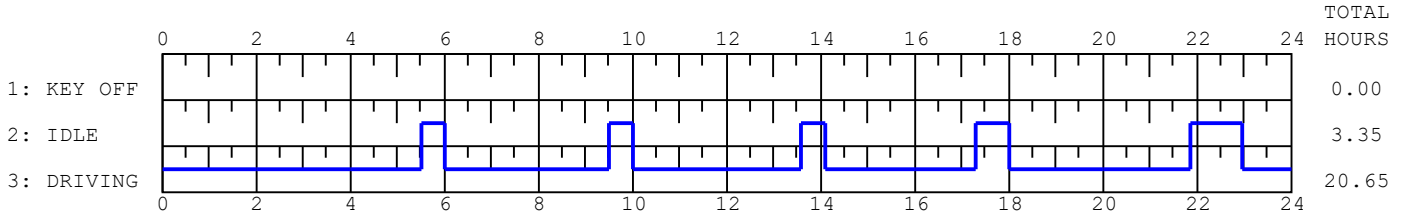
(12/30/2019)



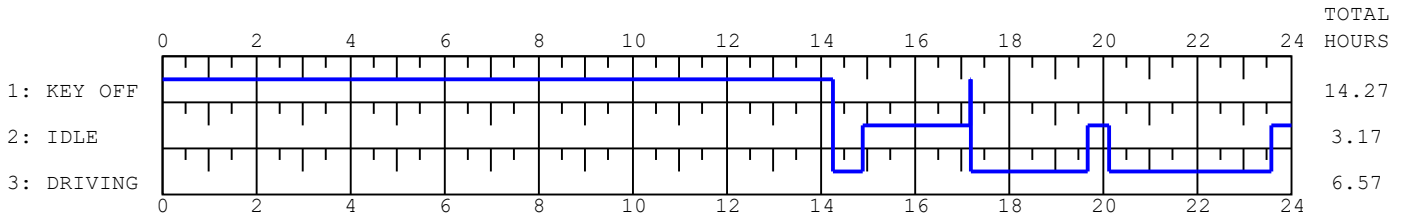
(12/29/2019)



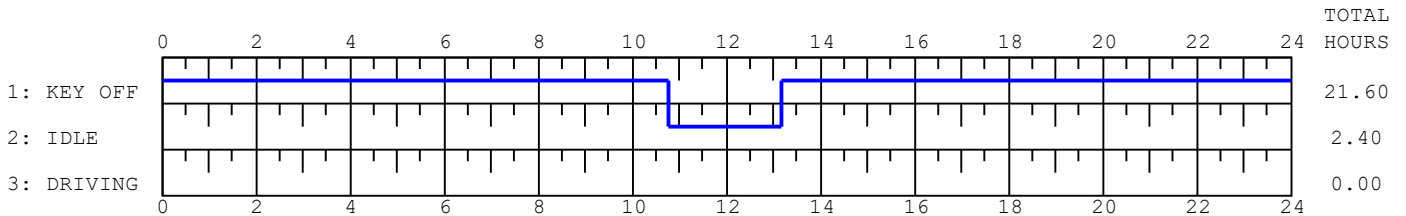
(12/28/2019)



(12/27/2019)



(12/26/2019)



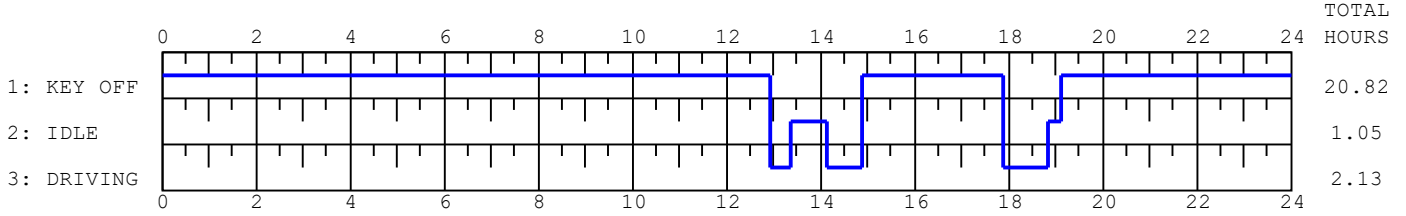
# DDEC® Reports - Daily Engine Usage

Print Date: 1/16/2020 11:06 AM  
Pennsylvania State Police - CARS Unit

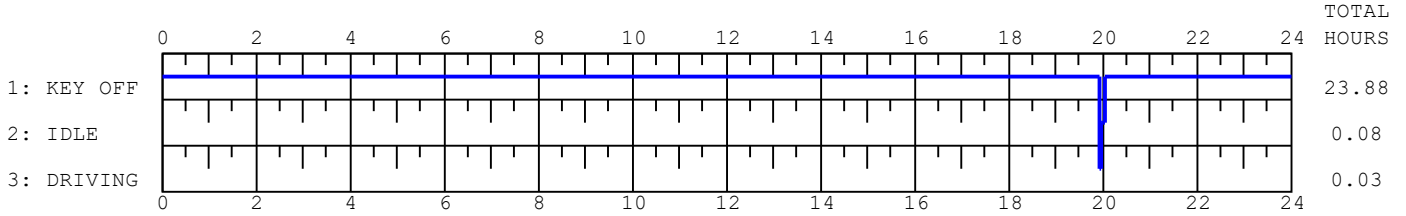
Date Range: 01/16/20 To 11/16/19 (EST)

Vehicle ID: KB7773  
Driver ID:  
Engine S/N: 472910S0537541

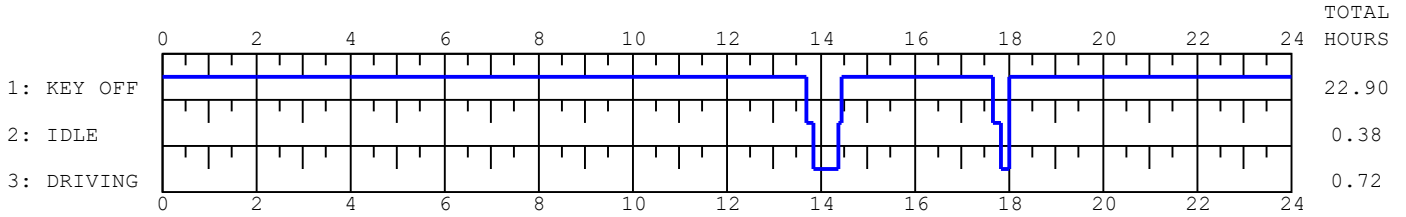
(12/23/2019)



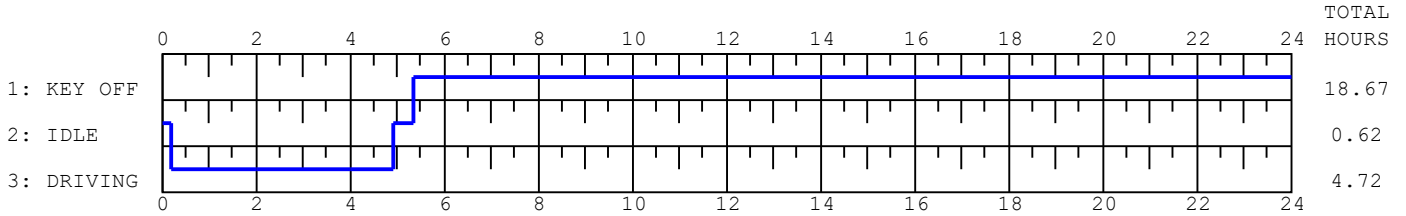
(12/19/2019)



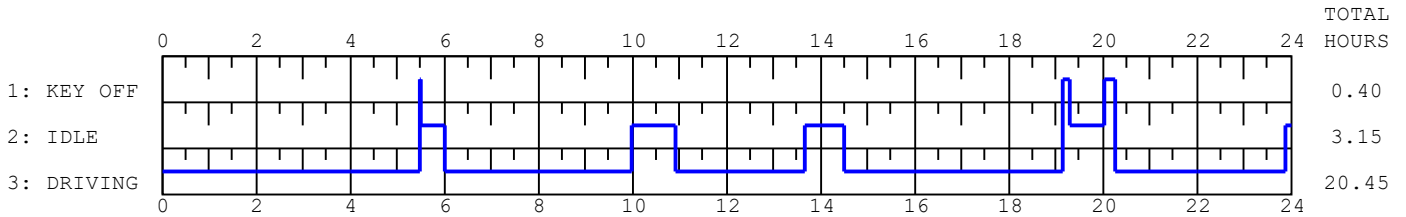
(12/18/2019)



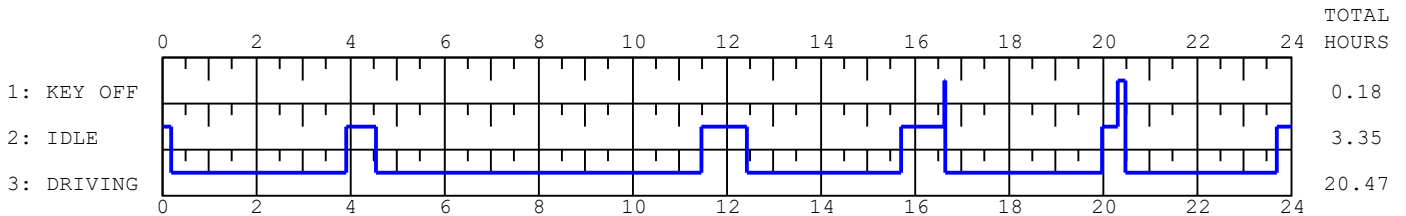
(12/13/2019)



(12/12/2019)



(12/11/2019)



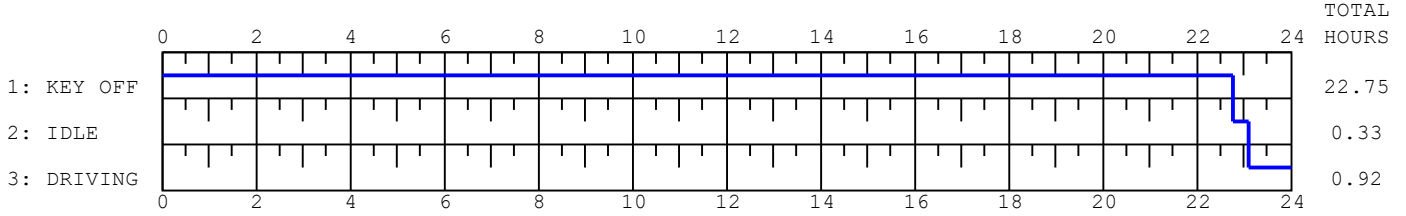
# DDEC® Reports - Daily Engine Usage

Print Date: 1/16/2020 11:06 AM  
Pennsylvania State Police - CARS Unit

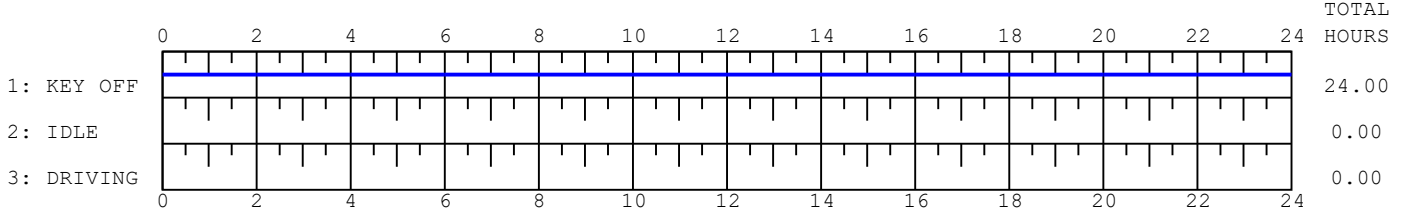
Date Range: 01/16/20 To 11/16/19 (EST)

Vehicle ID: KB7773  
Driver ID:  
Engine S/N: 472910S0537541

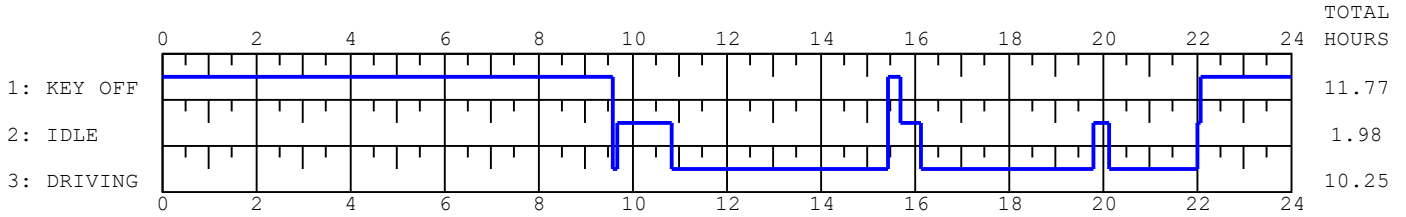
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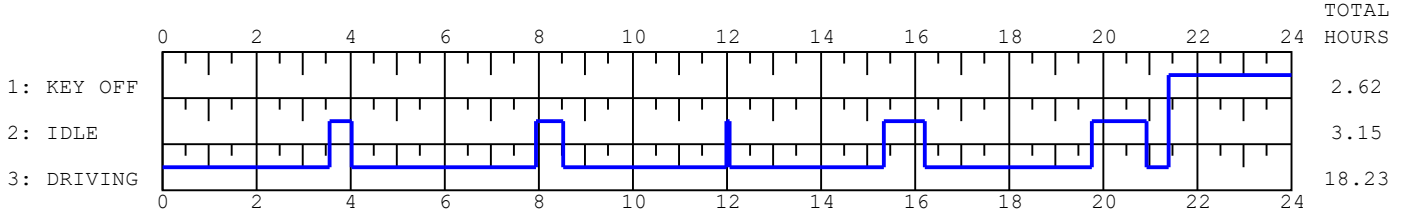
(12/10/2019)



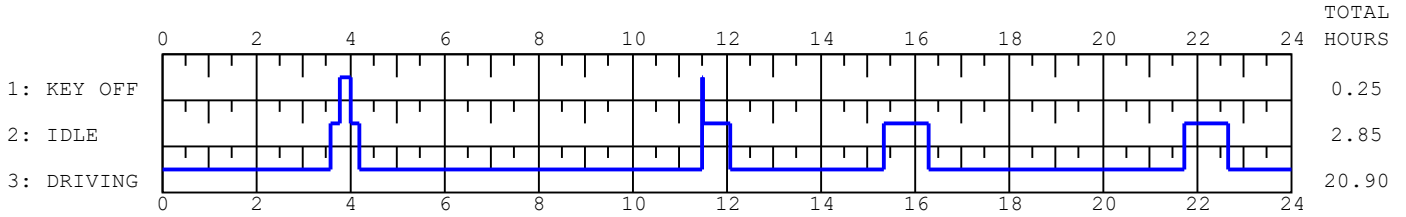
(12/10/2019)



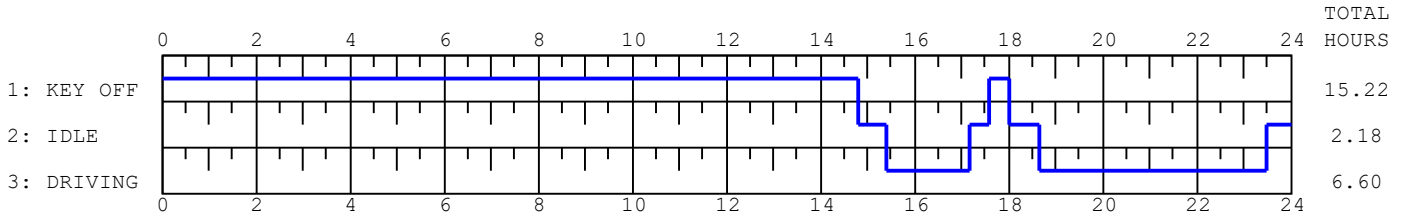
(12/9/2019)



(12/8/2019)



(12/7/2019)



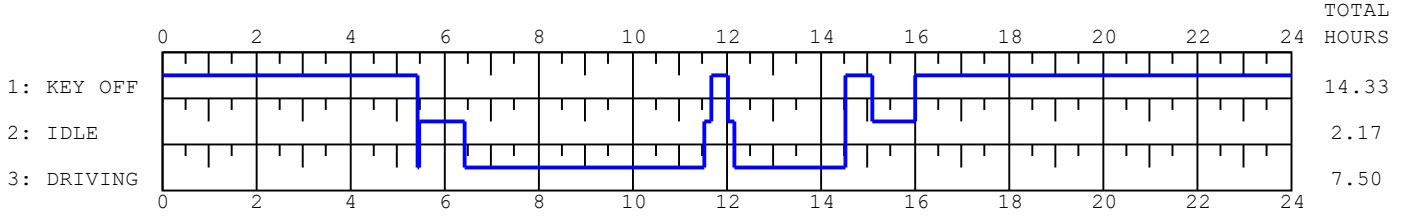
# DDEC® Reports - Daily Engine Usage

Print Date: 1/16/2020 11:06 AM  
Pennsylvania State Police - CARS Unit

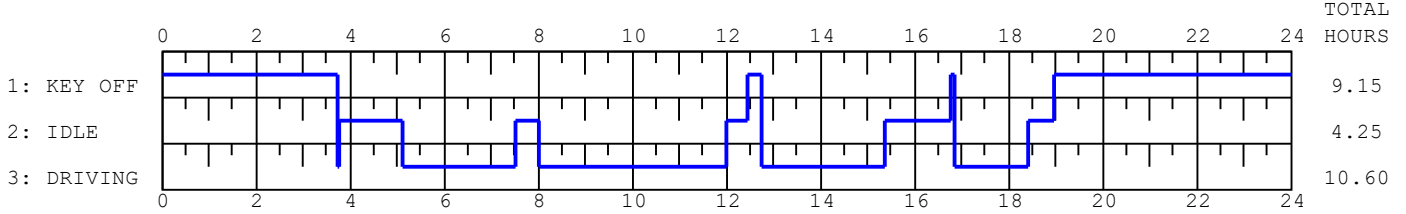
Date Range: 01/16/20 To 11/16/19 (EST)

