

# DDEC® Reports - Trip Activity

Print Date: 7/5/2013 1:44 PM

University of Tulsa  
 800 S. Tucker Dr  
 Tulsa, OK 74104  
 (918)631-3056

Trip: - To 07/03/13 (CST)  
 Vehicle ID: 47504  
 Driver ID:  
 Odometer: 567557.6 mi  
 Engine S/N: 06R0992068

Trip Distance	567557.6 mi	Trip Time	12772:10:53
Trip Fuel	98076.96 gal	Fuel Consumption	7.68 gal/h
Fuel Economy	5.79 mpg	Idle Time	2277:07:29
Avg Drive Load	50 %	Idle Percent	17.83 %
Avg Vehicle Speed	54.2 mph	Idle Fuel	1312.08 gal
		Parked Regen Time	17:12:03

**Driving**

Time 10477:51:21  
 Percent 82.04 %  
 Fuel 96764.88 gal  
 Economy 5.87 mpg

**Vehicle Speed Limiting**

Time 5254:54:12  
 Percent 50.15 %  
 Distance 326490.1 mi  
 Fuel 51766.75 gal

**Top Gear**

Time 8546:50:05  
 Percent 81.57 %  
 Distance 520540.9 mi  
 Fuel 84932.88 gal

**Top Gear - 1**

Time 523:53:17  
 Percent 5.00 %  
 Distance 23613.1 mi  
 Fuel 5270.38 gal

**Cruise**

Time 2972:09:49  
 Percent 28.37 %  
 Distance 183819.2 mi  
 Fuel 31327.38 gal

**Top Gear Cruise**

Time 2950:55:22  
 Percent 28.16 %  
 Distance 182778.8 mi  
 Fuel 31045.88 gal

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

Count 30045  
 Time 131:18:23  
 Percent 1.25 %

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

Count 2870  
 Time 15:46:20  
 Percent 0.15 %

**Highest Speed**

87.5 mph  
 Occurred 01/12/13 22:00:52 (CST)

**Coasting Time**

7:13:46

**Coasting Percent**

0.07 %

**Stop Idle**

Time 1310:35:56  
 Percent 10.26 %  
 Fuel 642.75 gal

**Over Rev Limit**

1800 rpm

Count 1135  
 Time 9:40:25  
 Percent 0.08 %

**Highest RPM**

2799 rpm

Occurred 05/24/11 21:53:26 (CST)

**Diag. Records**

4402

**Hard Brake Count**

101

**Firm Brake Count**

4531

**Brake Count**

107497

**Eng. Brake Time**

0:00:00

**Fan On Time**

Total Time 441:20:10  
 Engine System 59:58:24  
 Manual 0:00:00  
 A/C 364:08:25  
 DPF Fan Time 17:13:21

**Engine Utilization**

5.11 %

**Vehicle Utilization**

4.19 %

**DPF Regeneration**

Parked Completed 18  
 Parked Regen Fuel 56.20 gal  
 Driving Completed 1606  
 Driving Regen Fuel 2074.76 gal

**Diesel Exhaust Fluid (DEF)**

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

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Trip: - To 07/03/13 (CST)  
Vehicle ID: 47504  
Driver ID:  
Odometer: 567557.6 mi  
Engine S/N: 06R0992068

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Trip Distance	567557.6 mi	Trip Time	12772:10:53
Trip Fuel	98076.96 gal	Fuel Consumption	7.68 gal/h
Fuel Economy	5.79 mpg	Idle Time	2277:07:29
Avg Drive Load	50 %	Idle Percent	17.83 %
Avg Vehicle Speed	54.2 mph	Idle Fuel	1312.08 gal
		Parked Regen Time	17:12:03

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## Predictive Cruise Control

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

## 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: 7/5/2013 1:44 PM

University of Tulsa 800 S. Tucker Dr Tulsa, OK 74104 (918)631-3056	Partial Month: July, 2013 (CST) Vehicle ID: 47504 Driver ID: Odometer: 567557.6 mi Engine S/N: 06R0992068
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Trip Distance	5.1 mi	Trip Time	2:03:54
Trip Fuel	3.35 gal	Fuel Consumption	1.62 gal/h
Fuel Economy	1.52 mpg	Idle Time	1:02:12
Avg Drive Load	26 %	Idle Percent	50.20 %
Avg Vehicle Speed	5.0 mph	Idle Fuel	1.73 gal
		Parked Regen Time	0:35:48

**Driving**

Time	1:01:42
Percent	49.80 %
Fuel	1.63 gal
Economy	3.14 mpg

**Stop Idle**

Time	0:27:20
Percent	22.06 %
Fuel	0.25 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	0:00:07
Percent	0.09 %

**Top Gear**

Time	0:00:06
Percent	0.16 %
Distance	0.1 mi
Fuel	0.00 gal

**Highest RPM** **2059 rpm**

Occurred 07/01/13 14:41:33 (CST)

**Top Gear - 1**

Time	0:00:26
Percent	0.70 %
Distance	0.1 mi
Fuel	0.00 gal

**Diag. Records** **18**

**Hard Brake Count** **14**

**Firm Brake Count** **5**

**Brake Count** **35**

**Eng. Brake Time** **0:00:00**

**Cruise**

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

**Fan On Time**

Total Time	1:00:50
Engine System	0:01:00
Manual	0:00:00
A/C	0:24:01
DPF Fan Time	0:35:49

**Top Gear Cruise**

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

**Engine Utilization** **3.02 %**

**Vehicle Utilization** **1.50 %**

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

Count	0
Time	0:00:00
Percent	0.00 %

**DPF Regeneration**

Parked Completed	1
Parked Regen Fuel	1.10 gal
Driving Completed	0
Driving Regen Fuel	0.00 gal

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

Count	0
Time	0:00:00
Percent	0.00 %

**Diesel Exhaust Fluid (DEF)**

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

**Highest Speed** **52.5 mph**

Occurred 07/03/13 13:25:55 (CST)

**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

**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

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University of Tulsa 800 S. Tucker Dr Tulsa, OK 74104 (918)631-3056	Partial Month: July, 2013 (CST) Vehicle ID: 47504 Driver ID: Odometer: 567557.6 mi Engine S/N: 06R0992068
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Trip Distance	5.1 mi	Trip Time	2:03:54
Trip Fuel	3.35 gal	Fuel Consumption	1.62 gal/h
Fuel Economy	1.52 mpg	Idle Time	1:02:12
Avg Drive Load	26 %	Idle Percent	50.20 %
Avg Vehicle Speed	5.0 mph	Idle Fuel	1.73 gal
		Parked Regen Time	0:35:48

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## Predictive Cruise Control

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

## 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: 7/5/2013 1:44 PM

University of Tulsa  
 800 S. Tucker Dr  
 Tulsa, OK 74104  
 (918)631-3056

Month: June, 2013 (CST)  
 Vehicle ID: 47504  
 Driver ID:  
 Odometer: 567557.6 mi  
 Engine S/N: 06R0992068

Trip Distance 114.5 mi  
 Trip Fuel 29.38 gal  
 Fuel Economy 3.90 mpg  
 Avg Drive Load 15 %  
 Avg Vehicle Speed 5.9 mph

Trip Time 35:02:47  
 Fuel Consumption 0.84 gal/h  
 Idle Time 15:32:41  
 Idle Percent 44.35 %  
 Idle Fuel 8.88 gal  
 Parked Regen Time 0:00:00

**Driving**

Time 19:30:06  
 Percent 55.65 %  
 Fuel 20.50 gal  
 Economy 5.59 mpg

**Stop Idle**

Time 1:21:12  
 Percent 3.86 %  
 Fuel 0.63 gal

**Vehicle Speed Limiting**

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

**Over Rev Limit**

Count 0  
 Time 0:01:00  
 Percent 0.05 %

**Highest RPM**

2091 rpm  
 Occurred 06/16/13 8:06:21 (CST)

**Top Gear**

Time 0:01:15  
 Percent 0.11 %  
 Distance 0.2 mi  
 Fuel 0.00 gal

**Diag. Records**

30  
**Hard Brake Count** 0  
**Firm Brake Count** 0  
**Brake Count** 601  
**Eng. Brake Time** 0:00:00

**Top Gear - 1**

Time 0:06:14  
 Percent 0.53 %  
 Distance 2.4 mi  
 Fuel 0.13 gal

**Fan On Time**

Total Time 16:19:12  
 Engine System 0:00:00  
 Manual 0:00:00  
 A/C 16:19:12  
 DPF Fan Time 0:00:00

**Cruise**

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

**Engine Utilization**

4.87 %

**Vehicle Utilization**

2.71 %

**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 0.00 gal

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

Count 0  
 Time 0:00:00  
 Percent 0.00 %

**Diesel Exhaust Fluid (DEF)**

Trip Fluid -  
 Trip Percent 0.00 %  
 Trip Economy 0.00 mpg  
 Driving Fluid -  
 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**

39.0 mph  
 Occurred 06/16/13 8:31:44 (CST)

**Optimized Idle Battery Charging Starts**

Normal Count 0  
 Alternate Count 0  
 Continuous Run 0

**Coasting Time**

0:00:00

**Coasting Percent**

0.00 %

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University of Tulsa 800 S. Tucker Dr Tulsa, OK 74104 (918)631-3056	Month: June, 2013 (CST) Vehicle ID: 47504 Driver ID: Odometer: 567557.6 mi Engine S/N: 06R0992068
Trip Distance 114.5 mi	Trip Time 35:02:47
Trip Fuel 29.38 gal	Fuel Consumption 0.84 gal/h
Fuel Economy 3.90 mpg	Idle Time 15:32:41
Avg Drive Load 15 %	Idle Percent 44.35 %
Avg Vehicle Speed 5.9 mph	Idle Fuel 8.88 gal
	Parked Regen Time 0:00:00

## Predictive Cruise Control

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

## 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: 7/5/2013 1:44 PM

University of Tulsa 800 S. Tucker Dr Tulsa, OK 74104 (918)631-3056	Month: May, 2013 (CST) Vehicle ID: 47504 Driver ID: Odometer: 567557.6 mi Engine S/N: 06R0992068
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<table border="0" style="width: 100%;"> <tr><td>Trip Distance</td><td style="text-align: right;">6240.7 mi</td></tr> <tr><td>Trip Fuel</td><td style="text-align: right;">1058.13 gal</td></tr> <tr><td>Fuel Economy</td><td style="text-align: right;">5.90 mpg</td></tr> <tr><td>Avg Drive Load</td><td style="text-align: right;">49 %</td></tr> <tr><td>Avg Vehicle Speed</td><td style="text-align: right;">54.4 mph</td></tr> </table>	Trip Distance	6240.7 mi	Trip Fuel	1058.13 gal	Fuel Economy	5.90 mpg	Avg Drive Load	49 %	Avg Vehicle Speed	54.4 mph	<table border="0" style="width: 100%;"> <tr><td>Trip Time</td><td style="text-align: right;">138:01:20</td></tr> <tr><td>Fuel Consumption</td><td style="text-align: right;">7.67 gal/h</td></tr> <tr><td>Idle Time</td><td style="text-align: right;">23:20:09</td></tr> <tr><td>Idle Percent</td><td style="text-align: right;">16.91 %</td></tr> <tr><td>Idle Fuel</td><td style="text-align: right;">12.38 gal</td></tr> <tr><td>Parked Regen Time</td><td style="text-align: right;">0:00:00</td></tr> </table>	Trip Time	138:01:20	Fuel Consumption	7.67 gal/h	Idle Time	23:20:09	Idle Percent	16.91 %	Idle Fuel	12.38 gal	Parked Regen Time	0:00:00
Trip Distance	6240.7 mi																						
Trip Fuel	1058.13 gal																						
Fuel Economy	5.90 mpg																						
Avg Drive Load	49 %																						
Avg Vehicle Speed	54.4 mph																						
Trip Time	138:01:20																						
Fuel Consumption	7.67 gal/h																						
Idle Time	23:20:09																						
Idle Percent	16.91 %																						
Idle Fuel	12.38 gal																						
Parked Regen Time	0:00:00																						

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<b>Driving</b> Time 114:41:11 Percent 83.09 % Fuel 1045.75 gal Economy 5.97 mpg	<b>Stop Idle</b> Time 13:47:52 Percent 10.00 % Fuel 6.38 gal
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<b>Vehicle Speed Limiting</b> Time 58:42:33 Percent 51.19 % Distance 3654.2 mi Fuel 568.25 gal	<b>Over Rev Limit</b> <b>1800 rpm</b> Count 22 Time 0:12:28 Percent 0.15 %
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<b>Top Gear</b> Time 92:30:47 Percent 80.67 % Distance 5685.2 mi Fuel 912.63 gal	<b>Highest RPM</b> <b>2389 rpm</b> Occurred 05/14/13 18:18:50 (CST)
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<b>Top Gear - 1</b> Time 4:33:18 Percent 3.97 % Distance 201.8 mi Fuel 45.25 gal	<b>Diag. Records</b> <b>2</b> <b>Hard Brake Count</b> <b>1</b> <b>Firm Brake Count</b> <b>93</b> <b>Brake Count</b> <b>1569</b> <b>Eng. Brake Time</b> <b>0:00:00</b>
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<b>Cruise</b> Time 34:59:11 Percent 30.51 % Distance 2169.4 mi Fuel 369.13 gal	<b>Fan On Time</b> Total Time 9:38:17 Engine System 0:27:32 Manual 0:00:00 A/C 9:10:45 DPF Fan Time 0:00:00
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<b>Top Gear Cruise</b> Time 34:26:37 Percent 30.03 % Distance 2146.9 mi Fuel 357.75 gal	<b>Engine Utilization</b> <b>18.55 %</b> <b>Vehicle Utilization</b> <b>15.41 %</b>
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<b>Speeding A(&gt;=66 and &lt;71 mph)</b> Count 571 Time 2:22:31 Percent 2.07 %	<b>DPF Regeneration</b> Parked Completed 0 Parked Regen Fuel 0.00 gal Driving Completed 18 Driving Regen Fuel 21.87 gal
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<b>Speeding B(&gt;=71 mph)</b> Count 80 Time 0:26:18 Percent 0.38 %	<b>Diesel Exhaust Fluid (DEF)</b> Trip Fluid - Trip Percent 0.00 % Trip Economy 0.00 mpg Driving Fluid - Driving Economy 0.00 mpg
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<b>Highest Speed</b> <b>85.0 mph</b> Occurred 05/14/13 18:19:40 (CST)	<b>Optimized Idle Time</b> 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
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<b>Coasting Time</b> <b>0:33:44</b> <b>Coasting Percent</b> <b>0.49 %</b>	<b>Optimized Idle Battery Charging Starts</b> Normal Count 0 Alternate Count 0 Continuous Run 0
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Trip Distance 6240.7 mi Trip Fuel 1058.13 gal Fuel Economy 5.90 mpg Avg Drive Load 49 % Avg Vehicle Speed 54.4 mph	Trip Time 138:01:20 Fuel Consumption 7.67 gal/h Idle Time 23:20:09 Idle Percent 16.91 % Idle Fuel 12.38 gal Parked Regen Time 0:00:00