Vehicle ID: KB7773  
Driver ID:  
Engine S/N: 472910S0537541

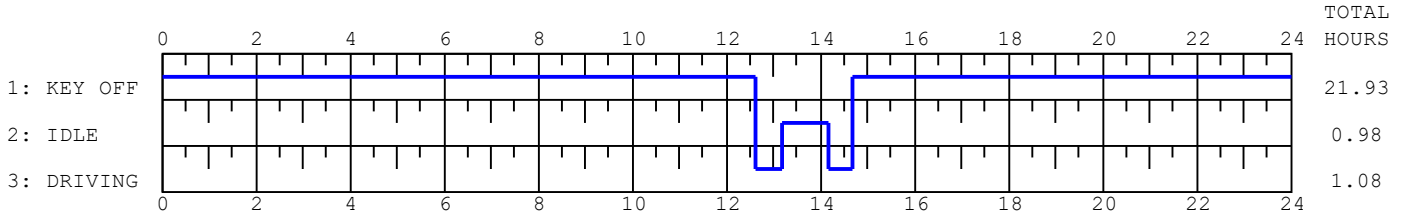
(12/6/2019)



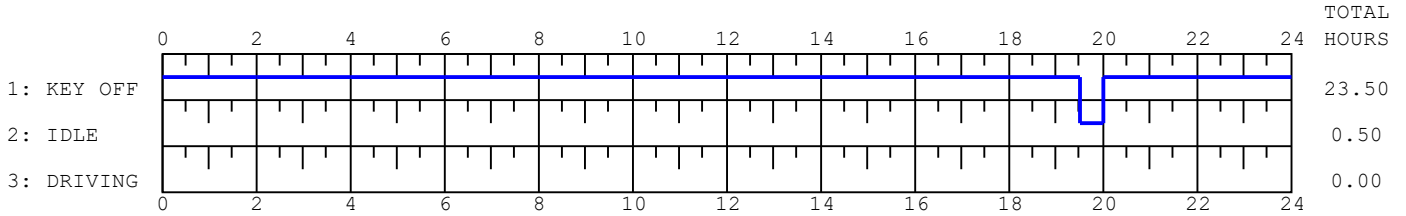
(12/5/2019)



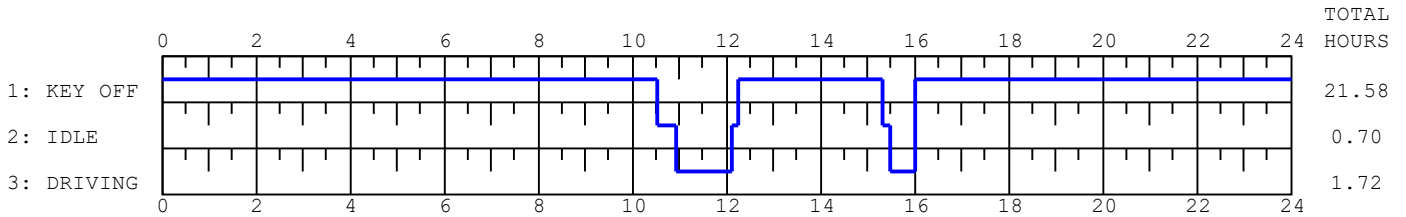
(12/3/2019)



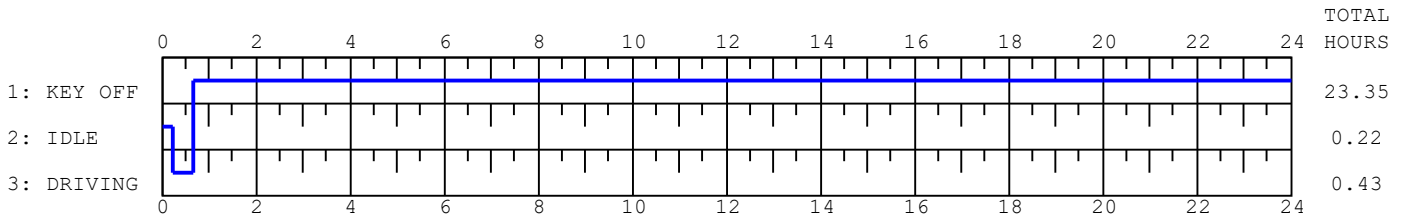
(12/2/2019)



(11/19/2019)



(11/16/2019)



# DDEC® Reports - Daily Engine Usage

Print Date: 1/16/2020 11:06 AM  
 Pennsylvania State Police - CARS Unit

Date Range: 01/16/20 To 11/16/19 (EST)

Vehicle ID: KB7773  
 Driver ID:  
 Engine S/N: 472910S0537541

Date:	1/16/2020
Start Time:	09:42:56 EST
Odometer:	461175.70 mi
Distance:	0.00 mi
Fuel:	0.00 gal
Fuel Economy:	0.00 mpg
Average Speed:	0.00 mph
DEF Fluid:	0.00 gal
Trip Economy:	0.00 mpg

Total (hh:mm)	00:00	00:00	24:00
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	0	0	120
02:00-04:00	0	0	120
04:00-06:00	0	0	120
06:00-08:00	0	0	120
08:00-10:00	0	0	120
10:00-12:00	0	0	120
12:00-14:00	0	0	120
14:00-16:00	0	0	120
16:00-18:00	0	0	120
18:00-20:00	0	0	120
20:00-22:00	0	0	120
22:00-24:00	0	0	120

Date:	1/5/2020
Start Time:	00:00:00 EST
Odometer:	460968.20 mi
Distance:	207.50 mi
Fuel:	30.00 gal
Fuel Economy:	6.92 mpg
Average Speed:	58.45 mph
DEF Fluid:	1.03 gal
Trip Economy:	201.88 mpg

Total (hh:mm)	03:33	00:00	20:27
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	120	0	0
02:00-04:00	93	0	27
04:00-06:00	0	0	120
06:00-08:00	0	0	120
08:00-10:00	0	0	120
10:00-12:00	0	0	120
12:00-14:00	0	0	120
14:00-16:00	0	0	120
16:00-18:00	0	0	120
18:00-20:00	0	0	120
20:00-22:00	0	0	120
22:00-24:00	0	0	120

Date:	1/4/2020
Start Time:	00:00:00 EST
Odometer:	459705.70 mi
Distance:	1262.50 mi
Fuel:	161.25 gal
Fuel Economy:	7.83 mpg
Average Speed:	60.36 mph
DEF Fluid:	5.34 gal
Trip Economy:	236.58 mpg

Total (hh:mm)	20:55	03:02	00:03
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	120	0	0
02:00-04:00	120	0	0
04:00-06:00	105	15	0
06:00-08:00	103	17	0
08:00-10:00	100	20	0
10:00-12:00	99	21	0
12:00-14:00	99	21	0
14:00-16:00	107	10	3
16:00-18:00	120	0	0
18:00-20:00	120	0	0
20:00-22:00	51	69	0
22:00-24:00	111	9	0

# DDEC® Reports - Daily Engine Usage

Print Date: 1/16/2020 11:06 AM  
 Pennsylvania State Police - CARS Unit

Date Range: 01/16/20 To 11/16/19 (EST)

Vehicle ID: KB7773  
 Driver ID:  
 Engine S/N: 472910S0537541

Date:	1/3/2020
Start Time:	00:00:00 EST
Odometer:	458369.10 mi
Distance:	1336.60 mi
Fuel:	166.25 gal
Fuel Economy:	8.04 mpg
Average Speed:	62.56 mph
DEF Fluid:	5.87 gal
Trip Economy:	227.62 mpg

Total (hh:mm)	21:22	02:36	00:02
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	92	28	0
02:00-04:00	120	0	0
04:00-06:00	81	38	1
06:00-08:00	120	0	0
08:00-10:00	120	0	0
10:00-12:00	92	28	0
12:00-14:00	120	0	0
14:00-16:00	120	0	0
16:00-18:00	120	0	0
18:00-20:00	86	33	1
20:00-22:00	119	1	0
22:00-24:00	92	28	0

Date:	1/2/2020
Start Time:	11:40:38 EST
Odometer:	457969.60 mi
Distance:	399.50 mi
Fuel:	51.50 gal
Fuel Economy:	7.76 mpg
Average Speed:	46.73 mph
DEF Fluid:	1.74 gal
Trip Economy:	229.31 mpg

Total (hh:mm)	08:33	03:34	11:53
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	0	0	120
02:00-04:00	0	0	120
04:00-06:00	0	0	120
06:00-08:00	0	0	120
08:00-10:00	0	0	120
10:00-12:00	7	7	106
12:00-14:00	37	83	0
14:00-16:00	86	34	0
16:00-18:00	90	30	0
18:00-20:00	80	33	7
20:00-22:00	114	6	0
22:00-24:00	99	21	0

Date:	1/1/2020
Start Time:	00:00:00 EST
Odometer:	457924.10 mi
Distance:	45.50 mi
Fuel:	5.25 gal
Fuel Economy:	8.67 mpg
Average Speed:	32.50 mph
DEF Fluid:	0.14 gal
Trip Economy:	336.40 mpg

Total (hh:mm)	01:24	00:44	21:52
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	77	43	0
02:00-04:00	7	1	112
04:00-06:00	0	0	120
06:00-08:00	0	0	120
08:00-10:00	0	0	120
10:00-12:00	0	0	120
12:00-14:00	0	0	120
14:00-16:00	0	0	120
16:00-18:00	0	0	120
18:00-20:00	0	0	120
20:00-22:00	0	0	120
22:00-24:00	0	0	120

# DDEC® Reports - Daily Engine Usage

Print Date: 1/16/2020 11:06 AM  
 Pennsylvania State Police - CARS Unit

Date Range: 01/16/20 To 11/16/19 (EST)

Vehicle ID: KB7773  
 Driver ID:  
 Engine S/N: 472910S0537541

Date:	12/31/2019
Start Time:	00:00:00 EST
Odometer:	457374.90 mi
Distance:	549.20 mi
Fuel:	77.00 gal
Fuel Economy:	7.13 mpg
Average Speed:	49.26 mph
DEF Fluid:	2.74 gal
Trip Economy:	200.46 mpg

Total (hh:mm)	11:09	03:42	09:09
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	116	3	1
02:00-04:00	38	39	43
04:00-06:00	0	0	120
06:00-08:00	0	0	120
08:00-10:00	0	0	120
10:00-12:00	0	0	120
12:00-14:00	17	78	25
14:00-16:00	68	52	0
16:00-18:00	109	11	0
18:00-20:00	120	0	0
20:00-22:00	81	39	0
22:00-24:00	120	0	0

Date:	12/30/2019
Start Time:	00:00:00 EST
Odometer:	456753.90 mi
Distance:	621.00 mi
Fuel:	86.25 gal
Fuel Economy:	7.20 mpg
Average Speed:	51.75 mph
DEF Fluid:	3.11 gal
Trip Economy:	199.69 mpg

Total (hh:mm)	12:00	02:31	09:29
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	80	40	0
02:00-04:00	120	0	0
04:00-06:00	104	16	0
06:00-08:00	0	2	118
08:00-10:00	0	0	120
10:00-12:00	0	0	120
12:00-14:00	5	9	106
14:00-16:00	42	57	21
16:00-18:00	88	20	12
18:00-20:00	97	3	20
20:00-22:00	120	0	0
22:00-24:00	64	4	52

Date:	12/29/2019
Start Time:	00:00:00 EST
Odometer:	455644.30 mi
Distance:	1109.60 mi
Fuel:	152.50 gal
Fuel Economy:	7.28 mpg
Average Speed:	59.13 mph
DEF Fluid:	5.68 gal
Trip Economy:	195.23 mpg

Total (hh:mm)	18:46	05:14	00:00
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	84	36	0
02:00-04:00	62	58	0
04:00-06:00	5	115	0
06:00-08:00	120	0	0
08:00-10:00	81	39	0
10:00-12:00	107	13	0
12:00-14:00	120	0	0
14:00-16:00	120	0	0
16:00-18:00	86	34	0
18:00-20:00	120	0	0
20:00-22:00	101	19	0
22:00-24:00	120	0	0



# DDEC® Reports - Daily Engine Usage

Print Date: 1/16/2020 11:06 AM  
 Pennsylvania State Police - CARS Unit

Date Range: 01/16/20 To 11/16/19 (EST)

Vehicle ID: KB7773  
 Driver ID:  
 Engine S/N: 472910S0537541

Date:	12/28/2019
Start Time:	00:00:00 EST
Odometer:	454478.10 mi
Distance:	1166.20 mi
Fuel:	169.00 gal
Fuel Economy:	6.90 mpg
Average Speed:	56.47 mph
DEF Fluid:	6.21 gal
Trip Economy:	187.80 mpg

Total (hh:mm)	20:39	03:21	00:00
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	120	0	0
02:00-04:00	120	0	0
04:00-06:00	90	30	0
06:00-08:00	120	0	0
08:00-10:00	89	31	0
10:00-12:00	120	0	0
12:00-14:00	94	26	0
14:00-16:00	115	5	0
16:00-18:00	77	43	0
18:00-20:00	120	0	0
20:00-22:00	111	9	0
22:00-24:00	63	57	0

Date:	12/27/2019
Start Time:	14:13:58 EST
Odometer:	454184.80 mi
Distance:	293.30 mi
Fuel:	41.25 gal
Fuel Economy:	7.11 mpg
Average Speed:	44.66 mph
DEF Fluid:	1.35 gal
Trip Economy:	217.79 mpg

Total (hh:mm)	06:34	03:10	14:16
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	0	0	120
02:00-04:00	0	0	120
04:00-06:00	0	0	120
06:00-08:00	0	0	120
08:00-10:00	0	0	120
10:00-12:00	0	0	120
12:00-14:00	0	0	120
14:00-16:00	38	67	15
16:00-18:00	49	70	1
18:00-20:00	100	20	0
20:00-22:00	113	7	0
22:00-24:00	94	26	0

Date:	12/26/2019
Start Time:	10:22:58 EST
Odometer:	454184.80 mi
Distance:	0.00 mi
Fuel:	1.50 gal
Fuel Economy:	0.00 mpg
Average Speed:	0.00 mph
DEF Fluid:	0.00 gal
Trip Economy:	0.00 mpg

Total (hh:mm)	00:00	02:24	21:36
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	0	0	120
02:00-04:00	0	0	120
04:00-06:00	0	0	120
06:00-08:00	0	0	120
08:00-10:00	0	0	120
10:00-12:00	0	75	45
12:00-14:00	0	69	51
14:00-16:00	0	0	120
16:00-18:00	0	0	120
18:00-20:00	0	0	120
20:00-22:00	0	0	120
22:00-24:00	0	0	120

# DDEC® Reports - Daily Engine Usage

Print Date: 1/16/2020 11:06 AM  
 Pennsylvania State Police - CARS Unit

Date Range: 01/16/20 To 11/16/19 (EST)

Vehicle ID: KB7773  
 Driver ID:  
 Engine S/N: 472910S0537541

Date:	12/23/2019
Start Time:	12:30:30 EST
Odometer:	454145.30 mi
Distance:	39.50 mi
Fuel:	5.25 gal
Fuel Economy:	7.52 mpg
Average Speed:	18.52 mph
DEF Fluid:	0.17 gal
Trip Economy:	226.60 mpg

Total (hh:mm)	02:08	01:03	20:49
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	0	0	120
02:00-04:00	0	0	120
04:00-06:00	0	0	120
06:00-08:00	0	0	120
08:00-10:00	0	0	120
10:00-12:00	0	0	120
12:00-14:00	26	39	55
14:00-16:00	45	7	68
16:00-18:00	8	0	112
18:00-20:00	49	17	54
20:00-22:00	0	0	120
22:00-24:00	0	0	120

Date:	12/19/2019
Start Time:	19:06:18 EST
Odometer:	454145.10 mi
Distance:	0.20 mi
Fuel:	0.00 gal
Fuel Economy:	0.00 mpg
Average Speed:	6.00 mph
DEF Fluid:	0.00 gal
Trip Economy:	0.00 mpg

Total (hh:mm)	00:02	00:05	23:53
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	0	0	120
02:00-04:00	0	0	120
04:00-06:00	0	0	120
06:00-08:00	0	0	120
08:00-10:00	0	0	120
10:00-12:00	0	0	120
12:00-14:00	0	0	120
14:00-16:00	0	0	120
16:00-18:00	0	0	120
18:00-20:00	2	3	115
20:00-22:00	0	2	118
22:00-24:00	0	0	120

Date:	12/18/2019
Start Time:	13:39:53 EST
Odometer:	454129.40 mi
Distance:	15.70 mi
Fuel:	2.00 gal
Fuel Economy:	7.85 mpg
Average Speed:	21.91 mph
DEF Fluid:	0.07 gal
Trip Economy:	223.29 mpg

Total (hh:mm)	00:43	00:23	22:54
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	0	0	120
02:00-04:00	0	0	120
04:00-06:00	0	0	120
06:00-08:00	0	0	120
08:00-10:00	0	0	120
10:00-12:00	0	0	120
12:00-14:00	10	9	101
14:00-16:00	22	4	94
16:00-18:00	11	10	99
18:00-20:00	0	0	120
20:00-22:00	0	0	120
22:00-24:00	0	0	120

# DDEC® Reports - Daily Engine Usage

Print Date: 1/16/2020 11:06 AM  
 Pennsylvania State Police - CARS Unit

Date Range: 01/16/20 To 11/16/19 (EST)

Vehicle ID: KB7773  
 Driver ID:  
 Engine S/N: 472910S0537541

Date:	12/13/2019
Start Time:	00:00:00 EST
Odometer:	453892.10 mi
Distance:	237.30 mi
Fuel:	28.25 gal
Fuel Economy:	8.40 mpg
Average Speed:	50.31 mph
DEF Fluid:	0.97 gal
Trip Economy:	244.34 mpg

Total (hh:mm)	04:43	00:37	18:40
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	109	11	0
02:00-04:00	120	0	0
04:00-06:00	54	26	40
06:00-08:00	0	0	120
08:00-10:00	0	0	120
10:00-12:00	0	0	120
12:00-14:00	0	0	120
14:00-16:00	0	0	120
16:00-18:00	0	0	120
18:00-20:00	0	0	120
20:00-22:00	0	0	120
22:00-24:00	0	0	120