## Predictive Cruise Control

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

## 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

Print Date: 7/5/2013 1:44 PM

University of Tulsa 800 S. Tucker Dr Tulsa, OK 74104 (918)631-3056	Trip: - To 07/03/13 (CST) Vehicle ID: 47504 Driver ID: Odometer: 567557.6 mi Engine S/N: 06R0992068
Trip Distance 567557.6 mi	Trip Time 12772:10:53
Trip Fuel 98076.96 gal	Fuel Consumption 7.68 gal/h
Fuel Economy 5.79 mpg	Idle Time 2277:07:29
Avg Drive Load 50 %	Idle Percent 17.83 %
Avg Vehicle Speed 54.2 mph	Idle Fuel 1312.08 gal
	Parked Regen Time 17:12:03

Hard Brake Limit 7.0 mph/s	
Stop Idle Limit 5 min	
Top Gear Limit 24 rpm/mph	
Top Gear-1 Limit 33 rpm/mph	Learned On: 07/01/2013 (CST)
ECM S/W R05_03_000a	
ECM Type DDEC VI	
Config. Change 06/01/2011 (CST)	
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 -6.0 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

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Trip: - To 07/03/13 (CST)  
Vehicle ID: 47504  
Driver ID:  
Odometer: 567557.6 mi  
Engine S/N: 06R0992068

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Trip Distance	567557.6 mi	Trip Time	12772:10:53
Trip Fuel	98076.96 gal	Fuel Consumption	7.68 gal/h
Fuel Economy	5.79 mpg	Idle Time	2277:07:29
Avg Drive Load	50 %	Idle Percent	17.83 %
Avg Vehicle Speed	54.2 mph	Idle Fuel	1312.08 gal
		Parked Regen Time	17:12:03

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Total Distance	567557.6 mi
Total Time	15372:57:28
Total Fuel	98166.50 gal
Overall Fuel Economy	5.78 mpg
Avg Vehicle Speed	36.92 mph
Idle Time	2277:07:40
Idle Percent	14.81 %
Idle Fuel	1315.63 gal
VSG(PTO) Total Time	0:00:00
VSG(PTO) Percent	0.00 %
VSG(PTO) Total Fuel	0.00 gal
VSG(PTO) Working Time	0:00:00
VSG(PTO) Working Fuel	0.00 gal
Cruise Percent	22.70 %
Cruise Time	2972:09:49
Eng. Brake Time	0:00:00
Revolutions/mi	1764
Average RPM	1085

#### DPF Regeneration

Parked Completed	18
Occurred	07/03/13 12:33 (CST)
Driving Completed	1606
Occurred	05/18/13 02:44 (CST)

#### Predictive Cruise Control

Time	0:00:00
Percent	0.00 %

Avg. Drive Load	50 %
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#### Optimized Idle Time

Active Time	0:00:00
Run Time	0:00:00

#### Optimized Idle Battery Charging Starts

Normal Count	0
Alternate Count	0
Continuous Run	0

#### Fan On Time

Total Time	424:06:56
Engine System	59:58:24
Manual	0:00:00
A/C	364:08:32
DPF Fan Time	17:13:21

#### Peak Road Speed 85.0 mph

Occurred	06/05/12 08:51 (CST)
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#### Peak Engine RPM 2797 rpm

Occurred	05/24/11 21:53 (CST)
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Parked Regen Fuel	56.25 gal
Driving Regen Fuel	2076.90 gal
Parked Regen Time	17:12:03

#### Diesel Exhaust Fluid (DEF)

Total Fluid	-
Total Percent	0.00 %
Total Economy	0.00 mpg
Driving Fluid	0.00 gal
Driving Economy	0.00 mpg

# DDEC® Reports - Vehicle Speed/RPM

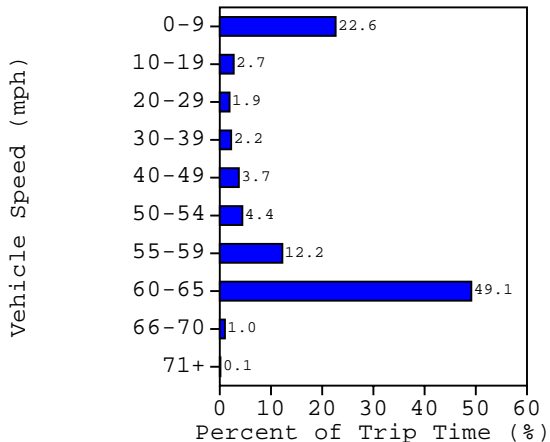
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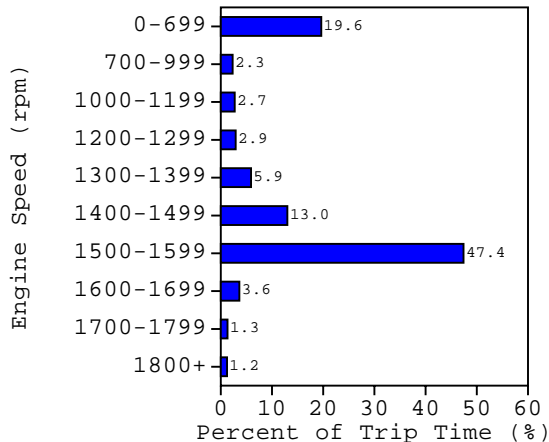
Trip: - To 07/03/13 (CST)  
Vehicle ID: 47504  
Driver ID:  
Odometer: 567557.6 mi  
Engine S/N: 06R0992068

Trip Distance	567557.6 mi	Trip Time	12772:10:53
Trip Fuel	98076.96 gal	Fuel Consumption	7.68 gal/h
Fuel Economy	5.79 mpg	Idle Time	2277:07:29
Avg Drive Load	50 %	Idle Percent	17.83 %
Avg Vehicle Speed	54.2 mph	Idle Fuel	1312.08 gal
		Parked Regen Time	17:12:03

**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	19.0	0.4	0.1								19.6
700- 999	1.5	0.5	0.2	0.1							2.3
1000-1199	0.8	0.5	0.3	0.3	0.8						2.7
1200-1299	0.3	0.3	0.3	0.4	0.5	1.2					2.9
1300-1399	0.2	0.2	0.3	0.3	0.4	2.4	2.0				5.9
1400-1499	0.2	0.2	0.2	0.3	0.7		9.8	1.7			13.0
1500-1599	0.2	0.2	0.1	0.3	0.7			45.9			47.4
1600-1699	0.2	0.2	0.1	0.2	0.4	0.2		1.5	0.8		3.6
1700-1799	0.1	0.1	0.1	0.2		0.5			0.2	0.1	1.3
1800+	0.2	0.2	0.1	0.1	0.1	0.1	0.3			0.1	1.2
<b>Total</b>	<b>22.6</b>	<b>2.7</b>	<b>1.9</b>	<b>2.2</b>	<b>3.7</b>	<b>4.4</b>	<b>12.2</b>	<b>49.1</b>	<b>1.0</b>	<b>0.1</b>	
<b>Brakes</b>	30561	12714	12563	11192	9913	6517	9241	11001	2967	828	107497
<b>Hard Brakes</b>		1	29	38	24	2	6	1			101
<b>Firm Brakes</b>		361	2011	1210	599	212	102	35	1		4531

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

# DDEC® Reports - Engine Load/RPM

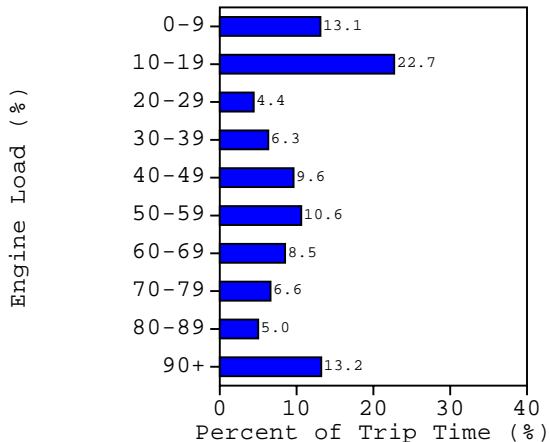
Print Date: 7/5/2013 1:44 PM

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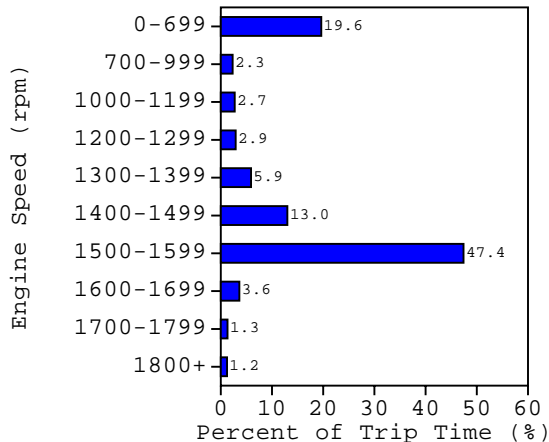
Trip: - To 07/03/13 (CST)  
Vehicle ID: 47504  
Driver ID:  
Odometer: 567557.6 mi  
Engine S/N: 06R0992068

Trip Distance	567557.6 mi	Trip Time	12772:10:53
Trip Fuel	98076.96 gal	Fuel Consumption	7.68 gal/h
Fuel Economy	5.79 mpg	Idle Time	2277:07:29
Avg Drive Load	50 %	Idle Percent	17.83 %
Avg Vehicle Speed	54.2 mph	Idle Fuel	1312.08 gal
		Parked Regen Time	17:12:03

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	0.6	17.9	0.5	0.2	0.1	0.1				0.1	19.6
700- 999	1.1	0.6	0.2	0.1	0.1	0.1					2.3
1000-1199	1.1	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.2	2.7
1200-1299	0.8	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.7	2.9
1300-1399	1.0	0.3	0.4	0.5	0.5	0.4	0.4	0.3	0.3	1.7	5.9
1400-1499	1.5	0.5	0.6	1.2	1.6	1.4	1.0	0.9	0.8	3.6	13.0
1500-1599	4.4	2.1	1.8	3.6	6.7	8.1	6.6	4.9	3.4	5.8	47.4
1600-1699	1.8	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.5	3.6
1700-1799	0.5	0.1	0.1	0.1						0.4	1.3
1800+	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
Total	13.1	22.7	4.4	6.3	9.6	10.6	8.5	6.6	5.0	13.2	

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

# DDEC® Reports - Over Speed/Over Rev

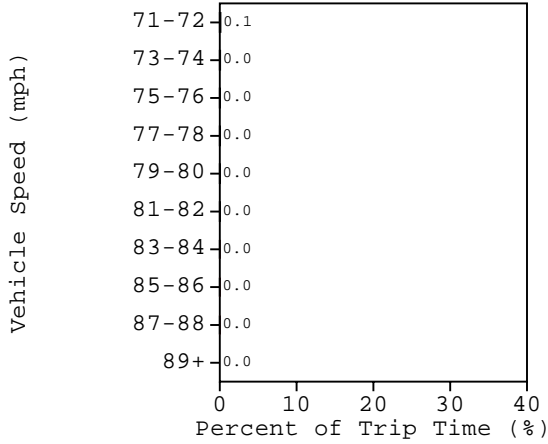
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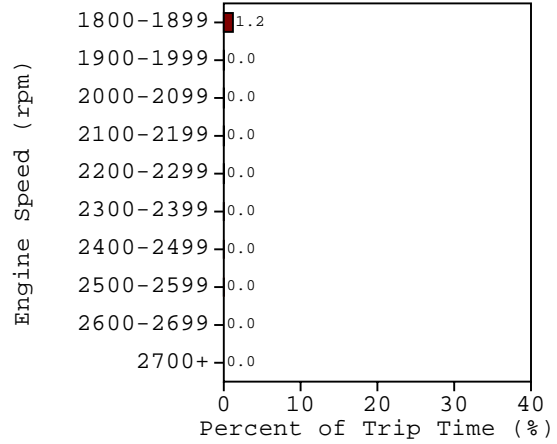
Trip: - To 07/03/13 (CST)  
 Vehicle ID: 47504  
 Driver ID:  
 Odometer: 567557.6 mi  
 Engine S/N: 06R0992068

Trip Distance	567557.6 mi	Trip Time	12772:10:53
Trip Fuel	98076.96 gal	Fuel Consumption	7.68 gal/h
Fuel Economy	5.79 mpg	Idle Time	2277:07:29
Avg Drive Load	50 %	Idle Percent	17.83 %
Avg Vehicle Speed	54.2 mph	Idle Fuel	1312.08 gal
		Parked Regen Time	17:12:03

**Over Speed Histogram**



**Over Rev Histogram**



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

Vehicle Speed(mph)

71-72	73-74	75-76	77-78	79-80	81-82	83-84	85-86	87-88	89+
0.07	0.03	0.01	0.01	<0.005	<0.005	<0.005	<0.005	<0.005	

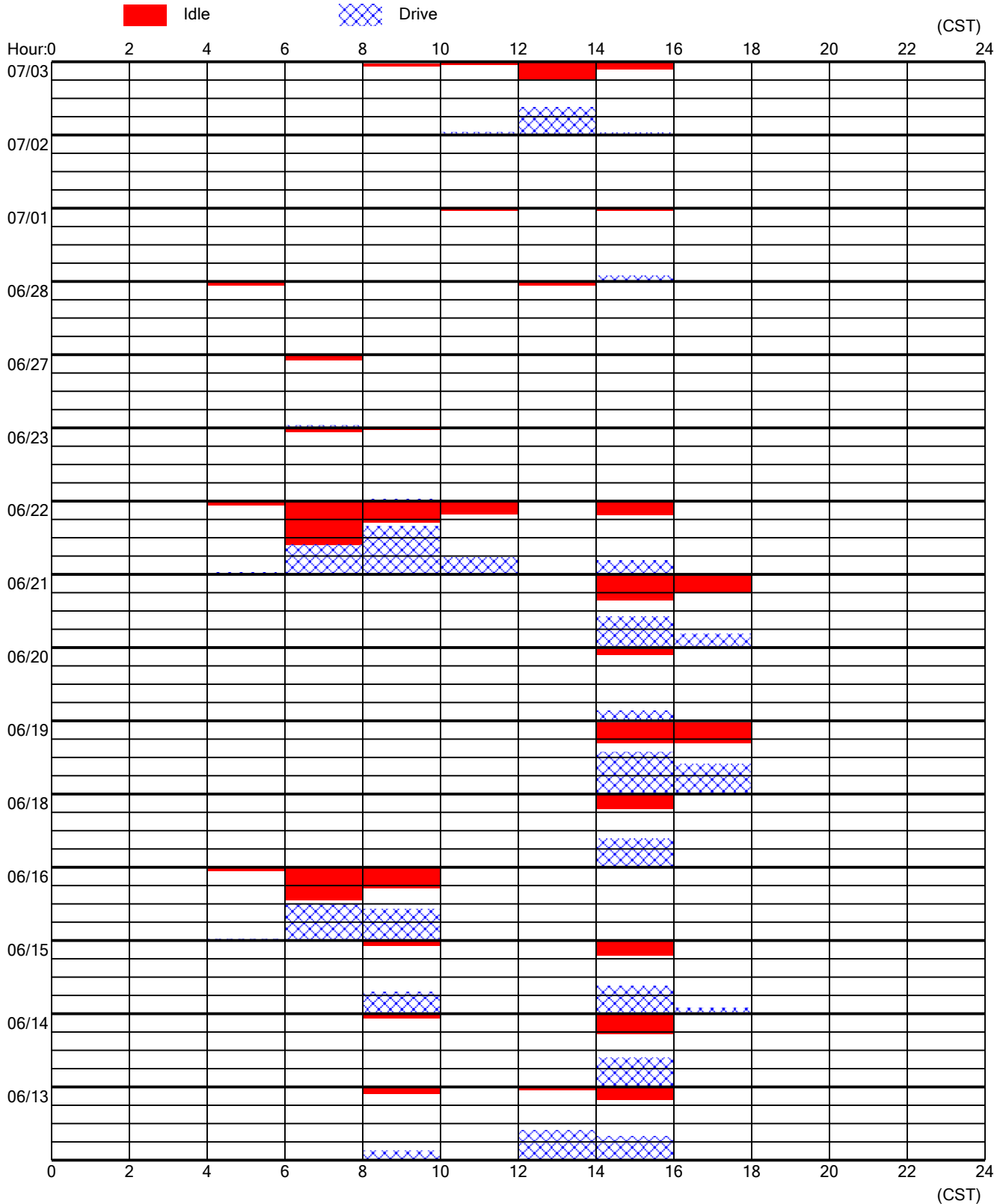
Engine Speed(rpm)

1800 1899	1900 1999	2000 2099	2100 2199	2200 2299	2300 2399	2400 2499	2500 2599	2600 2699	2700+
1.18	0.02	0.01	<0.005	<0.005	<0.005	<0.005	<0.005		

# DDEC® Reports - Daily Engine Usage

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Date Range: 07/03/13 To 05/15/13 (CST)  
 Vehicle ID: 47504  
 Driver ID:  
 Engine S/N: 06R0992068



# DDEC® Reports - Daily Engine Usage

Print Date: 7/5/2013 1:44 PM

Date Range: 07/03/13 To 05/15/13 (CST)

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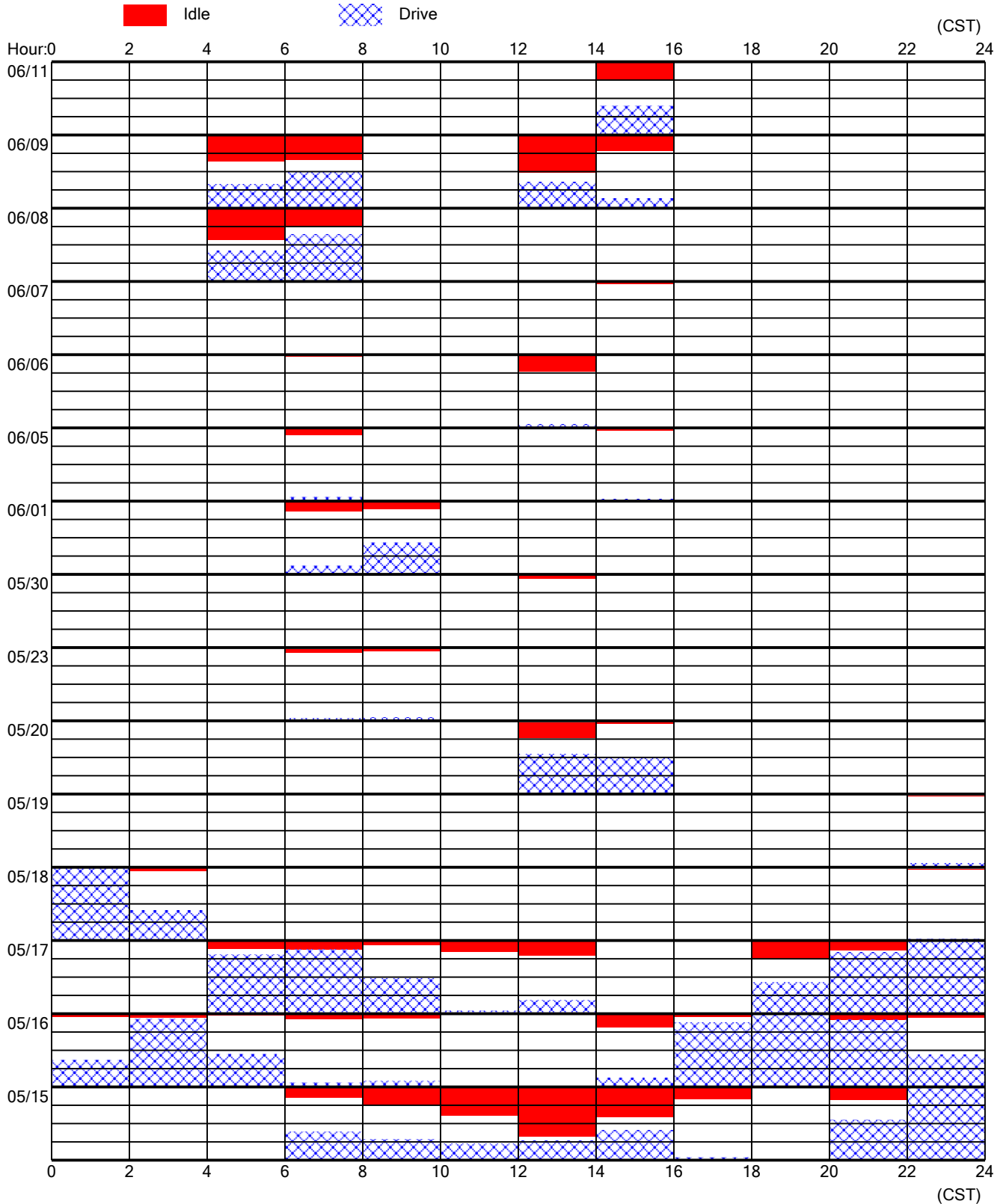
Vehicle ID:

47504

Driver ID:

Engine S/N:

06R0992068



# DDEC® Reports - Daily Engine Usage

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Vehicle ID:

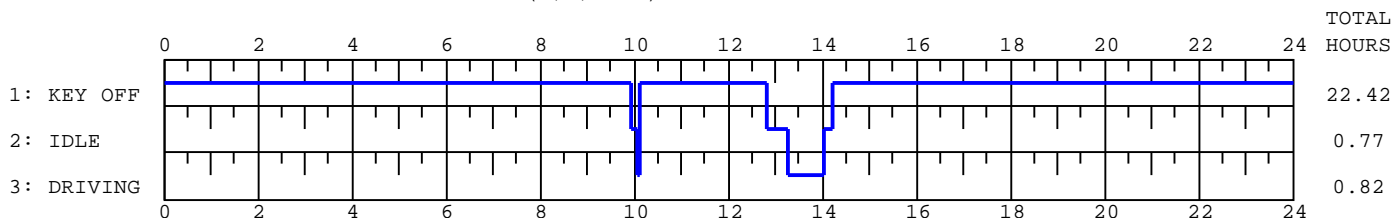
47504

Driver ID:

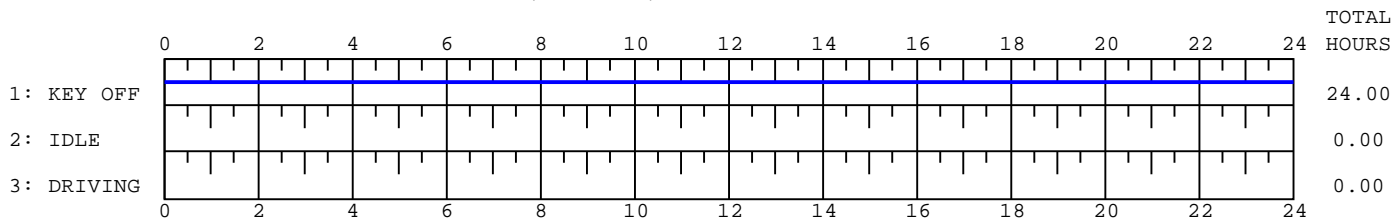
Engine S/N:

06R0992068

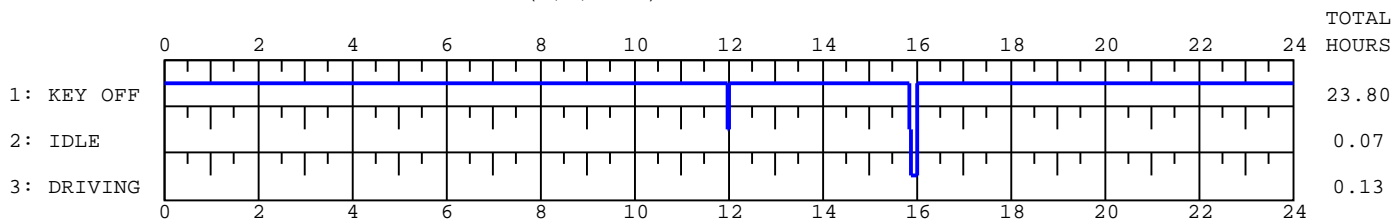
(7/3/2013)



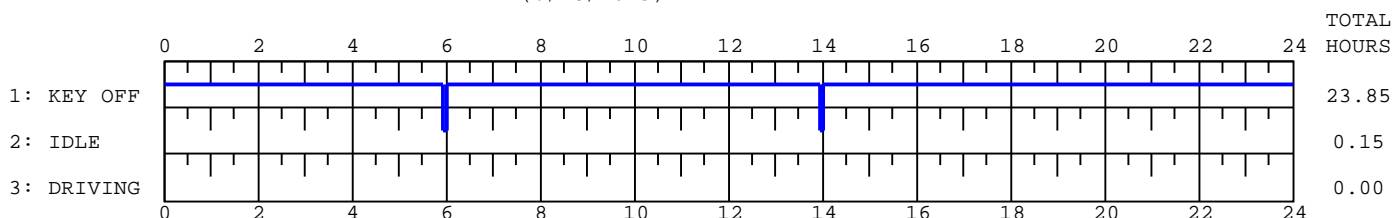
(7/2/2013)



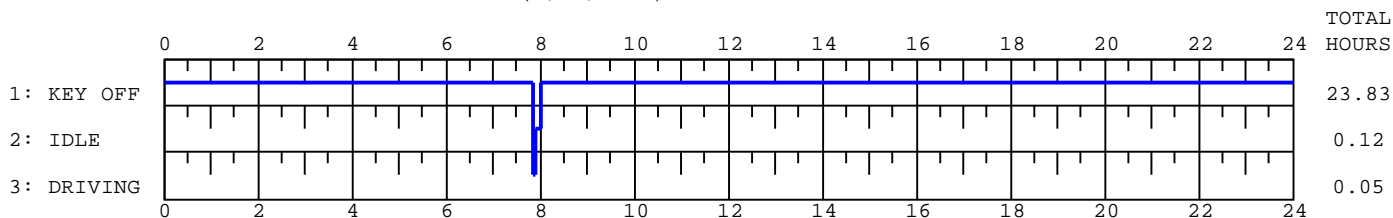
(7/1/2013)