Date:	12/12/2019
Start Time:	00:00:00 EST
Odometer:	452730.00 mi
Distance:	1162.10 mi
Fuel:	139.75 gal
Fuel Economy:	8.32 mpg
Average Speed:	56.83 mph
DEF Fluid:	5.04 gal
Trip Economy:	230.66 mpg

Total (hh:mm)	20:27	03:09	00:24
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	120	0	0
02:00-04:00	120	0	0
04:00-06:00	88	31	1
06:00-08:00	120	0	0
08:00-10:00	118	2	0
10:00-12:00	66	54	0
12:00-14:00	99	21	0
14:00-16:00	91	29	0
16:00-18:00	120	0	0
18:00-20:00	68	43	9
20:00-22:00	105	1	14
22:00-24:00	112	8	0

Date:	12/11/2019
Start Time:	00:00:00 EST
Odometer:	451585.00 mi
Distance:	1145.00 mi
Fuel:	150.00 gal
Fuel Economy:	7.63 mpg
Average Speed:	55.94 mph
DEF Fluid:	5.92 gal
Trip Economy:	193.32 mpg

Total (hh:mm)	20:28	03:21	00:11
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	109	11	0
02:00-04:00	114	6	0
04:00-06:00	88	32	0
06:00-08:00	120	0	0
08:00-10:00	120	0	0
10:00-12:00	87	33	0
12:00-14:00	95	25	0
14:00-16:00	102	18	0
16:00-18:00	82	37	1
18:00-20:00	118	2	0
20:00-22:00	92	18	10
22:00-24:00	101	19	0

# DDEC® Reports - Daily Engine Usage

Print Date: 1/16/2020 11:06 AM  
 Pennsylvania State Police - CARS Unit

Date Range: 01/16/20 To 11/16/19 (EST)

Vehicle ID: KB7773  
 Driver ID:  
 Engine S/N: 472910S0537541

Date:	12/10/2019
Start Time:	22:44:01 EST
Odometer:	451543.40 mi
Distance:	41.60 mi
Fuel:	5.50 gal
Fuel Economy:	7.56 mpg
Average Speed:	45.38 mph
DEF Fluid:	0.19 gal
Trip Economy:	216.24 mpg

Total (hh:mm)	00:55	00:20	22:45
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	0	0	120
02:00-04:00	0	0	120
04:00-06:00	0	0	120
06:00-08:00	0	0	120
08:00-10:00	0	0	120
10:00-12:00	0	0	120
12:00-14:00	0	0	120
14:00-16:00	0	0	120
16:00-18:00	0	0	120
18:00-20:00	0	0	120
20:00-22:00	0	0	120
22:00-24:00	55	20	45

Date:	12/10/2019
Start Time:	22:44:00 EST
Odometer:	451543.40 mi
Distance:	0.00 mi
Fuel:	0.00 gal
Fuel Economy:	0.00 mpg
Average Speed:	0.00 mph
DEF Fluid:	0.00 gal
Trip Economy:	0.00 mpg

Total (hh:mm)	00:00	00:00	24:00
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	0	0	120
02:00-04:00	0	0	120
04:00-06:00	0	0	120
06:00-08:00	0	0	120
08:00-10:00	0	0	120
10:00-12:00	0	0	120
12:00-14:00	0	0	120
14:00-16:00	0	0	120
16:00-18:00	0	0	120
18:00-20:00	0	0	120
20:00-22:00	0	0	120
22:00-24:00	0	0	120

Date:	12/10/2019
Start Time:	09:33:38 EST
Odometer:	450930.30 mi
Distance:	613.10 mi
Fuel:	80.50 gal
Fuel Economy:	7.62 mpg
Average Speed:	59.81 mph
DEF Fluid:	2.88 gal
Trip Economy:	213.00 mpg

Total (hh:mm)	10:15	01:59	11:46
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	0	0	120
02:00-04:00	0	0	120
04:00-06:00	0	0	120
06:00-08:00	0	0	120
08:00-10:00	6	20	94
10:00-12:00	71	49	0
12:00-14:00	120	0	0
14:00-16:00	85	19	16
16:00-18:00	113	7	0
18:00-20:00	107	13	0
20:00-22:00	113	7	0
22:00-24:00	0	4	116

# DDEC® Reports - Daily Engine Usage

Print Date: 1/16/2020 11:06 AM  
 Pennsylvania State Police - CARS Unit

Date Range: 01/16/20 To 11/16/19 (EST)

Vehicle ID: KB7773  
 Driver ID:  
 Engine S/N: 472910S0537541

Date:	12/9/2019
Start Time:	00:00:01 EST
Odometer:	449934.70 mi
Distance:	995.60 mi
Fuel:	152.25 gal
Fuel Economy:	6.54 mpg
Average Speed:	54.60 mph
DEF Fluid:	5.01 gal
Trip Economy:	198.54 mpg

Total (hh:mm)	18:14	03:09	02:37
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	120	0	0
02:00-04:00	93	27	0
04:00-06:00	119	1	0
06:00-08:00	116	4	0
08:00-10:00	89	31	0
10:00-12:00	119	1	0
12:00-14:00	117	3	0
14:00-16:00	80	40	0
16:00-18:00	108	12	0
18:00-20:00	105	15	0
20:00-22:00	28	55	37
22:00-24:00	0	0	120

Date:	12/8/2019
Start Time:	00:00:00 EST
Odometer:	448645.60 mi
Distance:	1289.10 mi
Fuel:	172.75 gal
Fuel Economy:	7.46 mpg
Average Speed:	61.68 mph
DEF Fluid:	6.12 gal
Trip Economy:	210.50 mpg

Total (hh:mm)	20:54	02:51	00:15
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	120	0	0
02:00-04:00	94	12	14
04:00-06:00	109	11	0
06:00-08:00	120	0	0
08:00-10:00	120	0	0
10:00-12:00	88	31	1
12:00-14:00	116	4	0
14:00-16:00	80	40	0
16:00-18:00	103	17	0
18:00-20:00	120	0	0
20:00-22:00	103	17	0
22:00-24:00	81	39	0

Date:	12/7/2019
Start Time:	14:39:43 EST
Odometer:	448306.20 mi
Distance:	339.40 mi
Fuel:	56.75 gal
Fuel Economy:	5.98 mpg
Average Speed:	51.42 mph
DEF Fluid:	1.78 gal
Trip Economy:	191.06 mpg

Total (hh:mm)	06:36	02:11	15:13
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	0	0	120
02:00-04:00	0	0	120
04:00-06:00	0	0	120
06:00-08:00	0	0	120
08:00-10:00	0	0	120
10:00-12:00	0	0	120
12:00-14:00	0	0	120
14:00-16:00	37	36	47
16:00-18:00	69	25	26
18:00-20:00	82	38	0
20:00-22:00	120	0	0
22:00-24:00	88	32	0

# DDEC® Reports - Daily Engine Usage

Print Date: 1/16/2020 11:06 AM  
 Pennsylvania State Police - CARS Unit

Date Range: 01/16/20 To 11/16/19 (EST)

Vehicle ID: KB7773  
 Driver ID:  
 Engine S/N: 472910S0537541

Date:	12/6/2019
Start Time:	05:24:18 EST
Odometer:	447912.60 mi
Distance:	393.60 mi
Fuel:	37.50 gal
Fuel Economy:	10.50 mpg
Average Speed:	52.48 mph
DEF Fluid:	1.07 gal
Trip Economy:	368.92 mpg

Total (hh:mm)	07:30	02:10	14:20
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	0	0	120
02:00-04:00	0	0	120
04:00-06:00	2	33	85
06:00-08:00	95	25	0
08:00-10:00	120	0	0
10:00-12:00	91	9	20
12:00-14:00	111	8	1
14:00-16:00	31	55	34
16:00-18:00	0	0	120
18:00-20:00	0	0	120
20:00-22:00	0	0	120
22:00-24:00	0	0	120

Date:	12/5/2019
Start Time:	03:42:04 EST
Odometer:	447410.50 mi
Distance:	502.10 mi
Fuel:	67.25 gal
Fuel Economy:	7.47 mpg
Average Speed:	47.37 mph
DEF Fluid:	2.21 gal
Trip Economy:	226.75 mpg

Total (hh:mm)	10:36	04:15	09:09
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	0	0	120
02:00-04:00	2	15	103
04:00-06:00	54	66	0
06:00-08:00	90	30	0
08:00-10:00	120	0	0
10:00-12:00	119	1	0
12:00-14:00	76	26	18
14:00-16:00	81	39	0
16:00-18:00	70	45	5
18:00-20:00	24	33	63
20:00-22:00	0	0	120
22:00-24:00	0	0	120

Date:	12/3/2019
Start Time:	12:35:34 EST
Odometer:	447384.20 mi
Distance:	26.30 mi
Fuel:	3.75 gal
Fuel Economy:	7.01 mpg
Average Speed:	24.28 mph
DEF Fluid:	0.12 gal
Trip Economy:	222.57 mpg

Total (hh:mm)	01:05	00:59	21:56
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	0	0	120
02:00-04:00	0	0	120
04:00-06:00	0	0	120
06:00-08:00	0	0	120
08:00-10:00	0	0	120
10:00-12:00	0	0	120
12:00-14:00	34	50	36
14:00-16:00	31	9	80
16:00-18:00	0	0	120
18:00-20:00	0	0	120
20:00-22:00	0	0	120
22:00-24:00	0	0	120

# DDEC® Reports - Daily Engine Usage

Print Date: 1/16/2020 11:06 AM  
 Pennsylvania State Police - CARS Unit

Date Range: 01/16/20 To 11/16/19 (EST)

Vehicle ID: KB7773  
 Driver ID:  
 Engine S/N: 472910S0537541

Date:	12/2/2019
Start Time:	18:02:55 EST
Odometer:	447384.20 mi
Distance:	0.00 mi
Fuel:	0.25 gal
Fuel Economy:	0.00 mpg
Average Speed:	0.00 mph
DEF Fluid:	0.00 gal
Trip Economy:	0.00 mpg

Total (hh:mm)	00:00	00:30	23:30
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	0	0	120
02:00-04:00	0	0	120
04:00-06:00	0	0	120
06:00-08:00	0	0	120
08:00-10:00	0	0	120
10:00-12:00	0	0	120
12:00-14:00	0	0	120
14:00-16:00	0	0	120
16:00-18:00	0	0	120
18:00-20:00	0	30	90
20:00-22:00	0	0	120
22:00-24:00	0	0	120

Date:	11/19/2019
Start Time:	10:26:19 EST
Odometer:	447334.30 mi
Distance:	49.90 mi
Fuel:	5.75 gal
Fuel Economy:	8.68 mpg
Average Speed:	29.07 mph
DEF Fluid:	0.25 gal
Trip Economy:	197.29 mpg

Total (hh:mm)	01:43	00:42	21:35
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	0	0	120
02:00-04:00	0	0	120
04:00-06:00	0	0	120
06:00-08:00	0	0	120
08:00-10:00	0	0	120
10:00-12:00	65	24	31
12:00-14:00	6	8	106
14:00-16:00	32	10	78
16:00-18:00	0	0	120
18:00-20:00	0	0	120
20:00-22:00	0	0	120
22:00-24:00	0	0	120

Date:	11/16/2019
Start Time:	00:00:00 EST
Odometer:	447321.20 mi
Distance:	13.10 mi
Fuel:	1.50 gal
Fuel Economy:	8.73 mpg
Average Speed:	30.23 mph
DEF Fluid:	0.02 gal
Trip Economy:	609.75 mpg

Total (hh:mm)	00:26	00:13	23:21
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	26	13	81
02:00-04:00	0	0	120
04:00-06:00	0	0	120
06:00-08:00	0	0	120
08:00-10:00	0	0	120
10:00-12:00	0	0	120
12:00-14:00	0	0	120
14:00-16:00	0	0	120
16:00-18:00	0	0	120
18:00-20:00	0	0	120
20:00-22:00	0	0	120
22:00-24:00	0	0	120

# DDEC® Reports - Hard Brake

# #1

Print Date: 1/16/2020 11:06 AM  
Pennsylvania State Police - CARS Unit

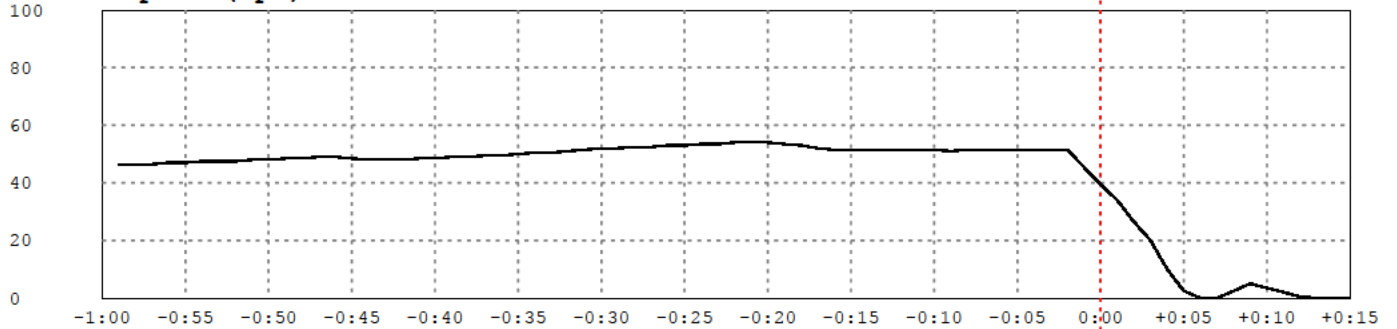
Trip: 07/28/19 08:12:01 To 01/16/20 (EST)  
Vehicle ID: KB7773  
Driver ID:  
Odometer: 461175.7 mi  
Engine S/N: 472910S0537541

Trip Distance	461175.7 mi	Trip Time	9360:56:46
Trip Fuel	64247.90 gal	Fuel Consumption	6.86 gal/h
Fuel Economy	7.18 mpg	Idle Time	1473:31:08
Avg Drive Load	53 %	Idle Percent	15.74 %
Avg Vehicle Speed	58.5 mph	Idle Fuel	1039.40 gal
		Parked Regen Time	-

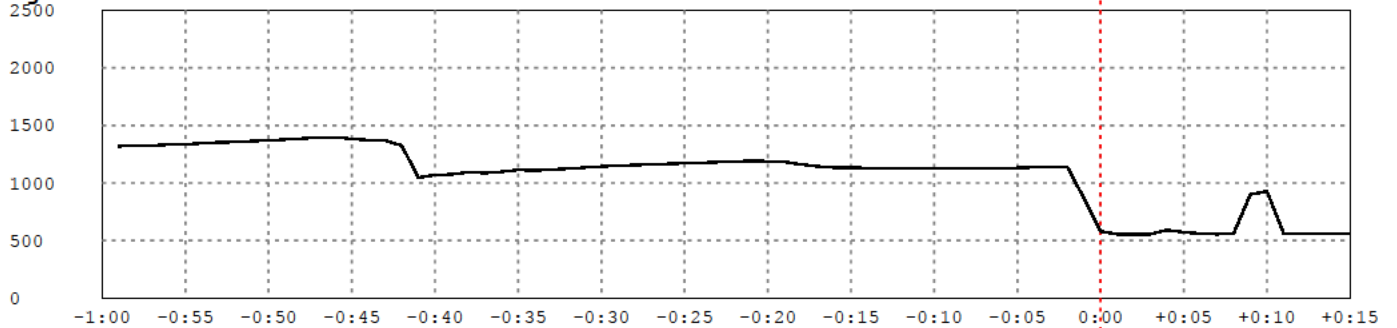
Incident Time: 01/05/20 3:32:37 (EST)

Incident Odometer: 461175.7 mi

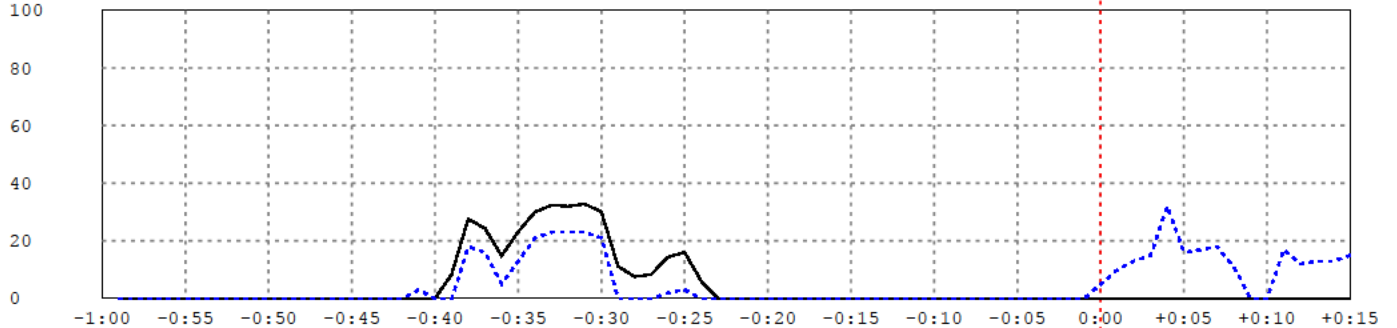
## Vehicle Speed (mph)