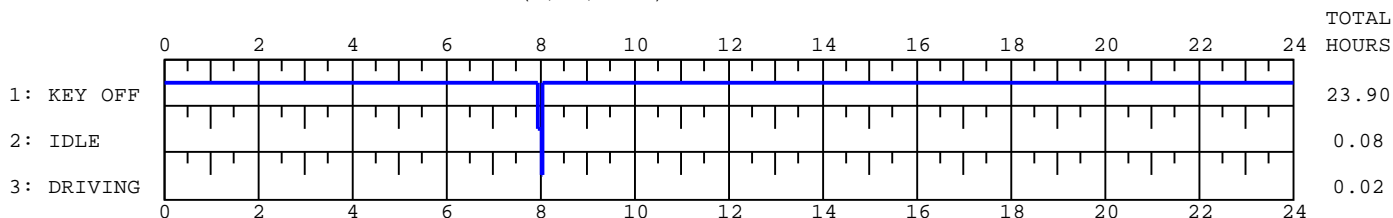
(6/28/2013)



(6/27/2013)



(6/23/2013)





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Vehicle ID:

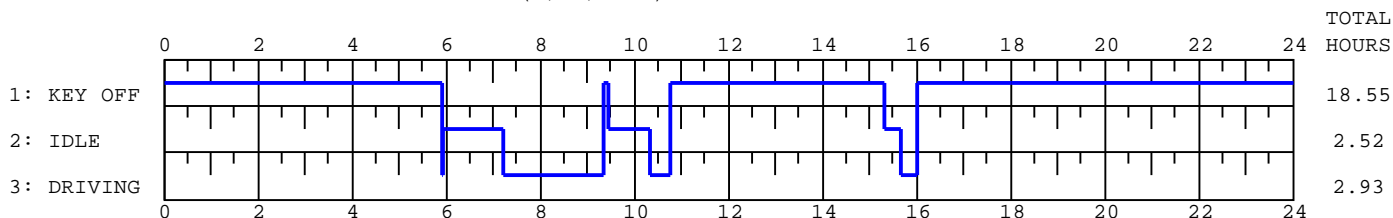
47504

Driver ID:

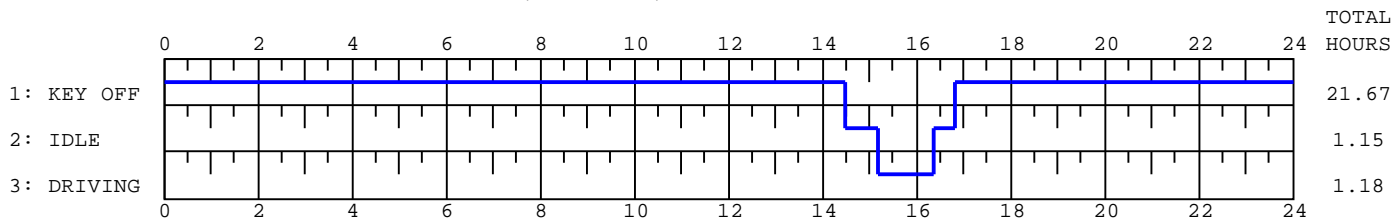
Engine S/N:

06R0992068

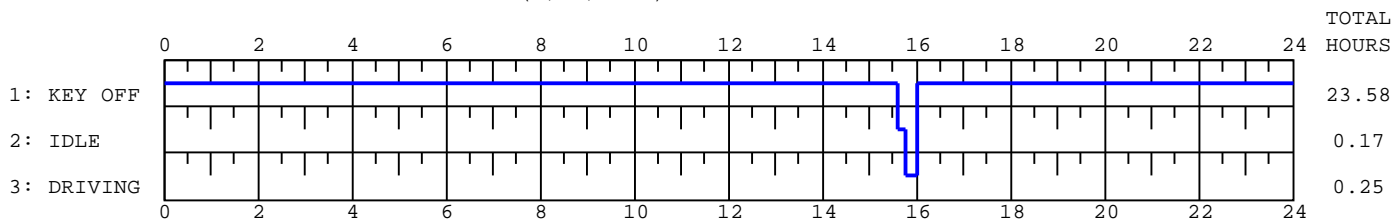
(6/22/2013)



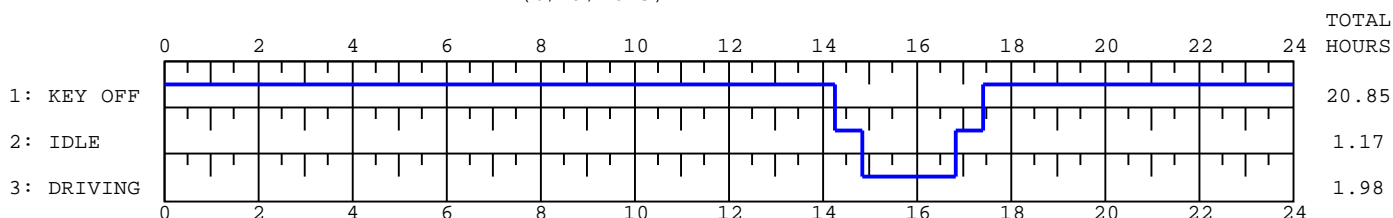
(6/21/2013)



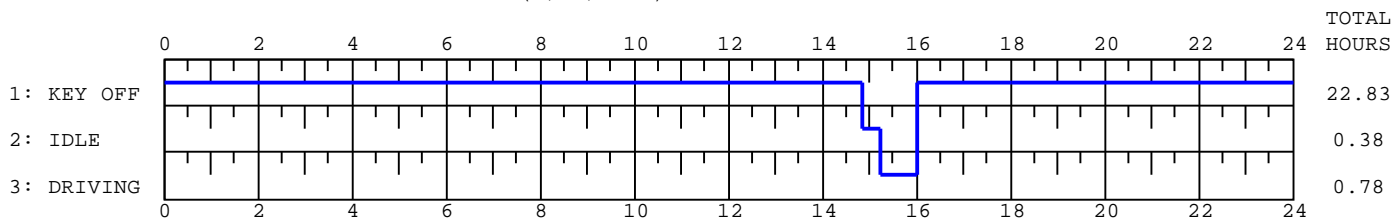
(6/20/2013)



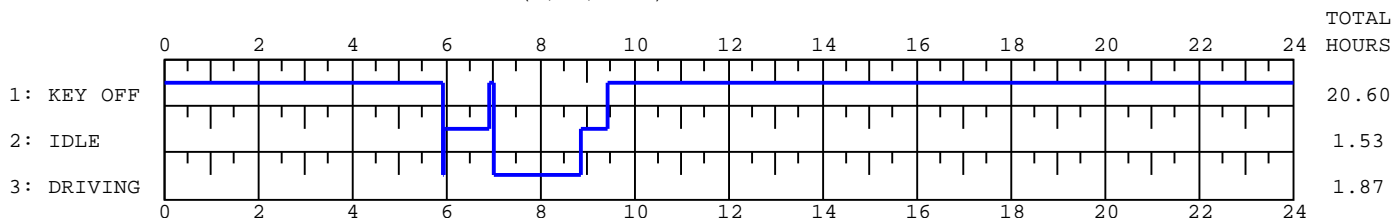
(6/19/2013)



(6/18/2013)



(6/16/2013)



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Vehicle ID:

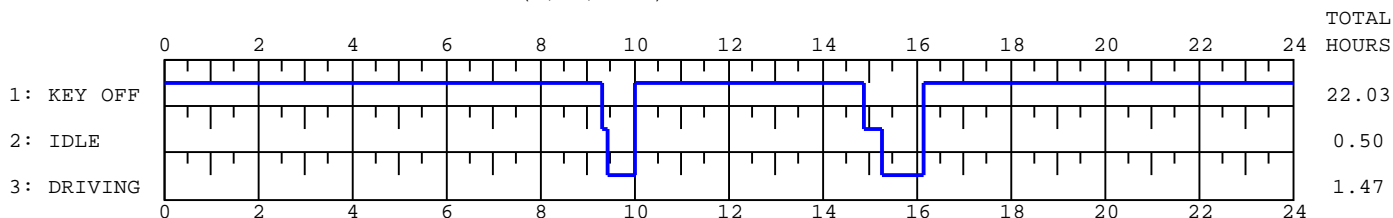
47504

Driver ID:

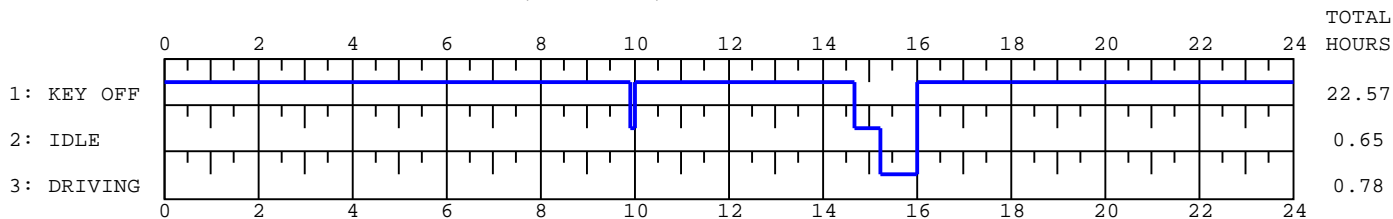
Engine S/N:

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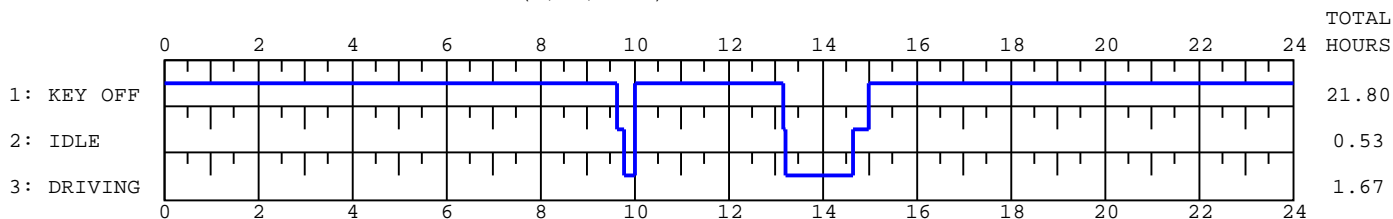
(6/15/2013)



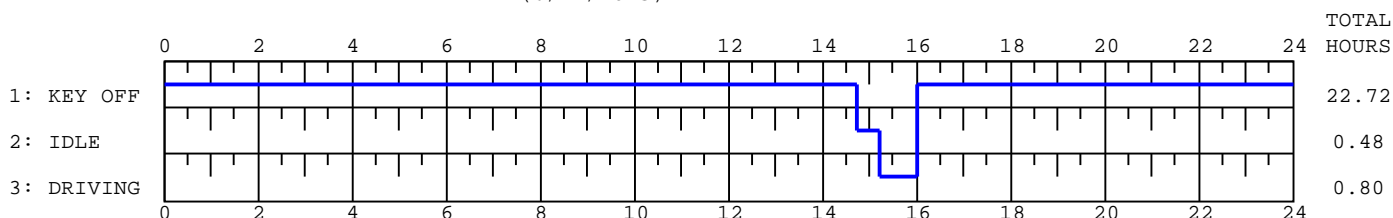
(6/14/2013)



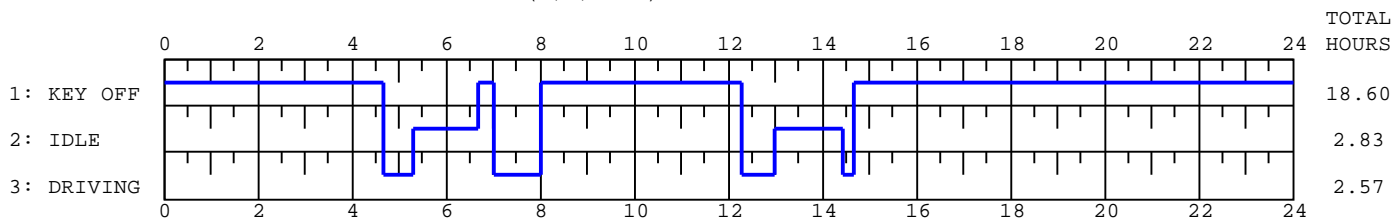
(6/13/2013)



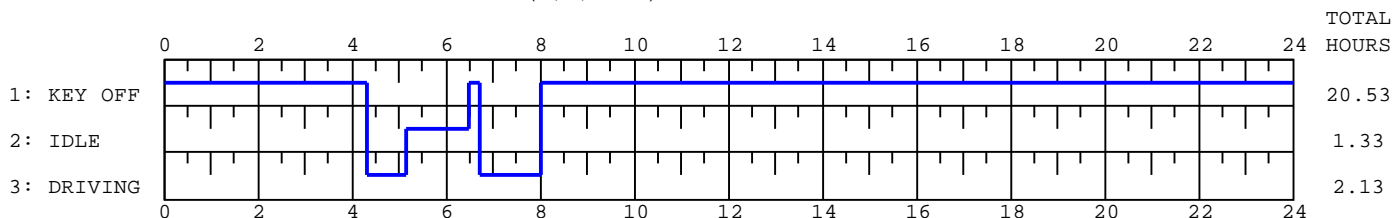
(6/11/2013)