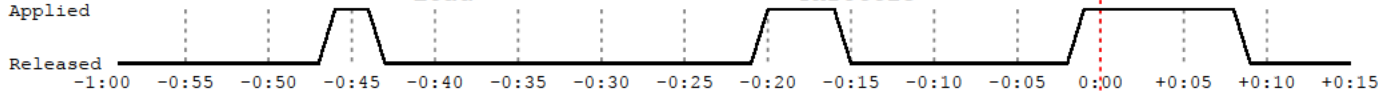
## Engine RPM



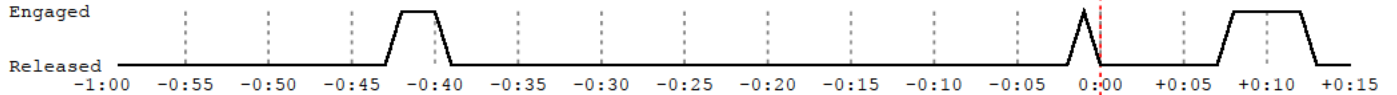
## Percent



## Brake



## Clutch





# DDEC® Reports - Hard Brake

## #2

Print Date: 1/16/2020 11:06 AM  
Pennsylvania State Police - CARS Unit

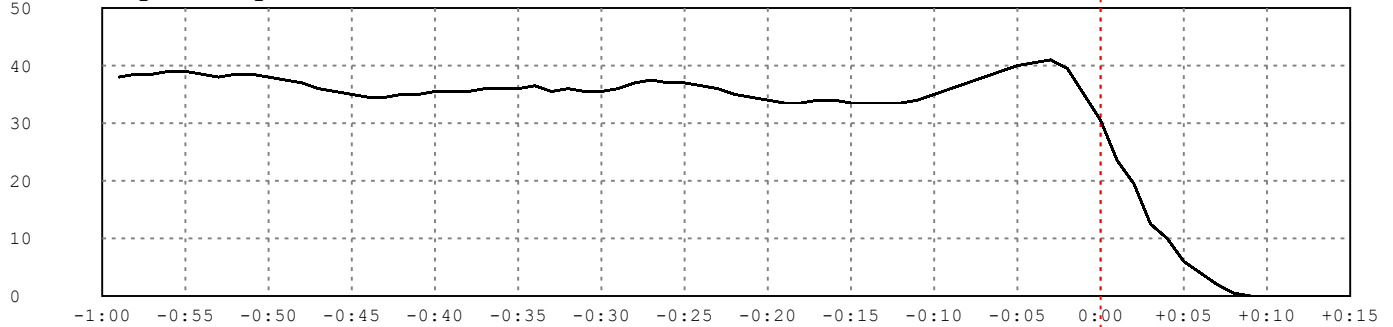
Trip: 07/28/19 08:12:01 To 01/16/20 (EST)  
Vehicle ID: KB7773  
Driver ID:  
Odometer: 461175.7 mi  
Engine S/N: 472910S0537541

Trip Distance	461175.7 mi	Trip Time	9360:56:46
Trip Fuel	64247.90 gal	Fuel Consumption	6.86 gal/h
Fuel Economy	7.18 mpg	Idle Time	1473:31:08
Avg Drive Load	53 %	Idle Percent	15.74 %
Avg Vehicle Speed	58.5 mph	Idle Fuel	1039.40 gal
		Parked Regen Time	-

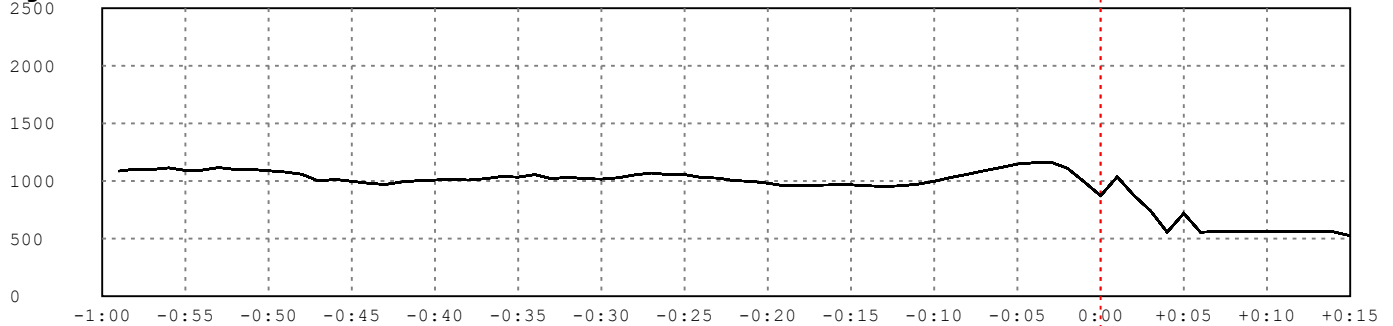
Incident Time: 01/01/20 1:58:02 (EST)

Incident Odometer: 457966.6 mi

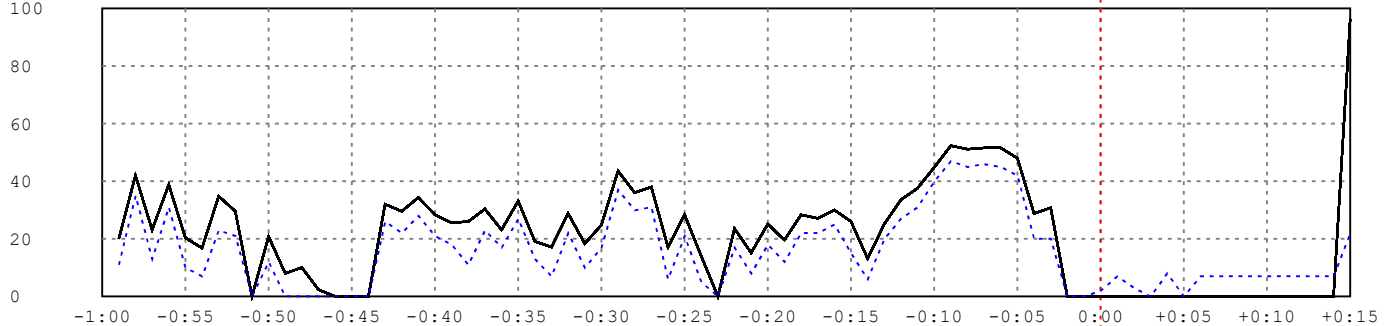
### Vehicle Speed (mph)



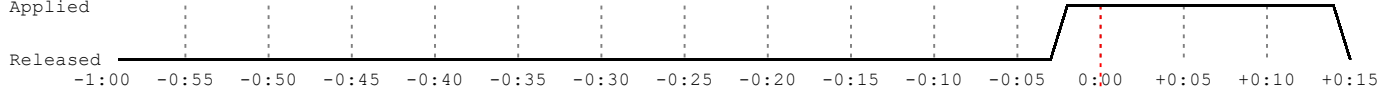
### Engine RPM



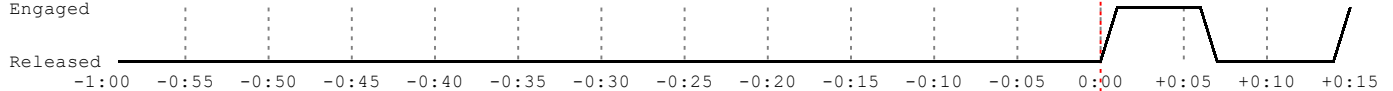
### Percent



### Brake



### Clutch



# DDEC® Reports - Hard Brake

# #1

Print Date: 1/16/2020 11:06 AM  
 Pennsylvania State Police - CARS Unit

Trip: 07/28/19 08:12:01 To 01/16/20 (EST)  
 Vehicle ID: KB7773  
 Driver ID:  
 Odometer: 461175.7 mi  
 Engine S/N: 472910S0537541

Trip Distance	461175.7 mi	Trip Time	9360:56:46
Trip Fuel	64247.90 gal	Fuel Consumption	6.86 gal/h
Fuel Economy	7.18 mpg	Idle Time	1473:31:08
Avg Drive Load	53 %	Idle Percent	15.74 %
Avg Vehicle Speed	58.5 mph	Idle Fuel	1039.40 gal
		Parked Regen Time	-

Incident Time: 1/5/2020 3:32:37 AM (EST) Incident Odometer: 461175.7 mi

Time	Vehicle Speed (mph)	Engine Speed (rpm)	Brake	Clutch	Engine Load (%)	Throttle (%)	Cruise	Diag. Code
-0:59	46.5	1320	No	No	0.00	0.00	No	No
-0:58	46.5	1324	No	No	0.00	0.00	No	No
-0:57	46.5	1328	No	No	0.00	0.00	No	No
-0:56	47.0	1335	No	No	0.00	0.00	No	No
-0:55	47.0	1338	No	No	0.00	0.00	No	No
-0:54	47.5	1346	No	No	0.00	0.00	No	No
-0:53	47.5	1355	No	No	0.00	0.00	No	No
-0:52	47.5	1358	No	No	0.00	0.00	No	No
-0:51	48.0	1364	No	No	0.00	0.00	No	No
-0:50	48.0	1370	No	No	0.00	0.00	No	No
-0:49	48.5	1379	No	No	0.00	0.00	No	No
-0:48	48.5	1388	No	No	0.00	0.00	No	No
-0:47	49.0	1395	No	No	0.00	0.00	No	No
-0:46	49.0	1398	Yes	No	0.00	0.00	No	No
-0:45	48.5	1383	Yes	No	0.00	0.00	No	No
-0:44	48.0	1374	Yes	No	0.00	0.00	No	No
-0:43	48.0	1372	No	No	0.00	0.00	No	No
-0:42	48.0	1328	No	Yes	0.00	0.00	No	No
-0:41	48.5	1049	No	Yes	3.00	0.00	No	No
-0:40	48.5	1071	No	Yes	0.00	0.00	No	No
-0:39	49.0	1076	No	No	0.00	8.40	No	No
-0:38	49.0	1096	No	No	18.00	27.60	No	No
-0:37	49.5	1088	No	No	16.00	24.40	No	No
-0:36	49.5	1098	No	No	5.00	14.80	No	No
-0:35	50.0	1115	No	No	13.00	23.20	No	No
-0:34	50.5	1109	No	No	21.00	30.00	No	No
-0:33	50.5	1117	No	No	23.00	32.40	No	No
-0:32	51.0	1128	No	No	23.00	32.00	No	No
-0:31	51.5	1134	No	No	23.00	32.80	No	No
-0:30	52.0	1146	No	No	21.00	30.00	No	No
-0:29	52.0	1152	No	No	0.00	11.20	No	No
-0:28	52.5	1158	No	No	0.00	7.60	No	No
-0:27	52.5	1162	No	No	0.00	8.40	No	No
-0:26	53.0	1169	No	No	2.00	14.40	No	No
-0:25	53.0	1171	No	No	3.00	16.00	No	No
-0:24	53.5	1180	No	No	0.00	6.00	No	No
-0:23	53.5	1182	No	No	0.00	0.00	No	No
-0:22	54.0	1187	No	No	0.00	0.00	No	No
-0:21	54.0	1192	No	No	0.00	0.00	No	No
-0:20	54.0	1191	Yes	No	0.00	0.00	No	No

# DDEC® Reports - Hard Brake

# #1

Print Date: 1/16/2020 11:06 AM  
 Pennsylvania State Police - CARS Unit

Trip: 07/28/19 08:12:01 To 01/16/20 (EST)  
 Vehicle ID: KB7773  
 Driver ID:  
 Odometer: 461175.7 mi  
 Engine S/N: 472910S0537541

Incident Time: 1/5/2020 3:32:37 AM (EST) Incident Odometer: 461175.7 mi

Time	Vehicle Speed (mph)	Engine Speed (rpm)	Brake	Clutch	Engine Load (%)	Throttle (%)	Cruise	Diag. Code
-0:19	53.5	1186	Yes	No	0.00	0.00	No	No
-0:18	53.0	1164	Yes	No	0.00	0.00	No	No
-0:17	52.0	1145	Yes	No	0.00	0.00	No	No
-0:16	51.5	1135	Yes	No	0.00	0.00	No	No
-0:15	51.5	1134	No	No	0.00	0.00	No	No
-0:14	51.5	1133	No	No	0.00	0.00	No	No
-0:13	51.5	1133	No	No	0.00	0.00	No	No
-0:12	51.5	1133	No	No	0.00	0.00	No	No
-0:11	51.5	1133	No	No	0.00	0.00	No	No
-0:10	51.5	1132	No	No	0.00	0.00	No	No
-0:09	51.0	1131	No	No	0.00	0.00	No	No
-0:08	51.5	1131	No	No	0.00	0.00	No	No
-0:07	51.5	1132	No	No	0.00	0.00	No	No
-0:06	51.5	1133	No	No	0.00	0.00	No	No
-0:05	51.5	1132	No	No	0.00	0.00	No	No
-0:04	51.5	1136	No	No	0.00	0.00	No	No
-0:03	51.5	1139	No	No	0.00	0.00	No	No
-0:02	51.5	1142	No	No	0.00	0.00	No	No
-0:01	45.5	868	Yes	Yes	0.00	0.00	No	No
0:00	39.5	583	Yes	No	5.00	0.00	No	No
+0:01	34.0	557	Yes	No	10.00	0.00	No	No
+0:02	26.5	558	Yes	No	13.00	0.00	No	No
+0:03	20.0	558	Yes	No	15.00	0.00	No	No
+0:04	10.0	593	Yes	No	32.00	0.00	No	No
+0:05	2.5	574	Yes	No	16.00	0.00	No	No
+0:06	0.0	564	Yes	No	17.00	0.00	No	No
+0:07	0.0	557	Yes	No	18.00	0.00	No	No
+0:08	2.5	564	Yes	Yes	11.00	0.00	No	No
+0:09	5.0	900	No	Yes	0.00	0.00	No	No
+0:10	3.5	929	No	Yes	0.00	0.00	No	No
+0:11	2.0	566	No	Yes	17.00	0.00	No	No
+0:12	0.5	565	No	Yes	12.00	0.00	No	No
+0:13	0.0	566	No	No	13.00	0.00	No	No
+0:14	0.0	563	No	No	13.00	0.00	No	No
+0:15	0.0	559	No	No	15.00	0.00	No	No

# DDEC® Reports - Hard Brake

# #2

Print Date: 1/16/2020 11:06 AM  
 Pennsylvania State Police - CARS Unit

Trip: 07/28/19 08:12:01 To 01/16/20 (EST)  
 Vehicle ID: KB7773  
 Driver ID:  
 Odometer: 461175.7 mi  
 Engine S/N: 472910S0537541

Trip Distance	461175.7 mi	Trip Time	9360:56:46
Trip Fuel	64247.90 gal	Fuel Consumption	6.86 gal/h
Fuel Economy	7.18 mpg	Idle Time	1473:31:08
Avg Drive Load	53 %	Idle Percent	15.74 %
Avg Vehicle Speed	58.5 mph	Idle Fuel	1039.40 gal
		Parked Regen Time	-

Incident Time: 1/1/2020 1:58:02 AM (EST) Incident Odometer: 457966.6 mi

Time	Vehicle Speed (mph)	Engine Speed (rpm)	Brake	Clutch	Engine Load (%)	Throttle (%)	Cruise	Diag. Code
-0:59	38.0	1088	No	No	11.00	20.00	No	No
-0:58	38.5	1104	No	No	35.00	42.00	No	No
-0:57	38.5	1102	No	No	13.00	23.20	No	No
-0:56	39.0	1115	No	No	31.00	38.80	No	No
-0:55	39.0	1093	No	No	10.00	20.40	No	No
-0:54	38.5	1096	No	No	7.00	16.80	No	No
-0:53	38.0	1117	No	No	23.00	34.80	No	No
-0:52	38.5	1100	No	No	21.00	29.60	No	No
-0:51	38.5	1103	No	No	0.00	0.00	No	No
-0:50	38.0	1091	No	No	12.00	20.80	No	No
-0:49	37.5	1079	No	No	0.00	8.00	No	No
-0:48	37.0	1060	No	No	0.00	10.00	No	No
-0:47	36.0	1003	No	No	0.00	2.40	No	No
-0:46	35.5	1015	No	No	0.00	0.00	No	No
-0:45	35.0	999	No	No	0.00	0.00	No	No
-0:44	34.5	981	No	No	0.00	0.00	No	No
-0:43	34.5	971	No	No	26.00	32.00	No	No
-0:42	35.0	993	No	No	22.00	29.60	No	No
-0:41	35.0	1004	No	No	28.00	34.40	No	No
-0:40	35.5	1011	No	No	21.00	28.40	No	No
-0:39	35.5	1015	No	No	18.00	25.60	No	No
-0:38	35.5	1011	No	No	11.00	26.00	No	No
-0:37	36.0	1022	No	No	23.00	30.40	No	No
-0:36	36.0	1041	No	No	17.00	23.20	No	No
-0:35	36.0	1035	No	No	27.00	33.20	No	No
-0:34	36.5	1057	No	No	13.00	19.20	No	No
-0:33	35.5	1022	No	No	7.00	17.20	No	No
-0:32	36.0	1033	No	No	22.00	28.80	No	No
-0:31	35.5	1020	No	No	10.00	18.40	No	No
-0:30	35.5	1018	No	No	17.00	24.80	No	No
-0:29	36.0	1030	No	No	37.00	43.60	No	No
-0:28	37.0	1054	No	No	30.00	36.00	No	No
-0:27	37.5	1071	No	No	31.00	38.00	No	No
-0:26	37.0	1056	No	No	6.00	17.20	No	No
-0:25	37.0	1056	No	No	21.00	28.40	No	No
-0:24	36.5	1032	No	No	5.00	14.00	No	No
-0:23	36.0	1025	No	No	0.00	0.00	No	No
-0:22	35.0	1003	No	No	17.00	23.60	No	No
-0:21	34.5	998	No	No	8.00	15.20	No	No
-0:20	34.0	982	No	No	18.00	25.20	No	No

# DDEC® Reports - Hard Brake

# #2

Print Date: 1/16/2020 11:06 AM  
 Pennsylvania State Police - CARS Unit

Trip: 07/28/19 08:12:01 To 01/16/20 (EST)  
 Vehicle ID: KB7773  
 Driver ID:  
 Odometer: 461175.7 mi  
 Engine S/N: 472910S0537541

Incident Time: 1/1/2020 1:58:02 AM (EST)

Incident Odometer: 457966.6 mi

Time	Vehicle Speed (mph)	Engine Speed (rpm)	Brake	Clutch	Engine Load (%)	Throttle (%)	Cruise	Diag. Code
-0:19	33.5	960	No	No	12.00	19.60	No	No
-0:18	33.5	964	No	No	22.00	28.40	No	No
-0:17	34.0	966	No	No	22.00	27.20	No	No
-0:16	34.0	968	No	No	25.00	30.00	No	No
-0:15	33.5	968	No	No	15.00	26.00	No	No
-0:14	33.5	960	No	No	6.00	13.20	No	No
-0:13	33.5	955	No	No	20.00	25.20	No	No
-0:12	33.5	960	No	No	27.00	33.60	No	No
-0:11	34.0	974	No	No	31.00	37.60	No	No
-0:10	35.0	1000	No	No	40.00	44.80	No	No
-0:09	36.0	1031	No	No	47.00	52.40	No	No
-0:08	37.0	1060	No	No	45.00	51.20	No	No
-0:07	38.0	1090	No	No	46.00	51.60	No	No
-0:06	39.0	1118	No	No	45.00	51.60	No	No
-0:05	40.0	1147	No	No	42.00	48.00	No	No
-0:04	40.5	1161	No	No	20.00	28.80	No	No
-0:03	41.0	1167	No	No	20.00	30.80	No	No
-0:02	39.5	1113	Yes	No	0.00	0.00	No	No
-0:01	35.0	996	Yes	No	0.00	0.00	No	No
0:00	30.5	872	Yes	No	2.00	0.00	No	No
+0:01	23.5	1038	Yes	Yes	7.00	0.00	No	No
+0:02	19.5	875	Yes	Yes	3.00	0.00	No	No
+0:03	12.5	742	Yes	Yes	0.00	0.00	No	No
+0:04	10.0	557	Yes	Yes	8.00	0.00	No	No
+0:05	6.0	722	Yes	Yes	0.00	0.00	No	No
+0:06	4.0	558	Yes	Yes	7.00	0.00	No	No
+0:07	2.0	563	Yes	No	7.00	0.00	No	No
+0:08	0.5	561	Yes	No	7.00	0.00	No	No
+0:09	0.0	560	Yes	No	7.00	0.00	No	No
+0:10	0.0	560	Yes	No	7.00	0.00	No	No
+0:11	0.0	561	Yes	No	7.00	0.00	No	No
+0:12	0.0	560	Yes	No	7.00	0.00	No	No
+0:13	0.0	560	Yes	No	7.00	0.00	No	No
+0:14	0.0	561	Yes	No	7.00	0.00	No	No
+0:15	0.0	527	No	Yes	22.00	96.40	No	No

# DDEC® Reports - Last Stop Record

Print Date: 1/16/2020 11:06 AM  
 Pennsylvania State Police - CARS Unit

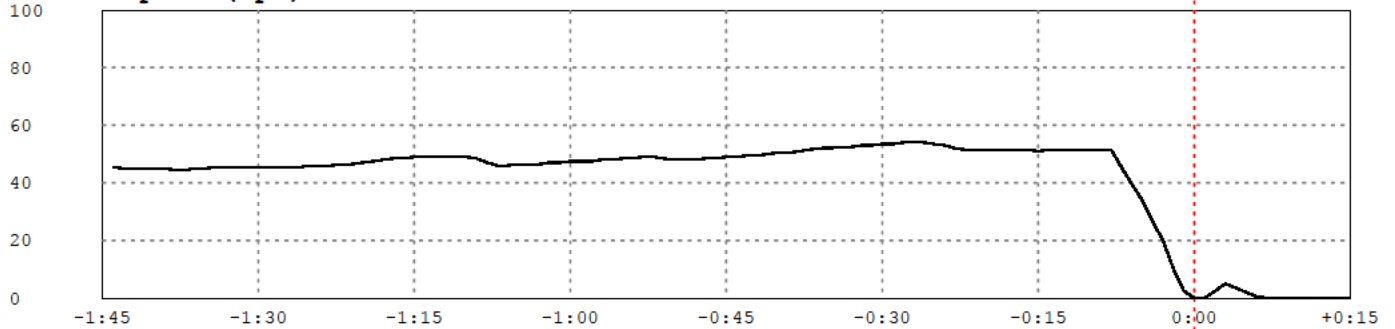
Trip: 07/28/19 08:12:01 To 01/16/20 (EST)  
 Vehicle ID: KB7773  
 Driver ID:  
 Odometer: 461175.7 mi  
 Engine S/N: 472910S0537541

Trip Distance	461175.7 mi	Trip Time	9360:56:46
Trip Fuel	64247.90 gal	Fuel Consumption	6.86 gal/h
Fuel Economy	7.18 mpg	Idle Time	1473:31:08
Avg Drive Load	53 %	Idle Percent	15.74 %
Avg Vehicle Speed	58.5 mph	Idle Fuel	1039.40 gal
		Parked Regen Time	-

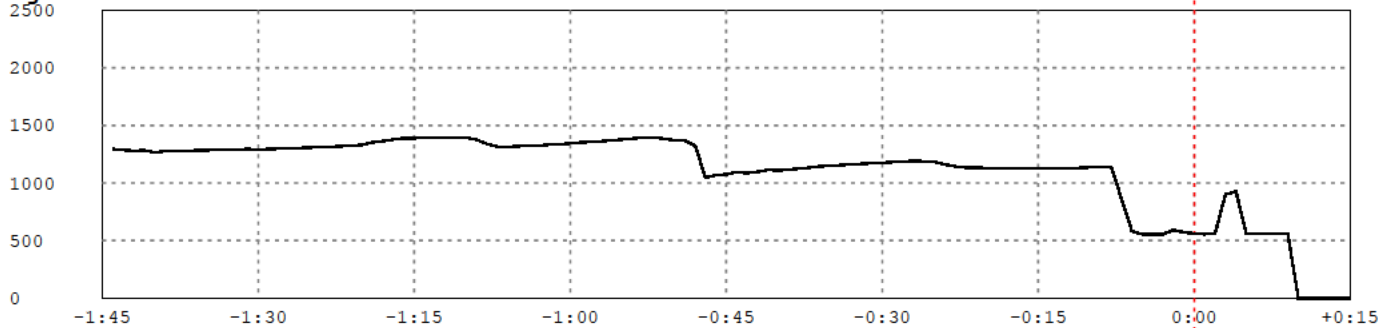
Last Stop Time: 01/05/20 3:32:37 (EST)

Last Stop Odometer: 461175.7 mi

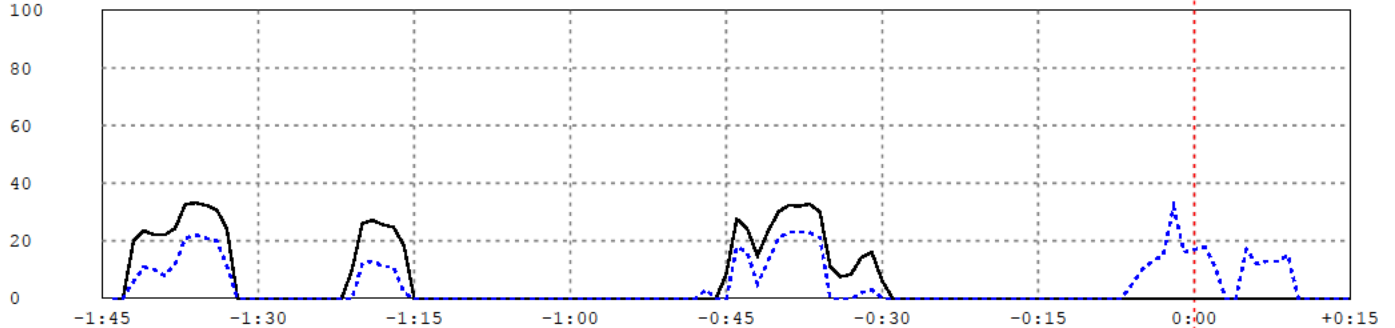
**Vehicle Speed (mph)**



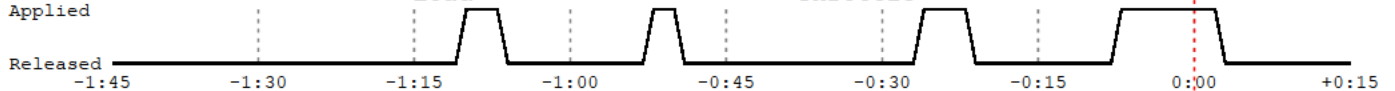
**Engine RPM**



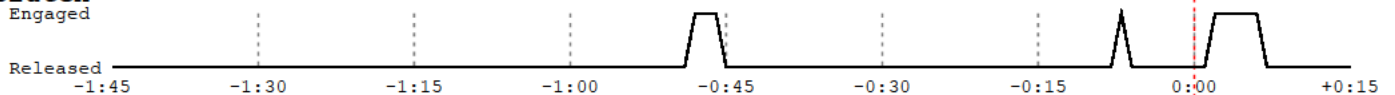
**Percent**



**Brake**



**Clutch**



# DDEC® Reports - Last Stop Record

Print Date: 1/16/2020 11:06 AM  
 Pennsylvania State Police - CARS Unit

Trip: 07/28/19 08:12:01 To 01/16/20 (EST)  
 Vehicle ID: KB7773  
 Driver ID:  
 Odometer: 461175.7 mi  
 Engine S/N: 472910S0537541

Trip Distance	461175.7 mi	Trip Time	9360:56:46
Trip Fuel	64247.90 gal	Fuel Consumption	6.86 gal/h
Fuel Economy	7.18 mpg	Idle Time	1473:31:08
Avg Drive Load	53 %	Idle Percent	15.74 %
Avg Vehicle Speed	58.5 mph	Idle Fuel	1039.40 gal
		Parked Regen Time	-

Last Stop Time: 1/5/2020 3:32:37 AM (EST)      Last Stop Odometer: 461175.7 mi

Time	Vehicle Speed (mph)	Engine Speed (rpm)	Brake	Clutch	Engine Load (%)	Throttle (%)	Cruise	Diag. Code
-1:44	45.5	1297	No	No	0.00	0.00	No	No
-1:43	45.0	1287	No	No	0.00	0.00	No	No
-1:42	45.0	1283	No	No	6.00	20.00	No	No
-1:41	45.0	1284	No	No	11.00	23.60	No	No
-1:40	45.0	1268	No	No	10.00	22.00	No	No
-1:39	45.0	1275	No	No	8.00	22.00	No	No
-1:38	44.5	1277	No	No	12.00	24.40	No	No
-1:37	44.5	1275	No	No	21.00	32.80	No	No
-1:36	45.0	1284	No	No	22.00	33.20	No	No
-1:35	45.0	1284	No	No	21.00	32.40	No	No
-1:34	45.5	1291	No	No	20.00	30.80	No	No
-1:33	45.5	1291	No	No	11.00	24.00	No	No
-1:32	45.5	1292	No	No	0.00	0.00	No	No
-1:31	45.5	1295	No	No	0.00	0.00	No	No
-1:30	45.5	1292	No	No	0.00	0.00	No	No
-1:29	45.5	1295	No	No	0.00	0.00	No	No
-1:28	45.5	1299	No	No	0.00	0.00	No	No
-1:27	45.5	1300	No	No	0.00	0.00	No	No
-1:26	45.5	1307	No	No	0.00	0.00	No	No
-1:25	46.0	1309	No	No	0.00	0.00	No	No
-1:24	46.0	1313	No	No	0.00	0.00	No	No
-1:23	46.0	1314	No	No	0.00	0.00	No	No
-1:22	46.5	1321	No	No	0.00	0.00	No	No
-1:21	46.5	1328	No	No	0.00	9.60	No	No
-1:20	47.0	1333	No	No	12.00	26.00	No	No
-1:19	47.5	1355	No	No	13.00	27.20	No	No
-1:18	48.0	1366	No	No	11.00	25.60	No	No
-1:17	48.5	1380	No	No	11.00	24.80	No	No
-1:16	48.5	1389	No	No	2.00	18.40	No	No
-1:15	49.0	1391	No	No	0.00	0.00	No	No
-1:14	49.0	1392	No	No	0.00	0.00	No	No
-1:13	49.0	1395	No	No	0.00	0.00	No	No
-1:12	49.0	1396	No	No	0.00	0.00	No	No
-1:11	49.0	1396	No	No	0.00	0.00	No	No
-1:10	49.0	1395	Yes	No	0.00	0.00	No	No
-1:09	48.5	1375	Yes	No	0.00	0.00	No	No
-1:08	47.0	1341	Yes	No	0.00	0.00	No	No
-1:07	46.0	1317	Yes	No	0.00	0.00	No	No
-1:06	46.0	1315	No	No	0.00	0.00	No	No
-1:05	46.5	1320	No	No	0.00	0.00	No	No

# DDEC® Reports - Last Stop Record

Print Date: 1/16/2020 11:06 AM  
 Pennsylvania State Police - CARS Unit

Trip: 07/28/19 08:12:01 To 01/16/20 (EST)  
 Vehicle ID: KB7773  
 Driver ID:  
 Odometer: 461175.7 mi  
 Engine S/N: 472910S0537541

Last Stop Time: 1/5/2020 3:32:37 AM (EST)      Last Stop Odometer: 461175.7 mi

Time	Vehicle Speed (mph)	Engine Speed (rpm)	Brake	Clutch	Engine Load (%)	Throttle (%)	Cruise	Diag. Code
-1:04	46.5	1324	No	No	0.00	0.00	No	No
-1:03	46.5	1328	No	No	0.00	0.00	No	No
-1:02	47.0	1335	No	No	0.00	0.00	No	No
-1:01	47.0	1338	No	No	0.00	0.00	No	No
-1:00	47.5	1346	No	No	0.00	0.00	No	No
-0:59	47.5	1355	No	No	0.00	0.00	No	No
-0:58	47.5	1358	No	No	0.00	0.00	No	No
-0:57	48.0	1364	No	No	0.00	0.00	No	No
-0:56	48.0	1370	No	No	0.00	0.00	No	No
-0:55	48.5	1379	No	No	0.00	0.00	No	No
-0:54	48.5	1388	No	No	0.00	0.00	No	No
-0:53	49.0	1395	No	No	0.00	0.00	No	No
-0:52	49.0	1398	Yes	No	0.00	0.00	No	No
-0:51	48.5	1383	Yes	No	0.00	0.00	No	No
-0:50	48.0	1374	Yes	No	0.00	0.00	No	No
-0:49	48.0	1372	No	No	0.00	0.00	No	No
-0:48	48.0	1328	No	Yes	0.00	0.00	No	No
-0:47	48.5	1049	No	Yes	3.00	0.00	No	No
-0:46	48.5	1071	No	Yes	0.00	0.00	No	No
-0:45	49.0	1076	No	No	0.00	8.40	No	No
-0:44	49.0	1096	No	No	18.00	27.60	No	No
-0:43	49.5	1088	No	No	16.00	24.40	No	No
-0:42	49.5	1098	No	No	5.00	14.80	No	No
-0:41	50.0	1115	No	No	13.00	23.20	No	No
-0:40	50.5	1109	No	No	21.00	30.00	No	No
-0:39	50.5	1117	No	No	23.00	32.40	No	No
-0:38	51.0	1128	No	No	23.00	32.00	No	No
-0:37	51.5	1134	No	No	23.00	32.80	No	No
-0:36	52.0	1146	No	No	21.00	30.00	No	No
-0:35	52.0	1152	No	No	0.00	11.20	No	No
-0:34	52.5	1158	No	No	0.00	7.60	No	No
-0:33	52.5	1162	No	No	0.00	8.40	No	No
-0:32	53.0	1169	No	No	2.00	14.40	No	No
-0:31	53.0	1171	No	No	3.00	16.00	No	No
-0:30	53.5	1180	No	No	0.00	6.00	No	No
-0:29	53.5	1182	No	No	0.00	0.00	No	No
-0:28	54.0	1187	No	No	0.00	0.00	No	No
-0:27	54.0	1192	No	No	0.00	0.00	No	No
-0:26	54.0	1191	Yes	No	0.00	0.00	No	No
-0:25	53.5	1186	Yes	No	0.00	0.00	No	No



# DDEC® Reports - Last Stop Record

Print Date: 1/16/2020 11:06 AM  
 Pennsylvania State Police - CARS Unit

Trip: 07/28/19 08:12:01 To 01/16/20 (EST)  
 Vehicle ID: KB7773  
 Driver ID:  
 Odometer: 461175.7 mi  
 Engine S/N: 472910S0537541

Last Stop Time: 1/5/2020 3:32:37 AM (EST)      Last Stop Odometer: 461175.7 mi

Time	Vehicle Speed (mph)	Engine Speed (rpm)	Brake	Clutch	Engine Load (%)	Throttle (%)	Cruise	Diag. Code
-0:24	53.0	1164	Yes	No	0.00	0.00	No	No
-0:23	52.0	1145	Yes	No	0.00	0.00	No	No
-0:22	51.5	1135	Yes	No	0.00	0.00	No	No
-0:21	51.5	1134	No	No	0.00	0.00	No	No
-0:20	51.5	1133	No	No	0.00	0.00	No	No
-0:19	51.5	1133	No	No	0.00	0.00	No	No
-0:18	51.5	1133	No	No	0.00	0.00	No	No
-0:17	51.5	1133	No	No	0.00	0.00	No	No
-0:16	51.5	1132	No	No	0.00	0.00	No	No
-0:15	51.0	1131	No	No	0.00	0.00	No	No
-0:14	51.5	1131	No	No	0.00	0.00	No	No
-0:13	51.5	1132	No	No	0.00	0.00	No	No
-0:12	51.5	1133	No	No	0.00	0.00	No	No
-0:11	51.5	1132	No	No	0.00	0.00	No	No
-0:10	51.5	1136	No	No	0.00	0.00	No	No
-0:09	51.5	1139	No	No	0.00	0.00	No	No
-0:08	51.5	1142	No	No	0.00	0.00	No	No
-0:07	45.5	868	Yes	Yes	0.00	0.00	No	No
-0:06	39.5	583	Yes	No	5.00	0.00	No	No
-0:05	34.0	557	Yes	No	10.00	0.00	No	No
-0:04	26.5	558	Yes	No	13.00	0.00	No	No
-0:03	20.0	558	Yes	No	15.00	0.00	No	No
-0:02	10.0	593	Yes	No	32.00	0.00	No	No
-0:01	2.5	574	Yes	No	16.00	0.00	No	No
0:00	0.0	564	Yes	No	17.00	0.00	No	No
+0:01	0.0	557	Yes	No	18.00	0.00	No	No
+0:02	2.5	564	Yes	Yes	11.00	0.00	No	No
+0:03	5.0	900	No	Yes	0.00	0.00	No	No
+0:04	3.5	929	No	Yes	0.00	0.00	No	No
+0:05	2.0	566	No	Yes	17.00	0.00	No	No
+0:06	0.5	565	No	Yes	12.00	0.00	No	No
+0:07	0.0	566	No	No	13.00	0.00	No	No
+0:08	0.0	563	No	No	13.00	0.00	No	No
+0:09	0.0	559	No	No	15.00	0.00	No	No
+0:10	0.0	0	No	No	0.00	0.00	No	No
+0:11	0.0	0	No	No	0.00	0.00	No	No
+0:12	0.0	0	No	No	0.00	0.00	No	No
+0:13	0.0	0	No	No	0.00	0.00	No	No
+0:14	0.0	0	No	No	0.00	0.00	No	No
+0:15	0.0	0	No	No	0.00	0.00	No	No

# DDEC® Reports - Diagnostic Records

# #1

File Name: 011620CARSAB.XTR  
 Print Date: 1/16/2020 11:06 AM

Trip: 07/28/19 08:12:01 To 01/16/20 (EST)  
 Vehicle ID: KB7773  
 Driver ID:  
 Odometer: 461175.7 mi  
 Engine S/N: 472910S0537541

Trip Distance	461175.7 mi	Trip Time	9360:56:46
Trip Fuel	64247.90 gal	Fuel Consumption	6.86 gal/h
Fuel Economy	7.18 mpg	Idle Time	1473:31:08
Avg Drive Load	53 %	Idle Percent	15.74 %
Avg Vehicle Speed	58.5 mph	Idle Fuel	1039.40 gal
		Parked Regen Time	-

**Notes:**

Not all faults that are displayed in Diagnostic Link (Fault Codes View) will be displayed here.  
 The diagnostic codes shown in DDEC Reports are a subset of all possible fault codes.