(6/9/2013)



(6/8/2013)



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Vehicle ID:

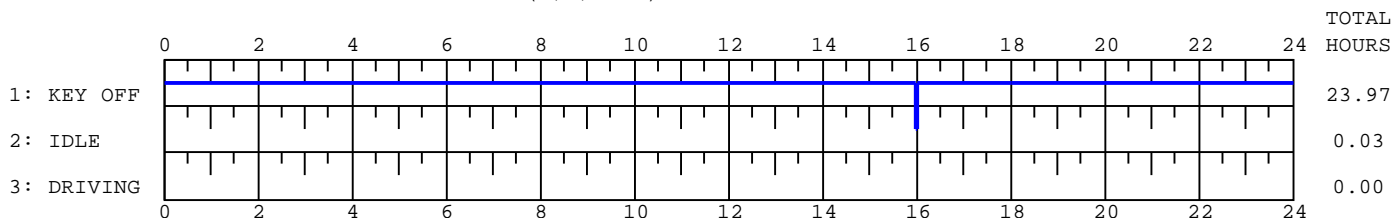
47504

Driver ID:

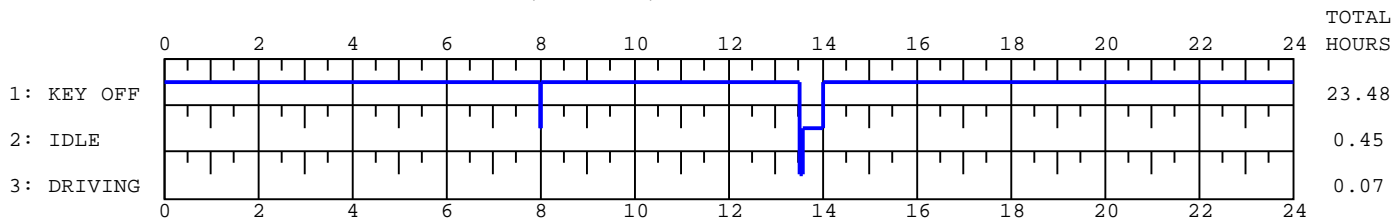
Engine S/N:

06R0992068

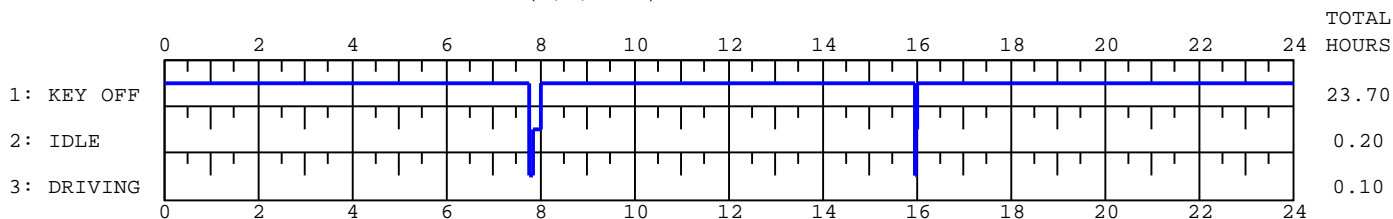
(6/7/2013)



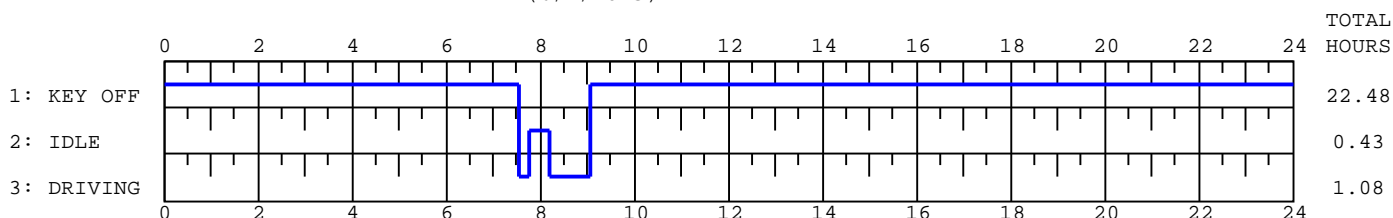
(6/6/2013)



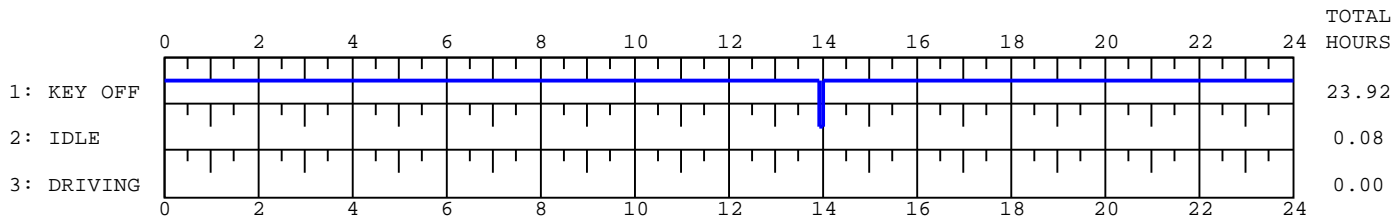
(6/5/2013)



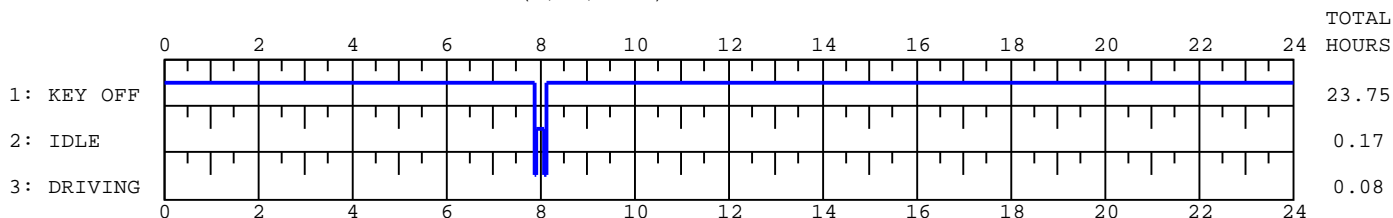
(6/1/2013)



(5/30/2013)



(5/23/2013)



# DDEC® Reports - Daily Engine Usage

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Vehicle ID:

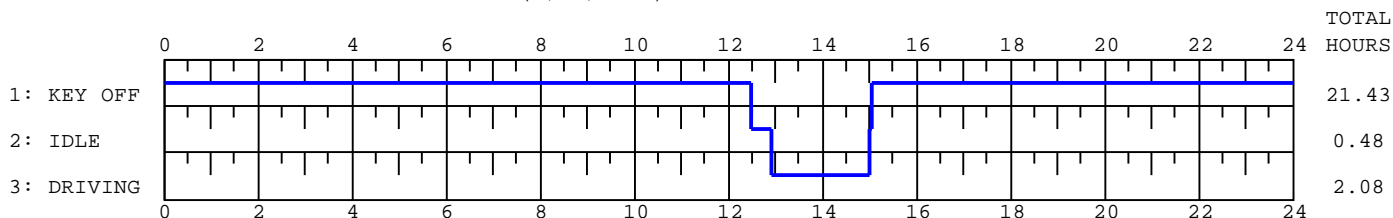
47504

Driver ID:

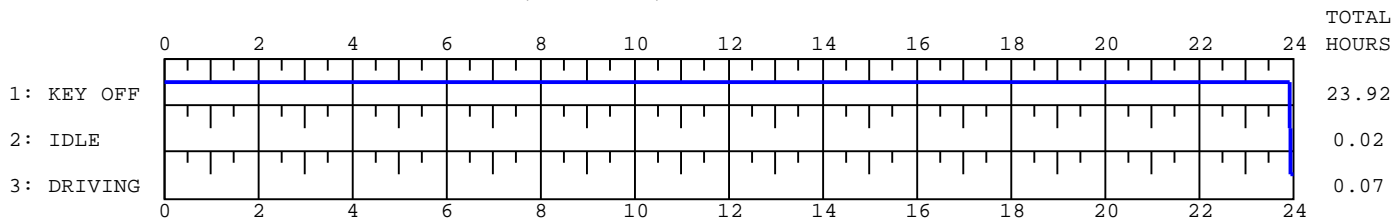
Engine S/N:

06R0992068

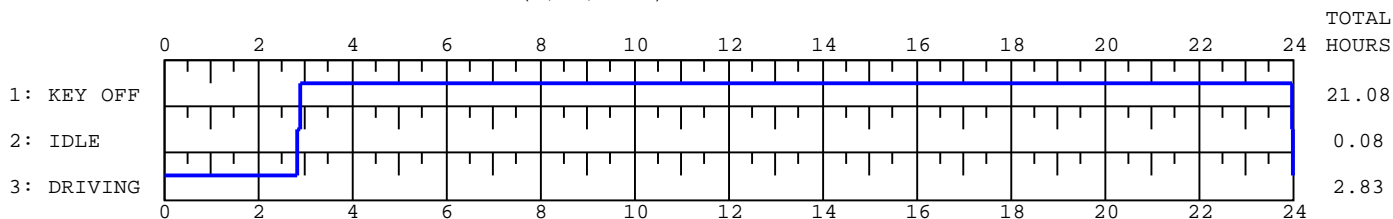
(5/20/2013)



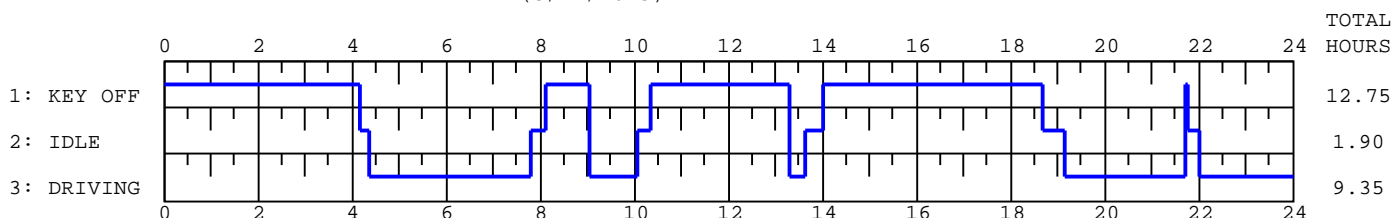
(5/19/2013)



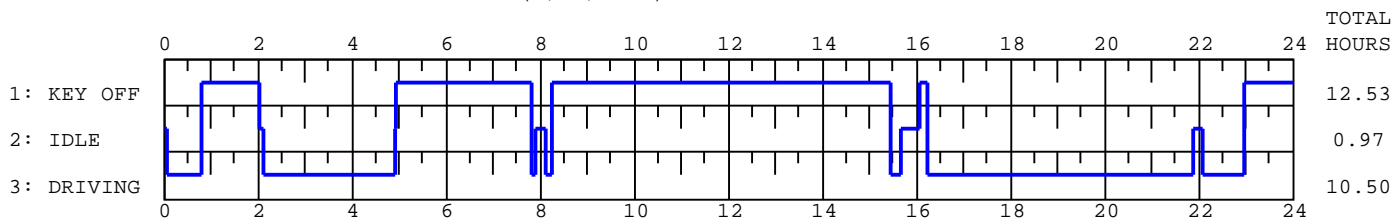
(5/18/2013)



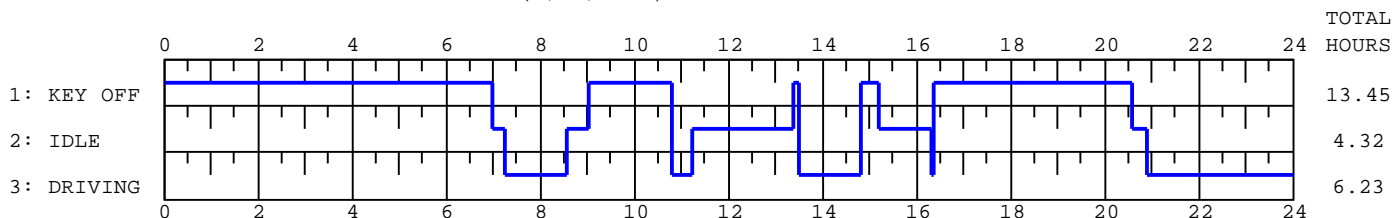
(5/17/2013)



(5/16/2013)



(5/15/2013)



# DDEC® Reports - Daily Engine Usage

Print Date: 7/5/2013 1:44 PM

Date Range: 07/03/13 To 05/15/13 (CST)

University of Tulsa

800 S. Tucker Dr

Tulsa, OK 74104

(918)631-3056

Vehicle ID:

47504

Driver ID:

Engine S/N:

06R0992068

Date:	7/3/2013
Start Time:	08:10:20 CST
Odometer:	567554.80 mi
Distance:	2.80 mi
Fuel:	1.25 gal
Fuel Economy:	2.24 mpg
Average Speed:	3.43 mph

Total (hh:mm)	00:49	00:46	22:25
Hour (CST)	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	5	115
10:00-12:00	3	3	114
12:00-14:00	45	27	48
14:00-16:00	1	11	108
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:	7/2/2013
Start Time:	05:04:58 CST
Odometer:	567554.80 mi
Distance:	0.00 mi
Fuel:	0.00 gal
Fuel Economy:	0.00 mpg
Average Speed:	0.00 mph