**Diag. Code:** [111/1] - Unknown Diagnostic Code  
**Diag. Time:** 1/16/2020 9:43:27 AM (EST)

Time	Vehicle Speed (mph)	Engine Speed (rpm)	Boost Press (psi)	Oil Press (psi)	Fuel Press (psi)
09:43:27	0.0	0	13.6	0.0	14.5
09:43:22	0.0	0	13.6	0.0	14.5
09:43:17	0.0	0	13.6	0.0	14.5
09:43:12	0.0	0	13.6	0.0	14.5
09:43:07	0.0	0	13.6	0.0	14.5
09:43:02	0.0	0	13.6	0.0	14.5
09:42:57	0.0	0	0.0	0.0	0.0
09:42:52	0.0	0	0.0	0.0	0.0
09:42:47	0.0	0	0.0	0.0	0.0
09:42:42	0.0	0	0.0	0.0	0.0
09:42:37	0.0	0	0.0	0.0	0.0
09:42:32	0.0	0	0.0	0.0	0.0

Time	Coolant Temp (°F)	Oil Temp (°F)	Fuel Temp (°F)	Engine Load (%)	Throttle (% throttle)
09:43:27	33.8	35.5	35.5	0.0	0.0
09:43:22	33.8	35.5	35.5	0.0	0.0
09:43:17	33.8	35.5	35.5	0.0	0.0
09:43:12	33.8	35.5	35.5	0.0	0.0
09:43:07	33.8	35.5	35.5	0.0	0.0
09:43:02	33.8	35.5	35.5	0.0	0.0
09:42:57	32.0	32.0	32.0	0.0	0.0
09:42:52	-	-	-	0.0	0.0
09:42:47	-	-	-	0.0	0.0
09:42:42	-	-	-	0.0	0.0
09:42:37	-	-	-	0.0	0.0
09:42:32	-	-	-	0.0	0.0

Time	Eng. Brake (cylinders)	Cruise	Accel Switch	Brake Switch	Clutch Switch
09:43:27	Off	No	No	No	No
09:43:22	Off	No	No	No	No
09:43:17	Off	No	No	No	No
09:43:12	Off	No	No	No	No
09:43:07	Off	No	No	No	No
09:43:02	Off	No	No	No	No
09:42:57	Off	No	No	No	No
09:42:52	Off	No	No	No	No
09:42:47	Off	No	No	No	No
09:42:42	Off	No	No	No	No
09:42:37	Off	No	No	No	No
09:42:32	Off	No	No	No	No

# DDEC® Reports - Transmission Trip

File Name: 011620CARSAB.XTR  
 Print Date: 1/16/2020 11:06 AM

Trip: 07/28/19 08:12:01 To 01/16/20 (EST)  
 Vehicle ID: KB7773  
 Driver ID:  
 Odometer: 461175.7 mi  
 Engine S/N: 472910S0537541

Trip Distance	461175.7 mi	Trip Time	9360:56:46
Trip Fuel	64247.90 gal	Fuel Consumption	6.86 gal/h
Fuel Economy	7.18 mpg	Idle Time	1473:31:08
Driving Economy	7.30 mpg	Idle Percent	15.74 %
Avg Drive Load	53 %	Idle Fuel	1039.40 gal
Avg Vehicle Speed	58.5 mph	Parked Regen Time	-

**Economy Mode 72.4 % in mode**

Time	6776:45:51
Distance	303615.4 mi
Fuel	43277.50 gal
Shift Count	268319
Kickdown Time	0:00:00
Kickdown Count	0
Suggestive Shift Count	8548

**Performance Mode 0.9 % in mode**

Time	80:46:37
Distance	4928.9 mi
Fuel	815.25 gal
Shift Count	2662
Kickdown Time	0:00:00
Kickdown Count	0
Suggestive Shift Count	728

**Manual Mode 26.7 % in mode**

Time	2503:24:18
Distance	152631.4 mi
Fuel	20145.25 gal
Shift Count	18085

**Launching**

Launch Count	15242
Coast Down Re-Engage Cnt	3051

**eCoast**

Total Time	264:37:05
Total Distance	16605.9 mi
Cruise Time	169:32:29
Cruise Percent	64.1 %
Cruise Distance	10838.6 mi
Accelerator Time	95:04:36
Accelerator Percent	35.9 %
Accelerator Distance	5767.3 mi

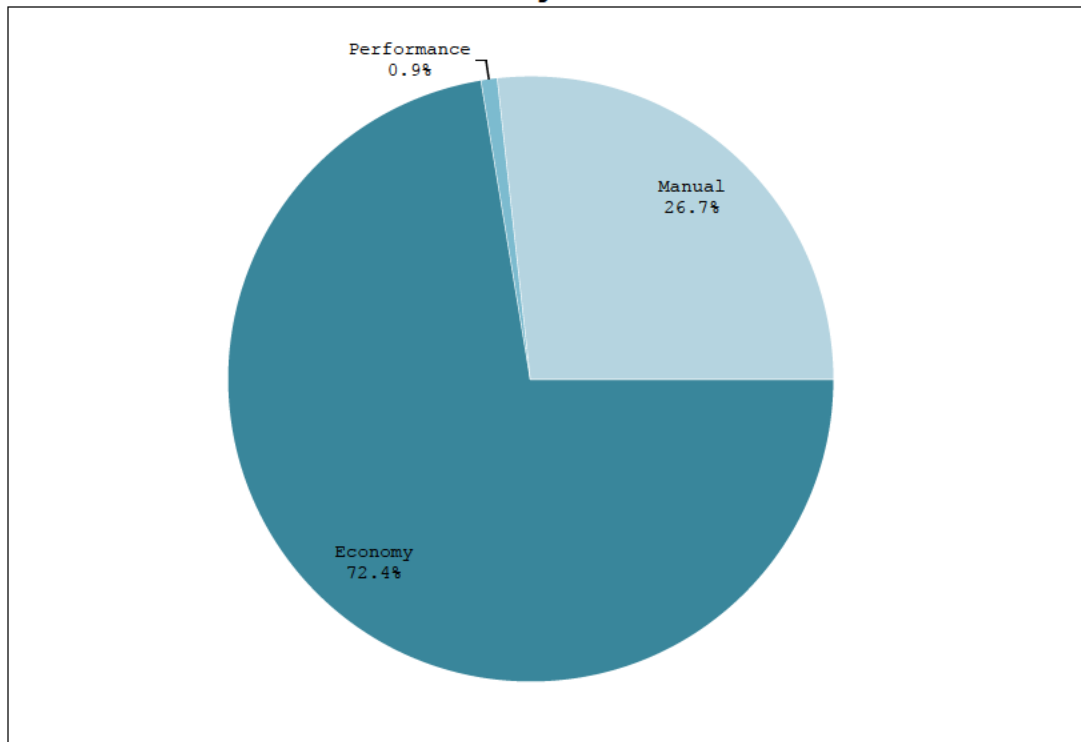
**Clutch Overload/Clutch Overtemp**

Overtemp Pre-Warn Count	11
Overtemp Warn Count	5
Warning	09/05/19 21:50 (EST)
Pre-Warn Time	0:00:00

**Creep Mode**

Creep Mode time	62:09:08
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**Time Percentage in Each Mode**

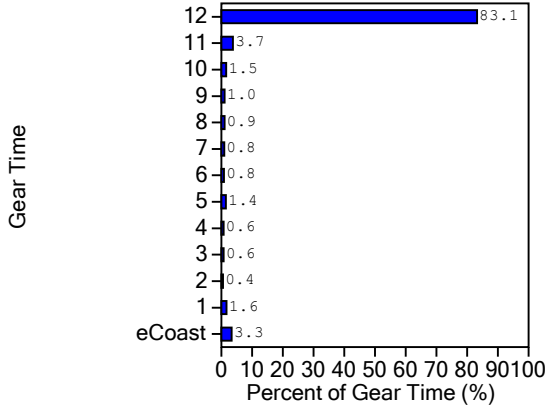


# DDEC® Reports - Transmission Trip

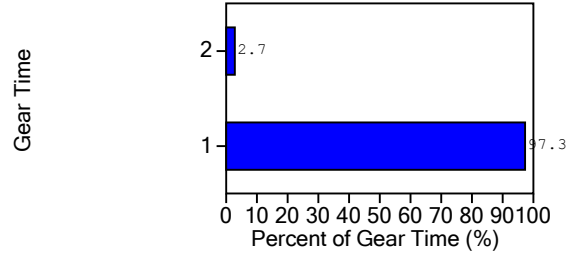
File Name: 011620CARSAB.XTR  
 Print Date: 1/16/2020 11:06 AM

Trip: 07/28/19 08:12:01 To 01/16/20 (EST)  
 Vehicle ID: KB7773  
 Driver ID:  
 Odometer: 461175.7 mi  
 Engine S/N: 472910S0537541

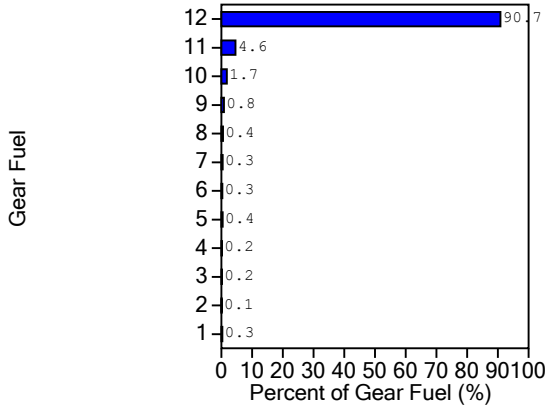
**Forward Gear Time Histogram**



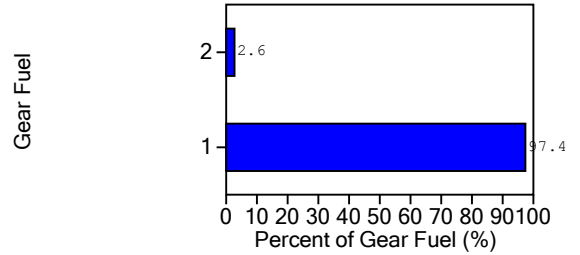
**Reverse Gear Time Histogram**



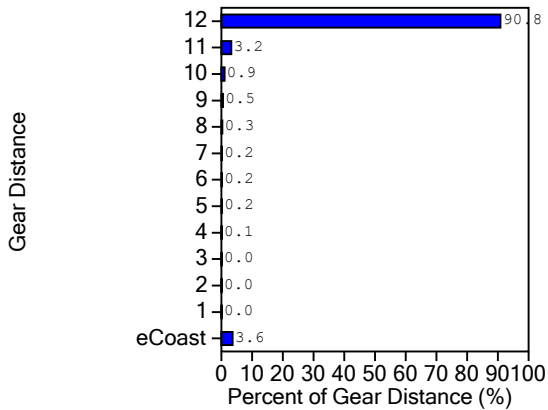
**Forward Gear Fuel Histogram**



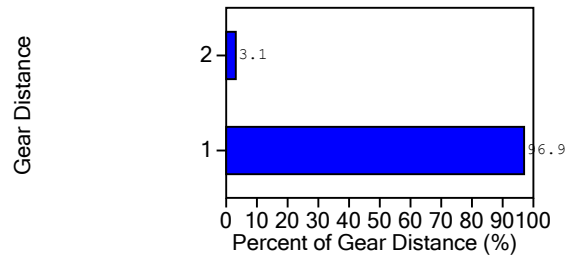
**Reverse Gear Fuel Histogram**



**Forward Gear Distance Histogram**



**Reverse Gear Distance Histogram**



# DDEC® Reports - Monthly Transmission Trip

Print Date: 1/16/2020 11:06 AM

Pennsylvania State Police - CARS Unit

Partial Month: January, 2020 (EST)  
 Vehicle ID: KB7773  
 Driver ID:  
 Odometer: 461175.7 mi  
 Engine S/N: 472910S0537541

Trip Distance	3251.6 mi	Trip Time	65:43:37
Trip Fuel	414.13 gal	Fuel Consumption	6.30 gal/h
Fuel Economy	7.85 mpg	Idle Time	10:04:05
Driving Economy	7.97 mpg	Idle Percent	15.32 %
Avg Drive Load	41 %	Idle Fuel	6.25 gal
Avg Vehicle Speed	58.4 mph	Parked Regen Time	-

**Economy Mode 94.2 % in mode**

Time	61:53:32
Distance	3044.3 mi
Fuel	382.50 gal
Shift Count	2003
Kickdown Time	0:00:00
Kickdown Count	0
Suggestive Shift Count	12

**Performance Mode 0.0 % in mode**

Time	0:00:00
Distance	0.0 mi
Fuel	0.00 gal
Shift Count	0
Kickdown Time	0:00:00
Kickdown Count	0
Suggestive Shift Count	0

**Manual Mode 5.8 % in mode**

Time	3:50:05
Distance	207.3 mi
Fuel	31.75 gal
Shift Count	64

**Launching**

Launch Count	105
Coast Down Re-Engage Cnt	19

**eCoast**

Total Time	4:22:16
Total Distance	267.9 mi
Cruise Time	2:53:22
Cruise Percent	66.1 %
Cruise Distance	180.8 mi
Accelerator Time	1:28:54
Accelerator Percent	33.9 %
Accelerator Distance	87.1 mi

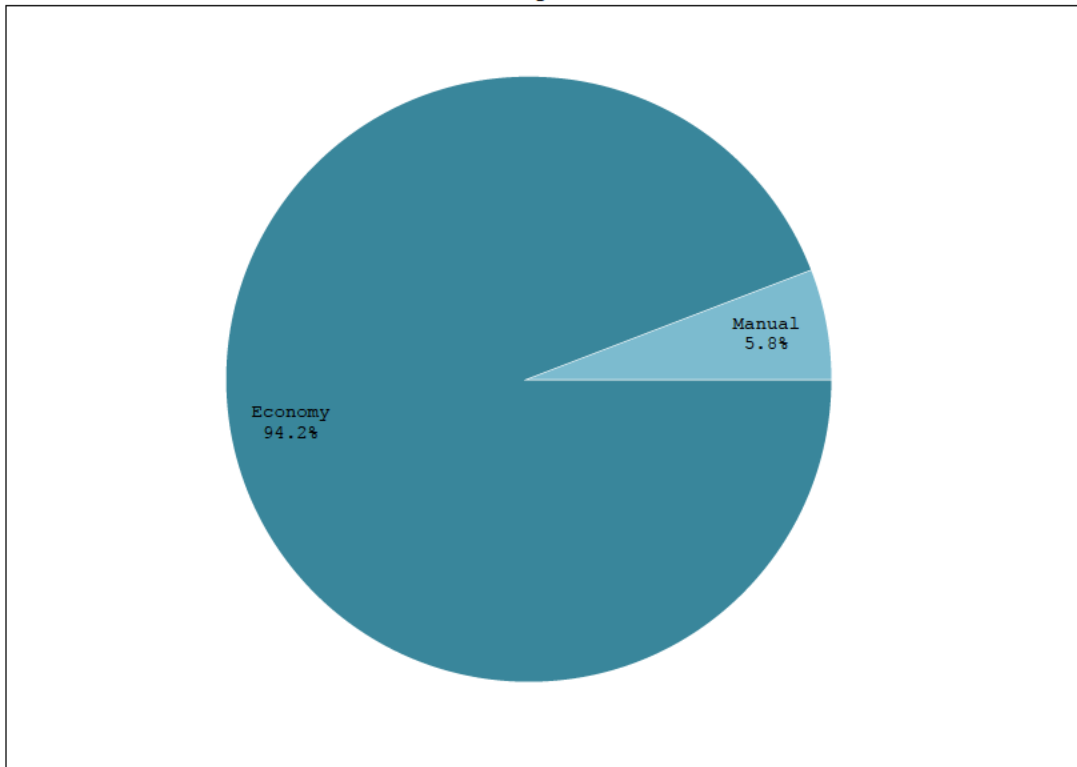
**Clutch Overload/Clutch Overtemp**

Overtemp Pre-Warn Count	0
Overtemp Warn Count	0
Warning	-
Pre-Warn Time	0:00:00

**Creep Mode**

Creep Mode time	0:23:09
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**Time Percentage in Each Mode**



# DDEC® Reports - Monthly Transmission Trip

Print Date: 1/16/2020 11:06 AM

Pennsylvania State Police - CARS Unit

Partial Month: January, 2020 (EST)