Total (hh:mm)	00:00	00:00	24:00
Hour (CST)	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:	7/1/2013
Start Time:	11:31:10 CST
Odometer:	567552.50 mi
Distance:	2.30 mi
Fuel:	0.25 gal
Fuel Economy:	9.20 mpg
Average Speed:	17.25 mph

Total (hh:mm)	00:08	00:04	23:48
Hour (CST)	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	2	118
12:00-14:00	0	0	120
14:00-16:00	8	2	110
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: 7/5/2013 1:44 PM

Date Range: 07/03/13 To 05/15/13 (CST)

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Tulsa, OK 74104

(918)631-3056

Vehicle ID:

47504

Driver ID:

Engine S/N:

06R0992068

Date:	6/28/2013
Start Time:	05:44:08 CST
Odometer:	567552.50 mi
Distance:	0.00 mi
Fuel:	0.00 gal
Fuel Economy:	0.00 mpg
Average Speed:	0.00 mph

Total (hh:mm)	00:00	00:09	23:51
Hour (CST)	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	5	115
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	4	116
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:	6/27/2013
Start Time:	06:42:42 CST
Odometer:	567551.80 mi
Distance:	0.70 mi
Fuel:	0.00 gal
Fuel Economy:	0.00 mpg
Average Speed:	14.00 mph

Total (hh:mm)	00:03	00:07	23:50
Hour (CST)	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	3	7	110
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:	6/23/2013
Start Time:	06:50:46 CST
Odometer:	567551.80 mi
Distance:	0.00 mi
Fuel:	0.00 gal
Fuel Economy:	0.00 mpg
Average Speed:	0.00 mph

Total (hh:mm)	00:01	00:05	23:54
Hour (CST)	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	4	116
08:00-10:00	1	1	118
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: 7/5/2013 1:44 PM  
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 Tulsa, OK 74104  
 (918)631-3056

Date Range: 07/03/13 To 05/15/13 (CST)

Vehicle ID: 47504  
 Driver ID:  
 Engine S/N: 06R0992068

Date:	6/22/2013
Start Time:	05:53:25 CST
Odometer:	567536.60 mi
Distance:	15.20 mi
Fuel:	3.50 gal
Fuel Economy:	4.34 mpg
Average Speed:	5.18 mph

Total (hh:mm)	02:56	02:31	18:33
Hour (CST)	Drive(min)	Idle(min)	Off(min)
00:00-02:00	0	0	120
02:00-04:00	0	0	120
04:00-06:00	1	5	114
06:00-08:00	48	72	0
08:00-10:00	80	34	6
10:00-12:00	26	19	75
12:00-14:00	0	0	120
14:00-16:00	21	21	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:	6/21/2013
Start Time:	14:27:24 CST
Odometer:	567530.70 mi
Distance:	5.90 mi
Fuel:	1.75 gal
Fuel Economy:	3.37 mpg
Average Speed:	4.99 mph

Total (hh:mm)	01:11	01:09	21:40
Hour (CST)	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	50	42	28
16:00-18:00	21	27	72
18:00-20:00	0	0	120
20:00-22:00	0	0	120
22:00-24:00	0	0	120

Date:	6/20/2013
Start Time:	14:40:20 CST
Odometer:	567529.00 mi
Distance:	1.70 mi
Fuel:	0.25 gal
Fuel Economy:	6.80 mpg
Average Speed:	6.80 mph

Total (hh:mm)	00:15	00:10	23:35
Hour (CST)	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	15	10	95
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: 7/5/2013 1:44 PM

Date Range: 07/03/13 To 05/15/13 (CST)

University of Tulsa

800 S. Tucker Dr

Tulsa, OK 74104

(918)631-3056

Vehicle ID:

47504

Driver ID:

Engine S/N:

06R0992068

Date:	6/19/2013
Start Time:	14:14:02 CST
Odometer:	567517.30 mi
Distance:	11.70 mi
Fuel:	2.75 gal
Fuel Economy:	4.25 mpg
Average Speed:	5.90 mph

Total (hh:mm)	01:59	01:10	20:51
Hour (CST)	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	70	35	15
16:00-18:00	49	35	36
18:00-20:00	0	0	120
20:00-22:00	0	0	120
22:00-24:00	0	0	120

Date:	6/18/2013
Start Time:	14:23:49 CST
Odometer:	567513.60 mi
Distance:	3.70 mi
Fuel:	0.75 gal
Fuel Economy:	4.93 mpg
Average Speed:	4.72 mph

Total (hh:mm)	00:47	00:23	22:50
Hour (CST)	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	47	23	50
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:	6/16/2013
Start Time:	05:52:45 CST
Odometer:	567501.40 mi
Distance:	12.20 mi
Fuel:	2.00 gal
Fuel Economy:	6.10 mpg
Average Speed:	6.54 mph

Total (hh:mm)	01:52	01:32	20:36
Hour (CST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	0	0	120
02:00-04:00	0	0	120
04:00-06:00	1	4	115
06:00-08:00	60	54	6
08:00-10:00	51	34	35
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: 7/5/2013 1:44 PM

Date Range: 07/03/13 To 05/15/13 (CST)

University of Tulsa

800 S. Tucker Dr

Tulsa, OK 74104

(918)631-3056

Vehicle ID:

47504

Driver ID:

Engine S/N:

06R0992068

Date:	6/15/2013
Start Time:	08:34:29 CST
Odometer:	567491.30 mi
Distance:	10.10 mi
Fuel:	1.50 gal
Fuel Economy:	6.73 mpg
Average Speed:	6.89 mph

Total (hh:mm)	01:28	00:30	22:02
Hour (CST)	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	35	7	78
10:00-12:00	0	0	120
12:00-14:00	0	0	120
14:00-16:00	45	23	52
16:00-18:00	8	0	112
18:00-20:00	0	0	120
20:00-22:00	0	0	120
22:00-24:00	0	0	120

Date:	6/14/2013
Start Time:	08:03:47 CST
Odometer:	567488.20 mi
Distance:	3.10 mi
Fuel:	0.75 gal
Fuel Economy:	4.13 mpg
Average Speed:	3.96 mph

Total (hh:mm)	00:47	00:39	22:34
Hour (CST)	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	6	114
10:00-12:00	0	0	120
12:00-14:00	0	0	120
14:00-16:00	47	33	40
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:	6/13/2013
Start Time:	08:24:37 CST
Odometer:	567472.20 mi
Distance:	16.00 mi
Fuel:	1.75 gal
Fuel Economy:	9.14 mpg
Average Speed:	9.60 mph

Total (hh:mm)	01:40	00:32	21:48
Hour (CST)	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	14	9	97
10:00-12:00	0	0	120
12:00-14:00	48	3	69
14:00-16:00	38	20	62
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: 7/5/2013 1:44 PM

Date Range: 07/03/13 To 05/15/13 (CST)

University of Tulsa

800 S. Tucker Dr

Tulsa, OK 74104

(918)631-3056

Vehicle ID:

47504

Driver ID:

Engine S/N:

06R0992068

Date:	6/11/2013
Start Time:	14:33:35 CST
Odometer:	567470.40 mi
Distance:	1.80 mi
Fuel:	0.75 gal
Fuel Economy:	2.40 mpg
Average Speed:	2.25 mph

Total (hh:mm)	00:48	00:29	22:43
Hour (CST)	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	48	29	43
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:	6/9/2013
Start Time:	04:22:02 CST
Odometer:	567459.60 mi
Distance:	10.80 mi
Fuel:	3.00 gal
Fuel Economy:	3.60 mpg
Average Speed:	4.21 mph

Total (hh:mm)	02:34	02:50	18:36
Hour (CST)	Drive(min)	Idle(min)	Off(min)
00:00-02:00	0	0	120
02:00-04:00	0	0	120
04:00-06:00	38	43	39
06:00-08:00	60	40	20
08:00-10:00	0	0	120
10:00-12:00	0	0	120
12:00-14:00	42	62	16
14:00-16:00	14	25	81
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:	6/8/2013
Start Time:	04:11:14 CST
Odometer:	567446.40 mi
Distance:	13.20 mi
Fuel:	2.75 gal
Fuel Economy:	4.80 mpg
Average Speed:	6.19 mph

Total (hh:mm)	02:08	01:20	20:32
Hour (CST)	Drive(min)	Idle(min)	Off(min)
00:00-02:00	0	0	120
02:00-04:00	0	0	120
04:00-06:00	50	52	18
06:00-08:00	78	28	14
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: 7/5/2013 1:44 PM

Date Range: 07/03/13 To 05/15/13 (CST)

University of Tulsa

800 S. Tucker Dr

Tulsa, OK 74104

(918)631-3056

Vehicle ID:

47504

Driver ID:

Engine S/N:

06R0992068

Date:	6/7/2013
Start Time:	14:33:44 CST
Odometer:	567446.40 mi
Distance:	0.00 mi
Fuel:	0.00 gal
Fuel Economy:	0.00 mpg
Average Speed:	0.00 mph

Total (hh:mm)	00:00	00:02	23:58
Hour (CST)	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	2	118
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:	6/6/2013
Start Time:	06:31:50 CST
Odometer:	567446.20 mi
Distance:	0.20 mi
Fuel:	0.25 gal
Fuel Economy:	0.80 mpg
Average Speed:	3.00 mph

Total (hh:mm)	00:04	00:27	23:29
Hour (CST)	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	1	119
08:00-10:00	0	0	120
10:00-12:00	0	0	120
12:00-14:00	4	26	90
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:	6/5/2013
Start Time:	06:31:07 CST
Odometer:	567444.70 mi
Distance:	1.50 mi
Fuel:	0.25 gal
Fuel Economy:	6.00 mpg
Average Speed:	15.00 mph

Total (hh:mm)	00:06	00:12	23:42
Hour (CST)	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	5	10	105
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	1	2	117
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: 7/5/2013 1:44 PM

Date Range: 07/03/13 To 05/15/13 (CST)

University of Tulsa

800 S. Tucker Dr

Tulsa, OK 74104

(918)631-3056

Vehicle ID:

47504

Driver ID:

Engine S/N:

06R0992068

Date:	6/1/2013
Start Time:	07:22:52 CST
Odometer:	567438.00 mi
Distance:	6.70 mi
Fuel:	1.00 gal
Fuel Economy:	6.70 mpg
Average Speed:	6.18 mph

Total (hh:mm)	01:05	00:26	22:29
Hour (CST)	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	13	15	92
08:00-10:00	52	11	57
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:	5/30/2013
Start Time:	12:12:46 CST
Odometer:	567437.90 mi
Distance:	0.10 mi
Fuel:	0.00 gal
Fuel Economy:	0.00 mpg
Average Speed:	0.00 mph

Total (hh:mm)	00:00	00:05	23:55
Hour (CST)	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	5	115
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:	5/23/2013
Start Time:	07:39:49 CST
Odometer:	567437.50 mi
Distance:	0.40 mi
Fuel:	0.00 gal
Fuel Economy:	0.00 mpg
Average Speed:	4.80 mph

Total (hh:mm)	00:05	00:10	23:45
Hour (CST)	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	2	6	112
08:00-10:00	3	4	113
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: 7/5/2013 1:44 PM  
 University of Tulsa  
 800 S. Tucker Dr  
 Tulsa, OK 74104  
 (918)631-3056

Date Range: 07/03/13 To 05/15/13 (CST)

Vehicle ID: 47504  
 Driver ID:  
 Engine S/N: 06R0992068

Date:	5/20/2013
Start Time:	12:21:37 CST
Odometer:	567330.90 mi
Distance:	106.60 mi
Fuel:	15.50 gal
Fuel Economy:	6.88 mpg
Average Speed:	51.17 mph

Total (hh:mm)	02:05	00:29	21:26
Hour (CST)	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	66	26	28
14:00-16:00	59	3	58
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:	5/19/2013
Start Time:	22:37:43 CST
Odometer:	567330.40 mi
Distance:	0.50 mi
Fuel:	0.00 gal
Fuel Economy:	0.00 mpg
Average Speed:	7.50 mph

Total (hh:mm)	00:04	00:01	23:55
Hour (CST)	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	4	1	115

Date:	5/18/2013
Start Time:	00:00:00 CST
Odometer:	567161.20 mi
Distance:	169.20 mi
Fuel:	29.00 gal
Fuel Economy:	5.83 mpg
Average Speed:	59.72 mph

Total (hh:mm)	02:50	00:05	21:05
Hour (CST)	Drive(min)	Idle(min)	Off(min)
00:00-02:00	120	0	0
02:00-04:00	49	4	67
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	1	1	118

# DDEC® Reports - Daily Engine Usage

Print Date: 7/5/2013 1:44 PM  
 University of Tulsa  
 800 S. Tucker Dr  
 Tulsa, OK 74104  
 (918)631-3056

Date Range: 07/03/13 To 05/15/13 (CST)

Vehicle ID: 47504  
 Driver ID:  
 Engine S/N: 06R0992068

Date:	5/17/2013
Start Time:	04:08:10 CST
Odometer:	566646.70 mi
Distance:	514.50 mi
Fuel:	90.00 gal
Fuel Economy:	5.72 mpg
Average Speed:	55.03 mph

Total (hh:mm)	09:21	01:54	12:45
Hour (CST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	0	0	120
02:00-04:00	0	0	120
04:00-06:00	99	12	9
06:00-08:00	107	13	0
08:00-10:00	58	6	56
10:00-12:00	3	17	100
12:00-14:00	20	23	77
14:00-16:00	0	0	120
16:00-18:00	0	0	120
18:00-20:00	52	28	40
20:00-22:00	102	15	3
22:00-24:00	120	0	0

Date:	5/16/2013
Start Time:	00:00:00 CST
Odometer:	566044.00 mi
Distance:	602.70 mi
Fuel:	97.75 gal
Fuel Economy:	6.17 mpg
Average Speed:	57.40 mph

Total (hh:mm)	10:30	00:58	12:32
Hour (CST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	44	3	73
02:00-04:00	114	5	1
04:00-06:00	54	1	65
06:00-08:00	5	7	108
08:00-10:00	8	6	106
10:00-12:00	0	0	120
12:00-14:00	0	0	120
14:00-16:00	13	21	86
16:00-18:00	107	3	10
18:00-20:00	120	0	0
20:00-22:00	112	8	0
22:00-24:00	53	4	63

Date:	5/15/2013
Start Time:	06:37:50 CST
Odometer:	565757.80 mi
Distance:	286.20 mi
Fuel:	45.75 gal
Fuel Economy:	6.26 mpg
Average Speed:	45.91 mph

Total (hh:mm)	06:14	04:19	13:27
Hour (CST)	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	46	16	58
08:00-10:00	33	28	59
10:00-12:00	26	47	47
12:00-14:00	31	82	7
14:00-16:00	48	49	23
16:00-18:00	3	18	99
18:00-20:00	0	0	120
20:00-22:00	67	19	34
22:00-24:00	120	0	0

# DDEC® Reports - Hard Brake

# #1

Print Date: 7/5/2013 1:44 PM  
 University of Tulsa  
 800 S. Tucker Dr  
 Tulsa, OK 74104  
 (918)631-3056

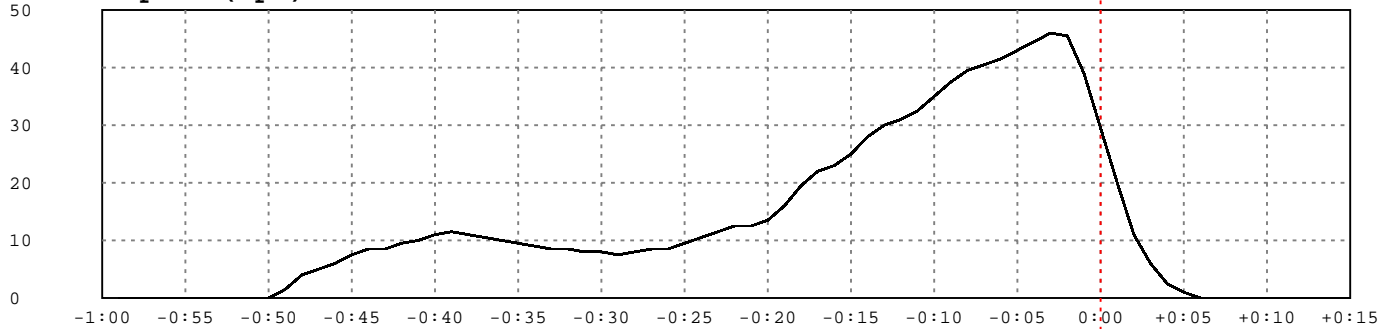
Trip: - To 07/03/13 (CST)  
 Vehicle ID: 47504  
 Driver ID:  
 Odometer: 567557.6 mi  
 Engine S/N: 06R0992068

Trip Distance	567557.6 mi	Trip Time	12772:10:53
Trip Fuel	98076.96 gal	Fuel Consumption	7.68 gal/h
Fuel Economy	5.79 mpg	Idle Time	2277:07:29
Avg Drive Load	50 %	Idle Percent	17.83 %
Avg Vehicle Speed	54.2 mph	Idle Fuel	1312.08 gal
		Parked Regen Time	17:12:03

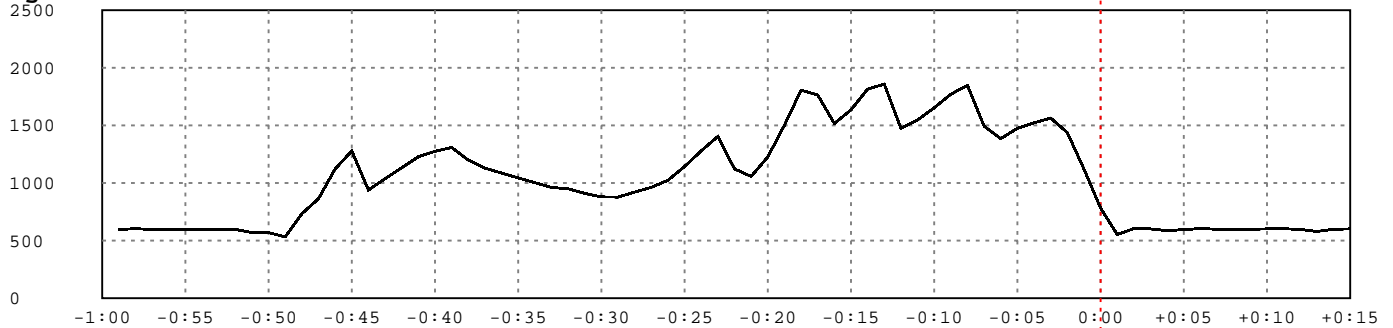
Incident Time: 07/03/13 13:46:09 (CST)

Incident Odometer: 567557.0 mi

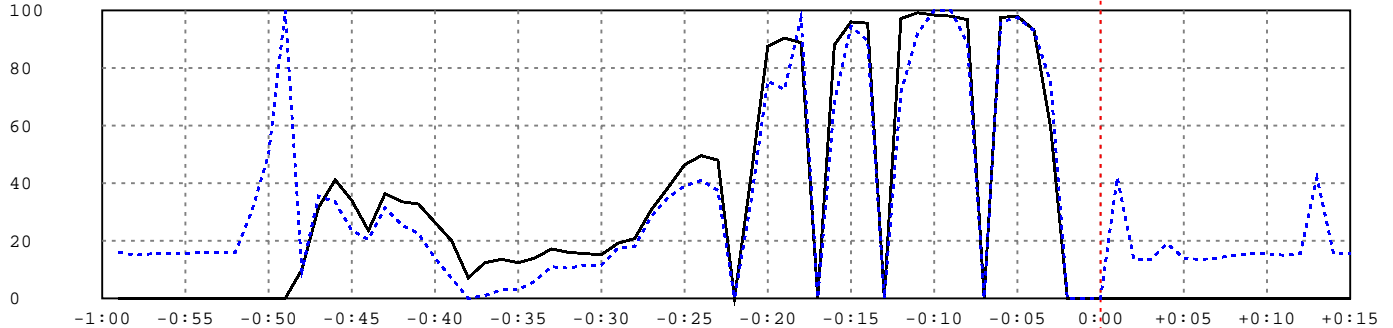
**Vehicle Speed (mph)**



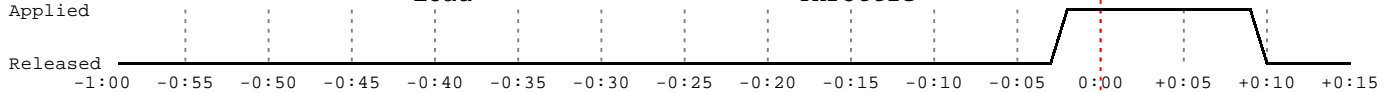
**Engine RPM**



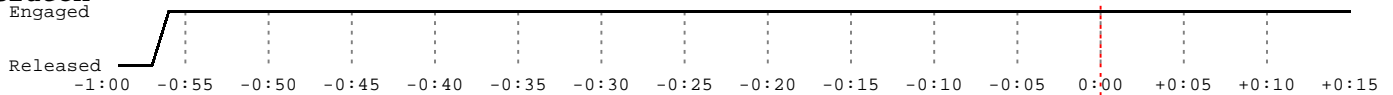
**Percent**



**Brake**



**Clutch**



# DDEC® Reports - Hard Brake

## #2

Print Date: 7/5/2013 1:44 PM  
University of Tulsa  
800 S. Tucker Dr  
Tulsa, OK 74104  
(918)631-3056

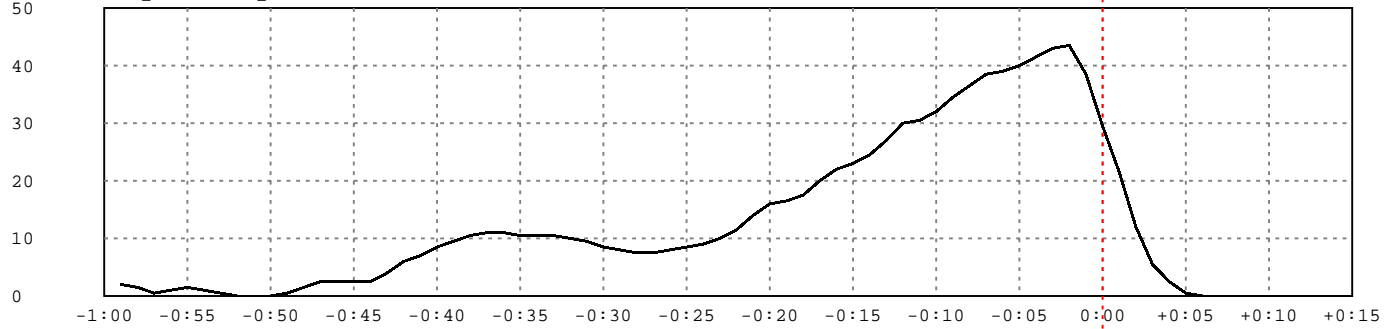
Trip: - To 07/03/13 (CST)  
Vehicle ID: 47504  
Driver ID:  
Odometer: 567557.6 mi  
Engine S/N: 06R0992068

Trip Distance	567557.6 mi	Trip Time	12772:10:53
Trip Fuel	98076.96 gal	Fuel Consumption	7.68 gal/h
Fuel Economy	5.79 mpg	Idle Time	2277:07:29
Avg Drive Load	50 %	Idle Percent	17.83 %
Avg Vehicle Speed	54.2 mph	Idle Fuel	1312.08 gal
		Parked Regen Time	17:12:03

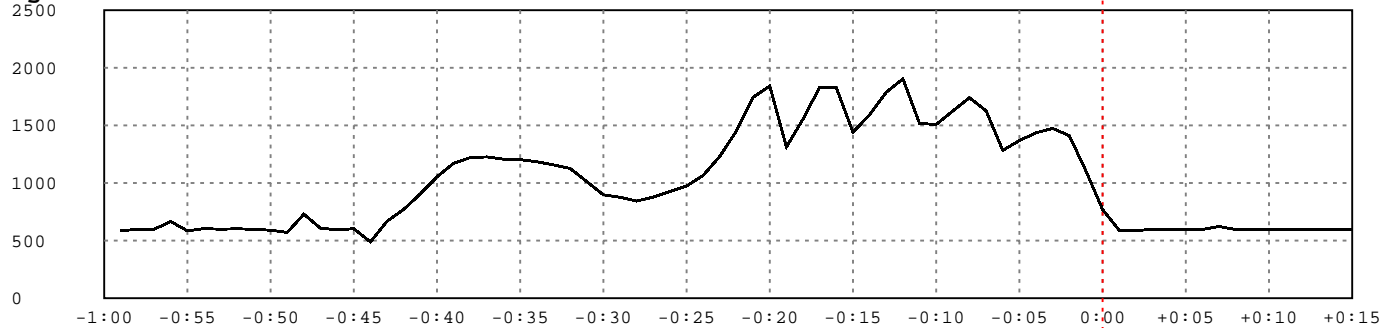
Incident Time: 07/03/13 13:47:29 (CST)

Incident Odometer: 567557.3 mi

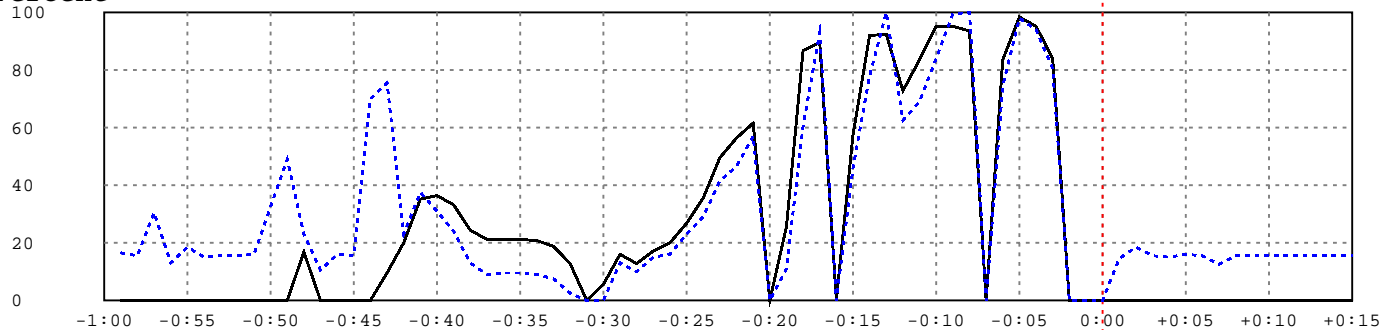
### Vehicle Speed (mph)



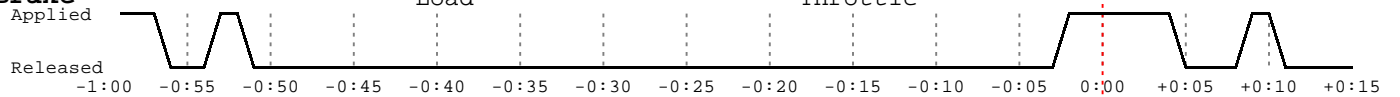
### Engine RPM



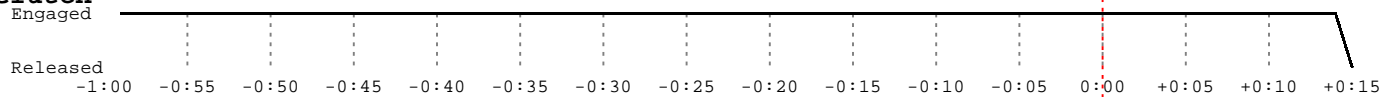
### Percent



### Brake



### Clutch





# DDEC® Reports - Hard Brake

# #1

Print Date: 7/5/2013 1:44 PM  
 University of Tulsa  
 800 S. Tucker Dr  
 Tulsa, OK 74104  
 (918)631-3056