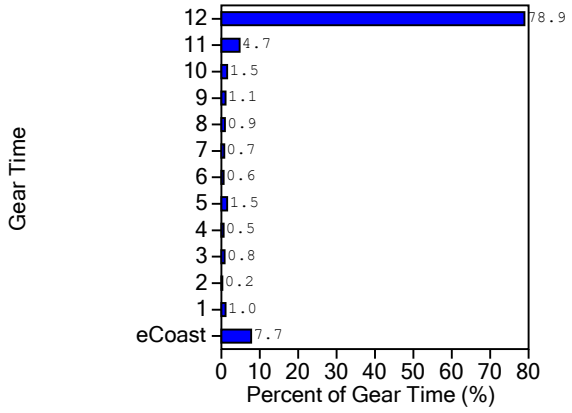
Vehicle ID: KB7773

Driver ID:

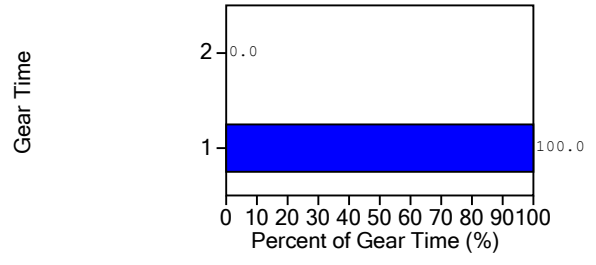
Odometer: 461175.7 mi

Engine S/N: 472910S0537541

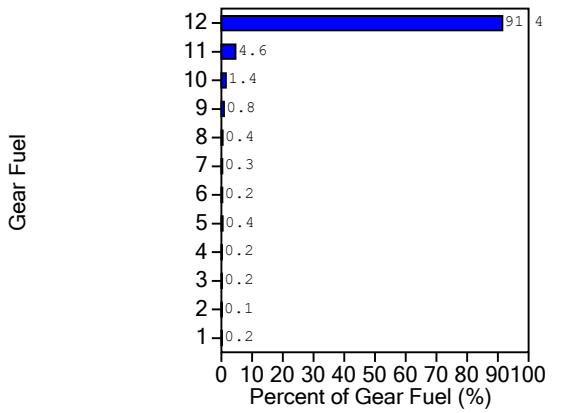
**Forward Gear Time Histogram**



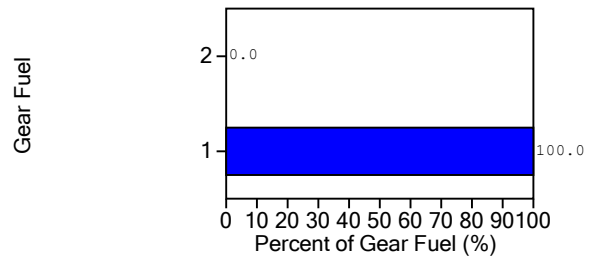
**Reverse Gear Time Histogram**



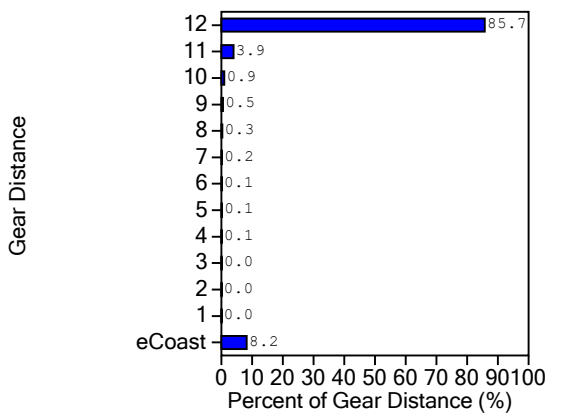
**Forward Gear Fuel Histogram**



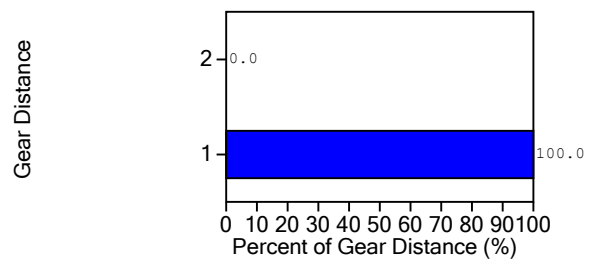
**Reverse Gear Fuel Histogram**



**Forward Gear Distance Histogram**



**Reverse Gear Distance Histogram**



# DDEC® Reports - Monthly Transmission Trip

Print Date: 1/16/2020 11:06 AM

Pennsylvania State Police - CARS Unit

Month: December, 2019 (EST)  
 Vehicle ID: KB7773  
 Driver ID:  
 Odometer: 461175.7 mi  
 Engine S/N: 472910S0537541

Trip Distance	6380.7 mi	Trip Time	148:06:14
Trip Fuel	860.88 gal	Fuel Consumption	5.81 gal/h
Fuel Economy	7.41 mpg	Idle Time	29:34:43
Driving Economy	7.58 mpg	Idle Percent	19.97 %
Avg Drive Load	41 %	Idle Fuel	19.63 gal
Avg Vehicle Speed	53.8 mph	Parked Regen Time	-

**Economy Mode 95.5 % in mode**

Time	141:22:30
Distance	6117.9 mi
Fuel	823.63 gal
Shift Count	6440
Kickdown Time	0:00:00
Kickdown Count	0
Suggestive Shift Count	162

**Performance Mode 0.0 % in mode**

Time	0:00:01
Distance	0.0 mi
Fuel	0.00 gal
Shift Count	0
Kickdown Time	0:00:00
Kickdown Count	0
Suggestive Shift Count	0

**Manual Mode 4.5 % in mode**

Time	6:43:43
Distance	262.8 mi
Fuel	37.25 gal
Shift Count	88

**Launching**

Launch Count	334
Coast Down Re-Engage Cnt	46

**eCoast**

Total Time	4:47:51
Total Distance	291.3 mi
Cruise Time	2:52:09
Cruise Percent	59.8 %
Cruise Distance	179.8 mi
Accelerator Time	1:55:42
Accelerator Percent	40.2 %
Accelerator Distance	111.5 mi

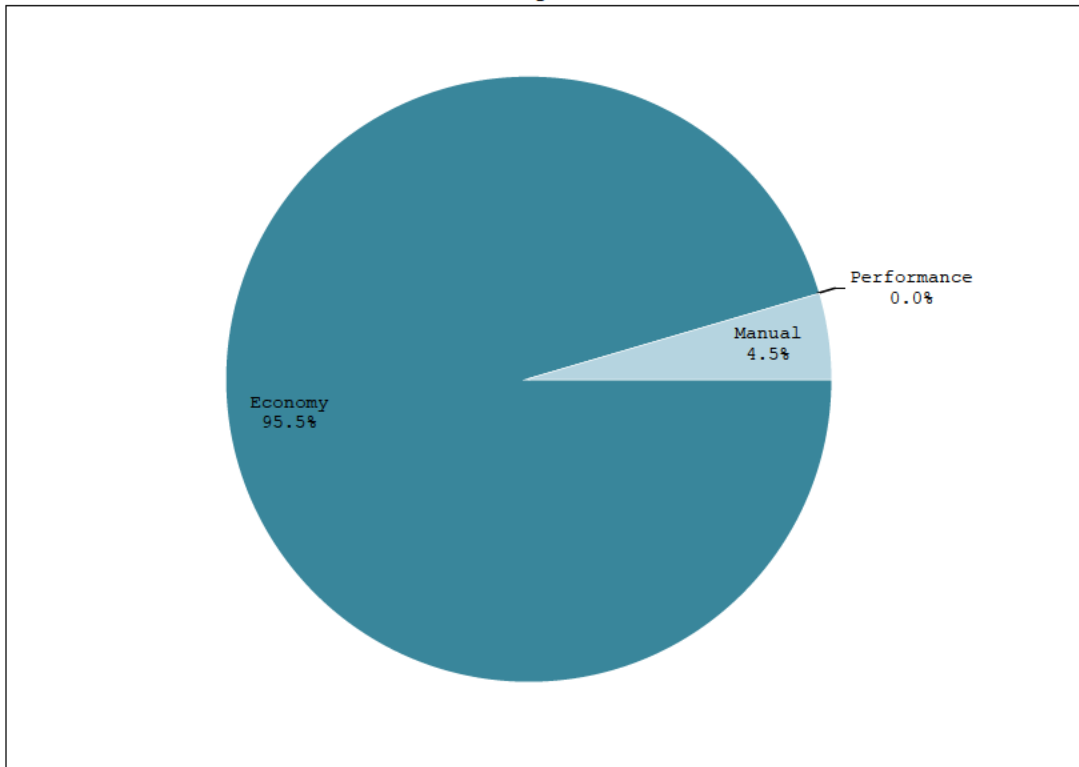
**Clutch Overload/Clutch Overtemp**

Overtemp Pre-Warn Count	0
Overtemp Warn Count	0
Warning	-
Pre-Warn Time	0:00:00

**Creep Mode**

Creep Mode time	1:42:46
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**Time Percentage in Each Mode**



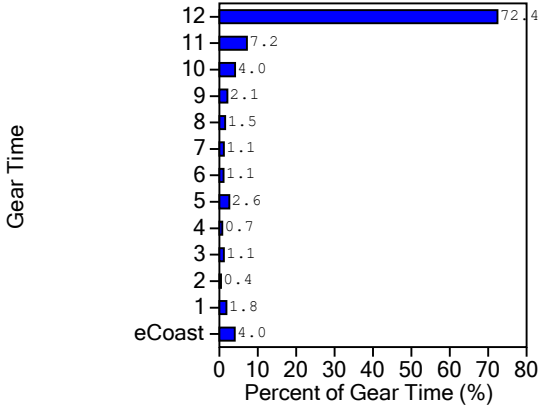
# DDEC® Reports - Monthly Transmission Trip

Print Date: 1/16/2020 11:06 AM

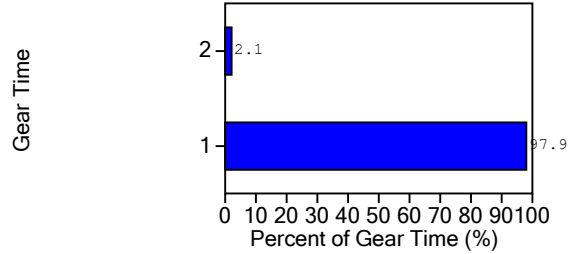
Pennsylvania State Police - CARS Unit

Month: December, 2019 (EST)  
 Vehicle ID: KB7773  
 Driver ID:  
 Odometer: 461175.7 mi  
 Engine S/N: 472910S0537541

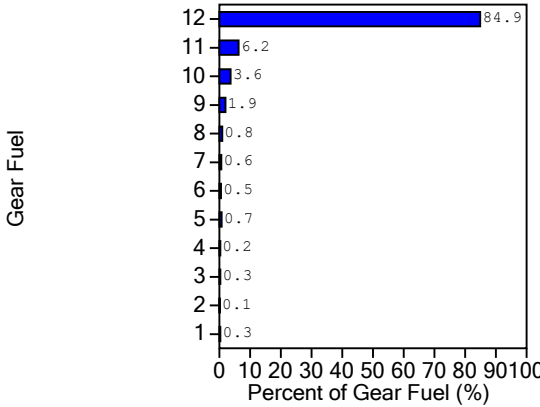
**Forward Gear Time Histogram**



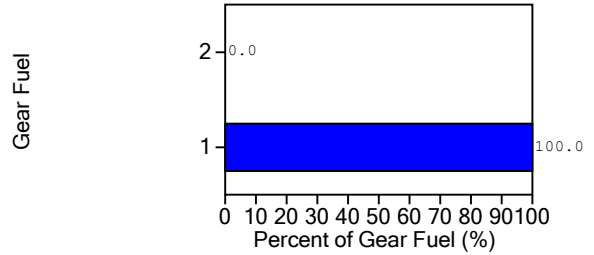
**Reverse Gear Time Histogram**



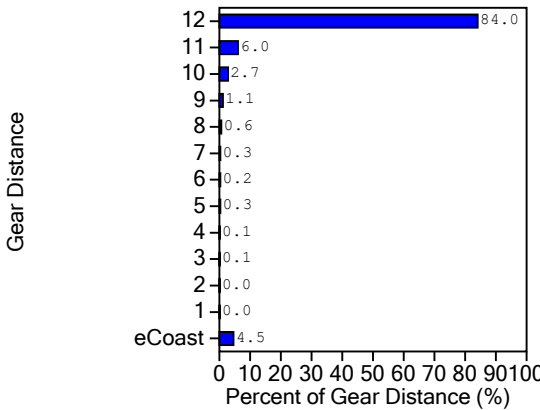
**Forward Gear Fuel Histogram**



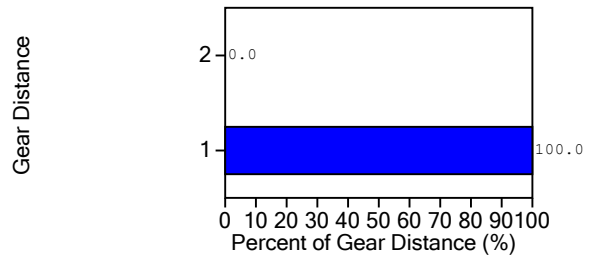
**Reverse Gear Fuel Histogram**



**Forward Gear Distance Histogram**



**Reverse Gear Distance Histogram**





# DDEC® Reports - Monthly Transmission Trip

Print Date: 1/16/2020 11:06 AM

Pennsylvania State Police - CARS Unit

Month: December, 2019 (EST)  
Vehicle ID: KB7773  
Driver ID:  
Odometer: 461175.7 mi  
Engine S/N: 472910S0537541

Trip Distance	0.0 mi	Trip Time	0:00:00
Trip Fuel	0.00 gal	Fuel Consumption	0.00 gal/h
Fuel Economy	0.00 mpg	Idle Time	0:00:00
Driving Economy	0.00 mpg	Idle Percent	0.00 %
Avg Drive Load	0 %	Idle Fuel	0.00 gal
Avg Vehicle Speed	0.0 mph	Parked Regen Time	-

**Economy Mode 0.0 % in mode**

Time 0:00:00  
Distance 0.0 mi  
Fuel 0.00 gal  
Shift Count 0  
Kickdown Time 0:00:00  
Kickdown Count 0  
Suggestive Shift Count 0

**Performance Mode 0.0 % in mode**

Time 0:00:00  
Distance 0.0 mi  
Fuel 0.00 gal  
Shift Count 0  
Kickdown Time 0:00:00  
Kickdown Count 0  
Suggestive Shift Count 0

**Manual Mode 0.0 % in mode**

Time 0:00:00  
Distance 0.0 mi  
Fuel 0.00 gal  
Shift Count 0

**Launching**

Launch Count 0  
Coast Down Re-Engage Cnt 0

**eCoast**

Total Time 0:00:00  
Total Distance 0.0 mi  
Cruise Time 0:00:00  
Cruise Percent 0.0 %  
Cruise Distance 0.0 mi  
Accelerator Time 0:00:00  
Accelerator Percent 0.0 %  
Accelerator Distance 0.0 mi

**Clutch Overload/Clutch Overtemp**

Overtemp Pre-Warn Count 0  
Overtemp Warn Count 0  
Warning -  
Pre-Warn Time 0:00:00

**Creep Mode**

Creep Mode time 0:00:00

**Time Percentage in Each Mode**

The Data is invalid.

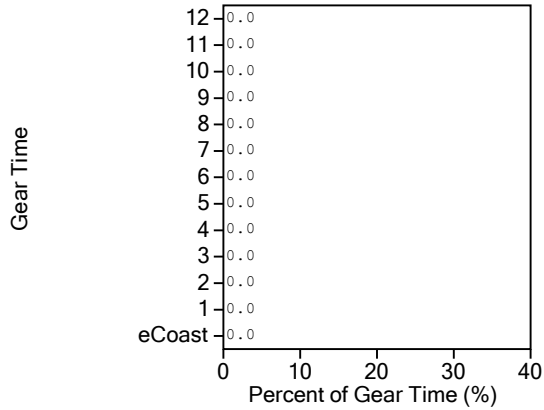
# DDEC® Reports - Monthly Transmission Trip

Print Date: 1/16/2020 11:06 AM

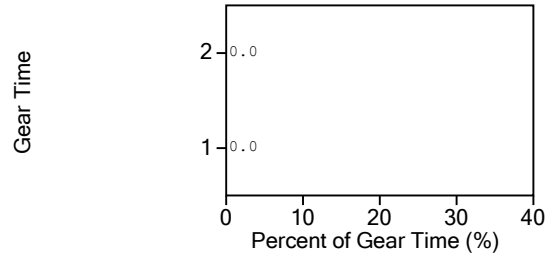
Pennsylvania State Police - CARS Unit

Month: December, 2019 (EST)  
Vehicle ID: KB7773  
Driver ID:  
Odometer: 461175.7 mi  
Engine S/N: 472910S0537541

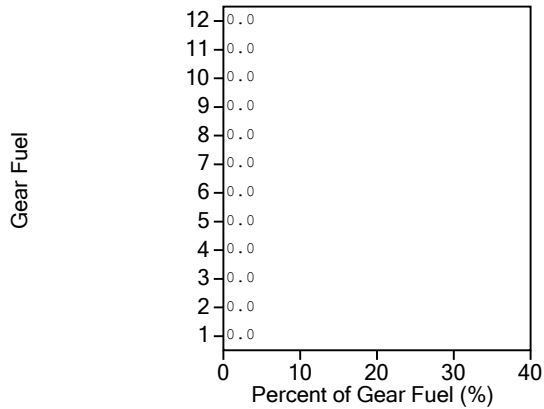
Forward Gear Time Histogram



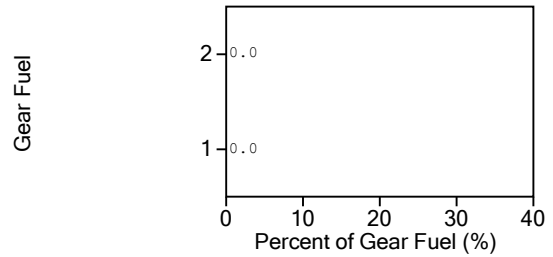
Reverse Gear Time Histogram



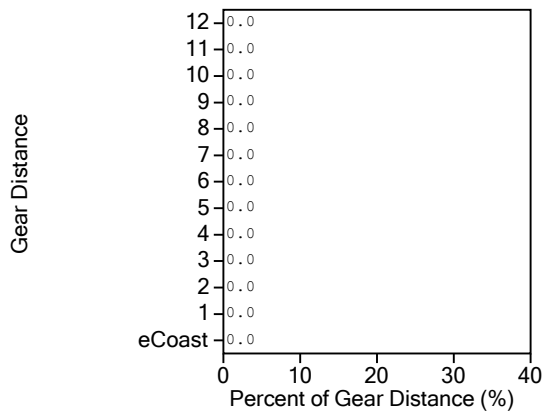
Forward Gear Fuel Histogram



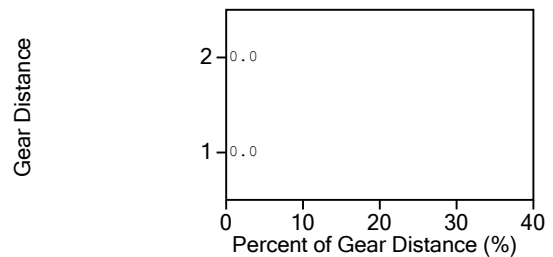
Reverse Gear Fuel Histogram



Forward Gear Distance Histogram



Reverse Gear Distance Histogram



# DDEC® Reports - Transmission Life-To-Date

File Name: 011620CARSAB.XTR

Print Date: 1/16/2020 11:06 AM

Trip: 07/28/19 08:12:01 To 01/16/20 (EST)

Vehicle ID: KB7773

Driver ID:

Odometer: 461175.7 mi

Engine S/N: 472910S0537541

Trip Distance	461175.7 mi	Trip Time	9360:56:46
Trip Fuel	64247.90 gal	Fuel Consumption	6.86 gal/h
Fuel Economy	7.18 mpg	Idle Time	1473:31:08
Avg Drive Load	53 %	Idle Percent	15.74 %
Avg Vehicle Speed	58.5 mph	Idle Fuel	1039.40 gal
		Parked Regen Time	-

**Economy Mode 72.4 % in mode**

Time	6776:45:51
Distance	303615.4 mi
Fuel	43277.50 gal
Shift Count	268319
Kickdown Time	0:00:00
Kickdown Count	0
Suggestive Shift Count	8548

**Performance Mode 0.9 % in mode**

Time	80:46:37
Distance	4928.9 mi
Fuel	815.25 gal
Shift Count	2662
Kickdown Time	0:00:00
Kickdown Count	0
Suggestive Shift Count	728

**Manual Mode 26.7 % in mode**

Time	2503:24:18
Distance	152631.4 mi
Fuel	20145.25 gal
Shift Count	18085

**Launching**

Launch count	15242
Coast Down Re-Engage Cnt	3051

**eCoast**

Total Time	264:37:05
Total Distance	16605.9 mi
Cruise Time	169:32:29
Cruise Percent	64.1 %
Cruise Distance	10838.6 mi
Accelerator Time	95:04:36
Accelerator Percent	35.9 %
Accelerator Distance	5767.3 mi

**Clutch Abuse/Clutch overtemp**

Overtemp Pre-Warn Count	11
Overtemp Warn Count	5
Warning	09/05/19 21:50 (EST)
Pre-Warn Time	0:00:22

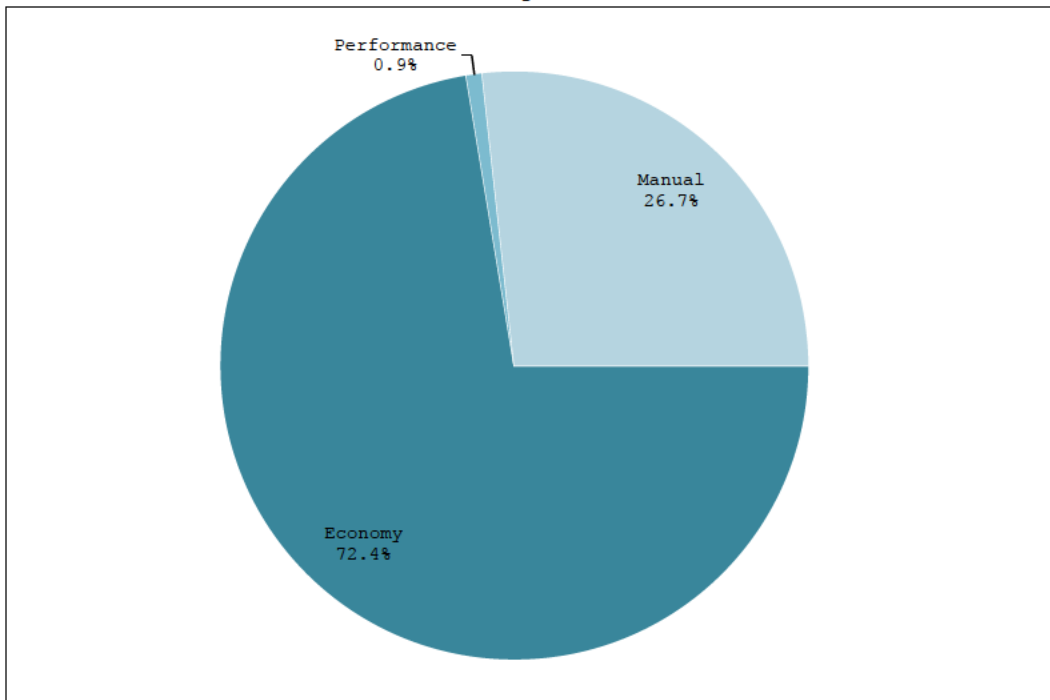
**Peak Transmission Oil Temperature**

Highest Oil Temperature	185.3 °F
Occurred	10/17/19 06:56 (EST)

**Creep Mode**

Creep Mode time	62:09:08
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**Time Percentage in Each Mode**

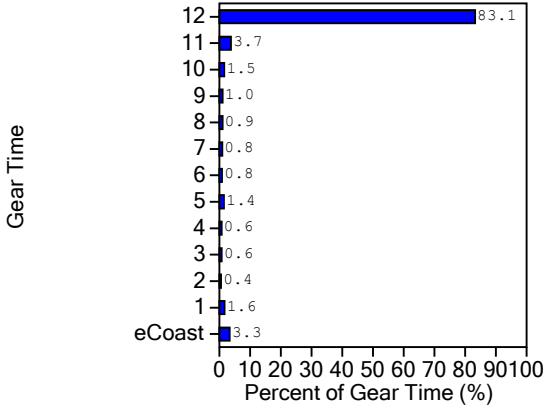


# DDEC® Reports - Transmission Life-To-Date

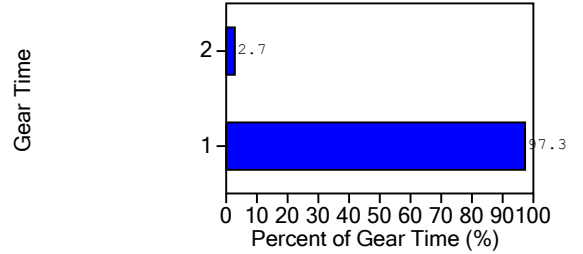
File Name: 011620CARSAB.XTR  
 Print Date: 1/16/2020 11:06 AM

Trip: 07/28/19 08:12:01 To 01/16/20 (EST)  
 Vehicle ID: KB7773  
 Driver ID:  
 Odometer: 461175.7 mi  
 Engine S/N: 472910S0537541

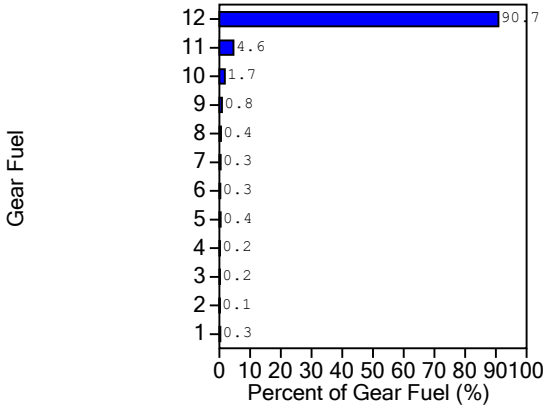
**Forward Gear Time Histogram**



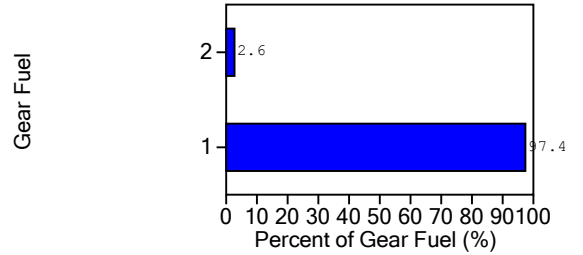
**Reverse Gear Time Histogram**



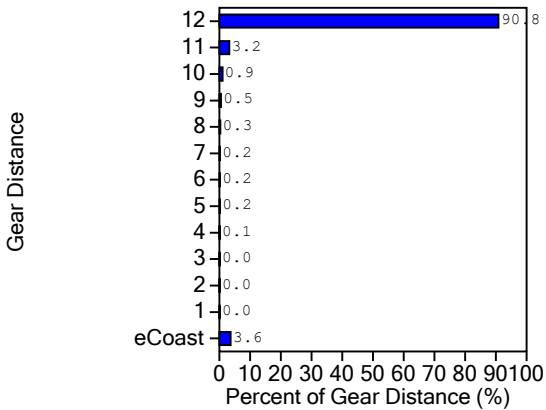
**Forward Gear Fuel Histogram**



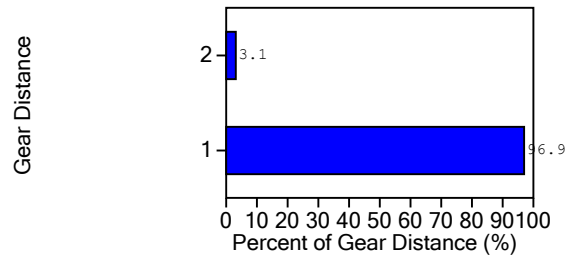
**Reverse Gear Fuel Histogram**



**Forward Gear Distance Histogram**



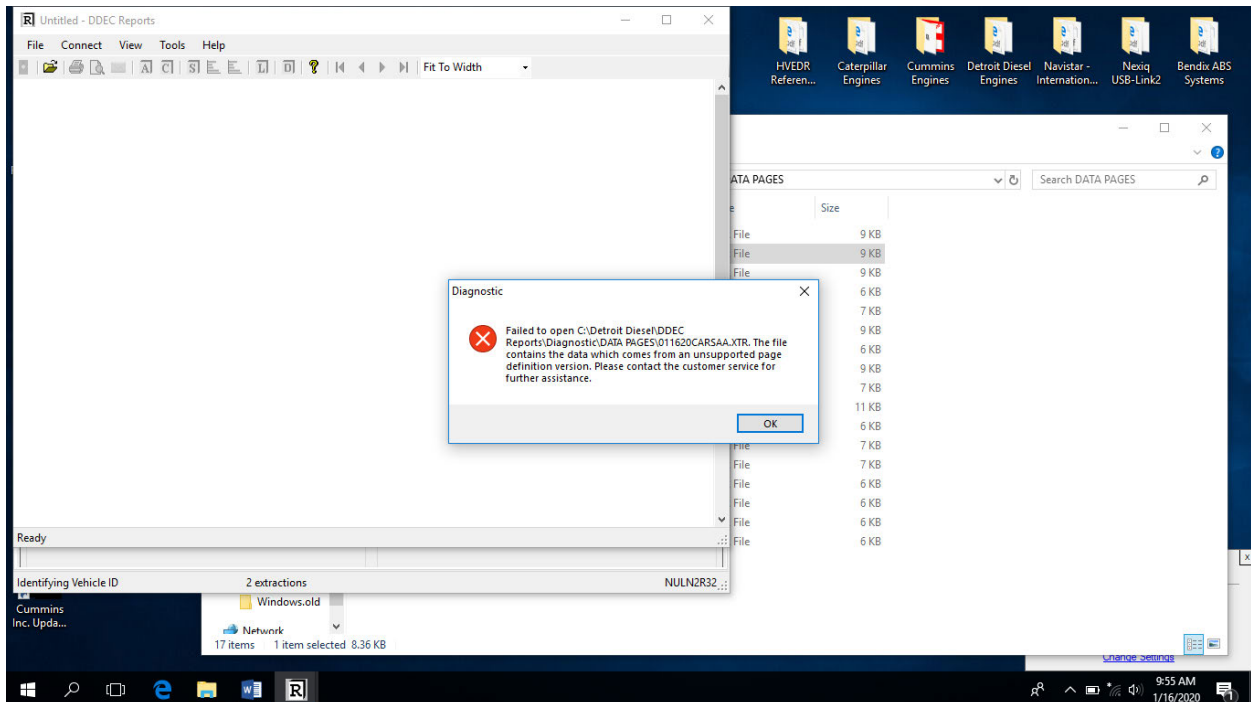
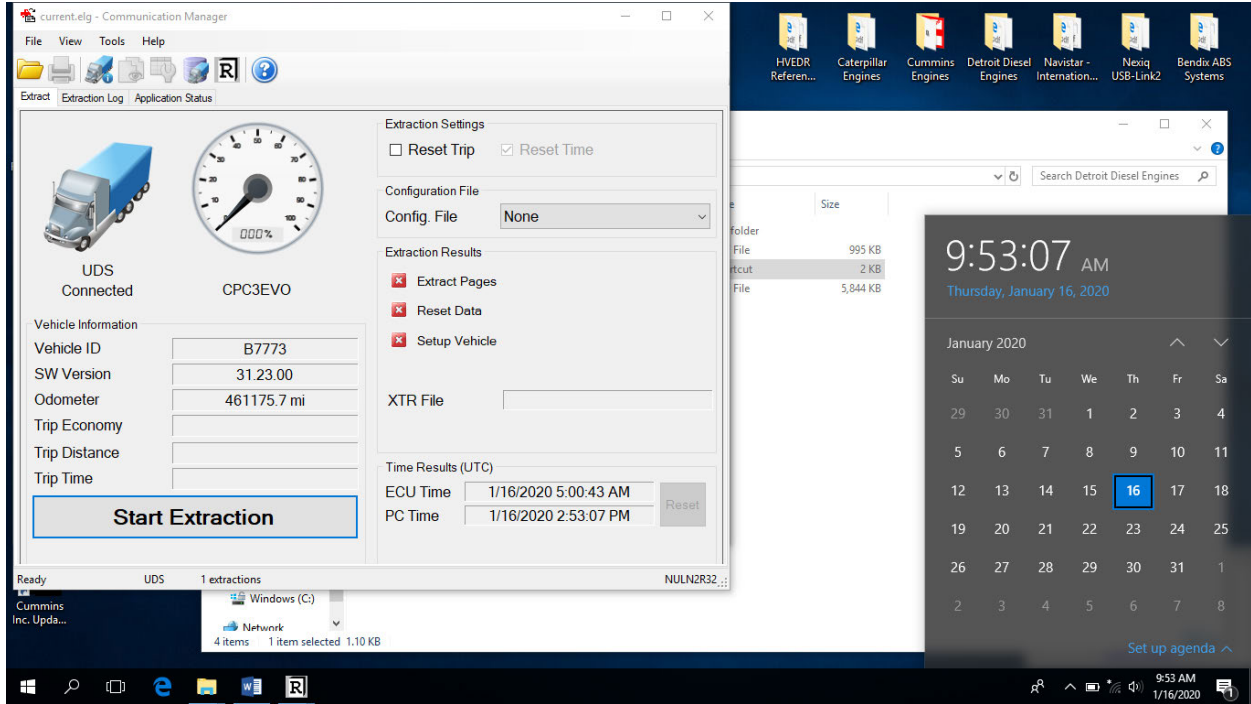
**Reverse Gear Distance Histogram**



Date: 01/16/20

Incident: PA20-22463

Location: Herring Towing, Somerset Twp., Somerset County, PA



current.elg - Communication Manager

File View Tools Help

Extract Extraction Log Application Status

UDS Connected CPC3EVO

Vehicle Information

Vehicle ID	KB7773
SW Version	31.23.00
Odometer	461175.7 mi
Trip Economy	
Trip Distance	
Trip Time	

Start Extraction

Extraction Settings

Reset Trip  Reset Time

Configuration File

Config. File None

Extraction Results

- Extract Pages
- Reset Data
- Setup Vehicle

XTR File

Time Results (UTC)

ECU Time 1/16/2020 5:00:07 AM

PC Time 1/16/2020 3:00:27 PM

Ready UDS 2 extractions NULN2R32...

Cummins Inc. Upda... Network 4 items 1 item selected 1.10 KB

10:00:28 AM Thursday, January 16, 2020

January 2020

Su	Mo	Tu	We	Th	Fr	Sa
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1
2	3	4	5	6	7	8

Set up agenda

10:00 AM 1/16/2020

current.elg - Communication Manager

File View Tools Help

Extract Extraction Log Application Status

UDS Extracted CPC3EVO

Vehicle Information

Vehicle ID	KB7773
SW Version	31.23.00
Odometer	461175.7 mi
Trip Economy	0.00 mpg
Trip Distance	0.0 mi
Trip Time	0:00:00

Start Extraction

Extraction Settings

Reset Trip  Reset Time

Configuration File

Config. File None

Extraction Results

- Extract Diagnostic
- Reset Data
- Setup Vehicle

XTR File

Time Results (UTC)

ECU Time 1/16/2020 5:01:34 AM

PC Time 1/16/2020 3:01:54 PM

ECU time was not reset.

Waiting for Vehicle to disconnect UDS 3 extractions NULN2R32...

Cummins Inc. Upda...

Failed to open C:\Detroit Diesel\DDEC Reports\Diagnostic\DATA PAGES\011620CARSAB.XTR. The file contains the data which comes from an unsupported page definition version. Please contact the customer service for further assistance.

OK

Schmit's Imagings HVDR Imagings

10:01 AM 1/16/2020