Trip: - To 07/03/13 (CST)  
 Vehicle ID: 47504  
 Driver ID:  
 Odometer: 567557.6 mi  
 Engine S/N: 06R0992068

Trip Distance	567557.6 mi	Trip Time	12772:10:53
Trip Fuel	98076.96 gal	Fuel Consumption	7.68 gal/h
Fuel Economy	5.79 mpg	Idle Time	2277:07:29
Avg Drive Load	50 %	Idle Percent	17.83 %
Avg Vehicle Speed	54.2 mph	Idle Fuel	1312.08 gal
		Parked Regen Time	17:12:03

Incident Time: 7/3/2013 1:46:09 PM (CST) Incident Odometer: 567557.0 mi

Time	Vehicle Speed (mph)	Engine Speed (rpm)	Brake	Clutch	Engine Load (%)	Throttle (%)	Cruise	Diag. Code
-0:59	0.0	598	No	No	16.00	0.00	No	Yes
-0:58	0.0	603	No	No	15.00	0.00	No	Yes
-0:57	0.0	599	No	No	15.50	0.00	No	No
-0:56	0.0	598	No	Yes	15.50	0.00	No	No
-0:55	0.0	600	No	Yes	15.50	0.00	No	No
-0:54	0.0	596	No	Yes	16.00	0.00	No	No
-0:53	0.0	597	No	Yes	16.00	0.00	No	No
-0:52	0.0	598	No	Yes	16.00	0.00	No	No
-0:51	0.0	570	No	Yes	30.50	0.00	No	No
-0:50	0.0	570	No	Yes	50.00	0.00	No	No
-0:49	1.5	533	No	Yes	100.00	0.00	No	No
-0:48	4.0	734	No	Yes	9.50	10.00	No	No
-0:47	5.0	864	No	Yes	35.50	31.60	No	No
-0:46	6.0	1123	No	Yes	33.50	41.20	No	No
-0:45	7.5	1278	No	Yes	23.50	34.00	No	No
-0:44	8.5	939	No	Yes	20.50	23.60	No	No
-0:43	8.5	1038	No	Yes	31.50	36.40	No	No
-0:42	9.5	1133	No	Yes	25.50	33.60	No	No
-0:41	10.0	1229	No	Yes	22.50	32.80	No	No
-0:40	11.0	1275	No	Yes	14.00	26.40	No	No
-0:39	11.5	1310	No	Yes	7.00	20.00	No	No
-0:38	11.0	1199	No	Yes	0.00	7.20	No	No
-0:37	10.5	1131	No	Yes	1.00	12.40	No	No
-0:36	10.0	1087	No	Yes	3.00	13.60	No	No
-0:35	9.5	1046	No	Yes	3.00	12.40	No	No
-0:34	9.0	1004	No	Yes	6.00	14.00	No	No
-0:33	8.5	962	No	Yes	11.00	17.20	No	No
-0:32	8.5	951	No	Yes	10.50	16.00	No	No
-0:31	8.0	910	No	Yes	11.50	15.60	No	No
-0:30	8.0	880	No	Yes	11.50	15.20	No	No
-0:29	7.5	879	No	Yes	17.50	19.20	No	No
-0:28	8.0	922	No	Yes	18.00	20.80	No	No
-0:27	8.5	964	No	Yes	28.50	30.80	No	No
-0:26	8.5	1024	No	Yes	35.00	38.40	No	No
-0:25	9.5	1144	No	Yes	39.00	46.40	No	No
-0:24	10.5	1280	No	Yes	41.00	49.60	No	No
-0:23	11.5	1405	No	Yes	37.50	48.00	No	No
-0:22	12.5	1123	No	Yes	0.00	0.00	No	No
-0:21	12.5	1057	No	Yes	34.00	42.80	No	No
-0:20	13.5	1227	No	Yes	75.50	87.60	No	No

# DDEC® Reports - Hard Brake

# #1

Print Date: 7/5/2013 1:44 PM  
 University of Tulsa  
 800 S. Tucker Dr  
 Tulsa, OK 74104  
 (918)631-3056

Trip: - To 07/03/13 (CST)  
 Vehicle ID: 47504  
 Driver ID:  
 Odometer: 567557.6 mi  
 Engine S/N: 06R0992068

Incident Time: 7/3/2013 1:46:09 PM (CST)

Incident Odometer: 567557.0 mi

Time	Vehicle Speed (mph)	Engine Speed (rpm)	Brake	Clutch	Engine Load (%)	Throttle (%)	Cruise	Diag. Code
-0:19	16.0	1502	No	Yes	72.50	90.40	No	No
-0:18	19.5	1807	No	Yes	97.50	88.80	No	No
-0:17	22.0	1765	No	Yes	0.00	0.00	No	No
-0:16	23.0	1518	No	Yes	68.00	88.00	No	No
-0:15	25.0	1636	No	Yes	94.50	96.00	No	No
-0:14	28.0	1816	No	Yes	89.50	95.60	No	No
-0:13	30.0	1859	No	Yes	0.00	0.00	No	No
-0:12	31.0	1475	No	Yes	71.50	97.20	No	No
-0:11	32.5	1547	No	Yes	92.00	99.20	No	No
-0:10	35.0	1654	No	Yes	100.00	98.40	No	No
-0:09	37.5	1772	No	Yes	100.00	98.00	No	No
-0:08	39.5	1848	No	Yes	88.50	96.80	No	No
-0:07	40.5	1494	No	Yes	0.00	0.00	No	No
-0:06	41.5	1386	No	Yes	96.00	97.60	No	No
-0:05	43.0	1475	No	Yes	97.50	98.00	No	No
-0:04	44.5	1523	No	Yes	93.00	93.20	No	No
-0:03	46.0	1564	No	Yes	75.00	59.20	No	No
-0:02	45.5	1438	Yes	Yes	0.00	0.00	No	No
-0:01	39.0	1122	Yes	Yes	0.00	0.00	No	No
0:00	29.5	783	Yes	Yes	0.00	0.00	No	No
+0:01	20.0	554	Yes	Yes	42.00	0.00	No	No
+0:02	11.0	606	Yes	Yes	13.50	0.00	No	No
+0:03	6.0	602	Yes	Yes	13.50	0.00	No	No
+0:04	2.5	587	Yes	Yes	19.00	0.00	No	No
+0:05	1.0	597	Yes	Yes	14.00	0.00	No	No
+0:06	0.0	604	Yes	Yes	13.50	0.00	No	No
+0:07	0.0	599	Yes	Yes	14.00	0.00	No	No
+0:08	0.0	601	Yes	Yes	15.00	0.00	No	No
+0:09	0.0	599	Yes	Yes	15.50	0.00	No	No
+0:10	0.0	602	No	Yes	15.50	0.00	No	No
+0:11	0.0	603	No	Yes	15.00	0.00	No	No
+0:12	0.0	598	No	Yes	15.50	0.00	No	No
+0:13	0.0	580	No	Yes	42.00	0.00	No	No
+0:14	0.0	599	No	Yes	15.50	0.00	No	No
+0:15	0.0	603	No	Yes	15.50	0.00	No	No

# DDEC® Reports - Hard Brake

# #2

Print Date: 7/5/2013 1:44 PM  
 University of Tulsa  
 800 S. Tucker Dr  
 Tulsa, OK 74104  
 (918)631-3056

Trip: - To 07/03/13 (CST)  
 Vehicle ID: 47504  
 Driver ID:  
 Odometer: 567557.6 mi  
 Engine S/N: 06R0992068

Trip Distance	567557.6 mi	Trip Time	12772:10:53
Trip Fuel	98076.96 gal	Fuel Consumption	7.68 gal/h
Fuel Economy	5.79 mpg	Idle Time	2277:07:29
Avg Drive Load	50 %	Idle Percent	17.83 %
Avg Vehicle Speed	54.2 mph	Idle Fuel	1312.08 gal
		Parked Regen Time	17:12:03

Incident Time: 7/3/2013 1:47:29 PM (CST) Incident Odometer: 567557.3 mi

Time	Vehicle Speed (mph)	Engine Speed (rpm)	Brake	Clutch	Engine Load (%)	Throttle (%)	Cruise	Diag. Code
-0:59	2.0	587	Yes	Yes	16.50	0.00	No	No
-0:58	1.5	598	Yes	Yes	15.50	0.00	No	No
-0:57	0.5	599	Yes	Yes	30.50	0.00	No	No
-0:56	1.0	666	No	Yes	13.00	0.00	No	No
-0:55	1.5	585	No	Yes	18.50	0.00	No	No
-0:54	1.0	605	No	Yes	15.00	0.00	No	No
-0:53	0.5	600	Yes	Yes	15.50	0.00	No	No
-0:52	0.0	603	Yes	Yes	15.50	0.00	No	No
-0:51	0.0	598	No	Yes	16.00	0.00	No	No
-0:50	0.0	590	No	Yes	32.50	0.00	No	No
-0:49	0.5	572	No	Yes	49.00	0.00	No	No
-0:48	1.5	730	No	Yes	23.00	16.80	No	No
-0:47	2.5	608	No	Yes	10.50	0.00	No	No
-0:46	2.5	595	No	Yes	16.00	0.00	No	No
-0:45	2.5	604	No	Yes	15.50	0.00	No	No
-0:44	2.5	489	No	Yes	70.00	0.00	No	No
-0:43	4.0	669	No	Yes	75.50	9.60	No	No
-0:42	6.0	772	No	Yes	23.00	20.00	No	No
-0:41	7.0	906	No	Yes	37.50	35.20	No	No
-0:40	8.5	1054	No	Yes	31.00	36.40	No	No
-0:39	9.5	1171	No	Yes	24.00	33.20	No	No
-0:38	10.5	1221	No	Yes	13.00	24.40	No	No
-0:37	11.0	1227	No	Yes	9.00	21.20	No	No
-0:36	11.0	1208	No	Yes	9.50	21.20	No	No
-0:35	10.5	1203	No	Yes	9.50	21.20	No	No
-0:34	10.5	1185	No	Yes	9.00	20.80	No	No
-0:33	10.5	1157	No	Yes	7.50	18.80	No	No
-0:32	10.0	1128	No	Yes	2.50	12.80	No	No
-0:31	9.5	1013	No	Yes	0.00	0.00	No	No
-0:30	8.5	898	No	Yes	0.00	5.60	No	No
-0:29	8.0	877	No	Yes	13.00	16.00	No	No
-0:28	7.5	844	No	Yes	10.00	12.80	No	No
-0:27	7.5	878	No	Yes	15.00	17.20	No	No
-0:26	8.0	928	No	Yes	16.00	20.00	No	No
-0:25	8.5	974	No	Yes	23.00	26.80	No	No
-0:24	9.0	1067	No	Yes	29.00	35.60	No	No
-0:23	10.0	1232	No	Yes	41.50	49.60	No	No
-0:22	11.5	1454	No	Yes	46.50	56.40	No	No
-0:21	14.0	1746	No	Yes	57.00	61.60	No	No
-0:20	16.0	1842	No	Yes	0.00	0.00	No	No

# DDEC® Reports - Hard Brake

# #2

Print Date: 7/5/2013 1:44 PM  
 University of Tulsa  
 800 S. Tucker Dr  
 Tulsa, OK 74104  
 (918)631-3056

Trip: - To 07/03/13 (CST)  
 Vehicle ID: 47504  
 Driver ID:  
 Odometer: 567557.6 mi  
 Engine S/N: 06R0992068

Incident Time: 7/3/2013 1:47:29 PM (CST) Incident Odometer: 567557.3 mi

Time	Vehicle Speed (mph)	Engine Speed (rpm)	Brake	Clutch	Engine Load (%)	Throttle (%)	Cruise	Diag. Code
-0:19	16.5	1314	No	Yes	11.00	25.60	No	No
-0:18	17.5	1556	No	Yes	60.50	86.80	No	No
-0:17	20.0	1833	No	Yes	93.00	89.60	No	No
-0:16	22.0	1828	No	Yes	0.00	0.00	No	No
-0:15	23.0	1441	No	Yes	46.00	57.60	No	No
-0:14	24.5	1594	No	Yes	78.00	92.00	No	No
-0:13	27.0	1788	No	Yes	100.00	92.40	No	No
-0:12	30.0	1905	No	Yes	62.50	72.80	No	No
-0:11	30.5	1517	No	Yes	69.00	83.60	No	No
-0:10	32.0	1510	No	Yes	84.00	95.20	No	No
-0:09	34.5	1626	No	Yes	99.50	95.20	No	No
-0:08	36.5	1742	No	Yes	100.00	93.60	No	No
-0:07	38.5	1627	No	Yes	0.00	0.00	No	No
-0:06	39.0	1284	No	Yes	74.50	83.60	No	No
-0:05	40.0	1369	No	Yes	98.00	98.40	No	No
-0:04	41.5	1437	No	Yes	94.00	95.20	No	No
-0:03	43.0	1475	No	Yes	80.50	84.00	No	No
-0:02	43.5	1411	Yes	Yes	0.00	0.00	No	No
-0:01	38.5	1104	Yes	Yes	0.00	0.00	No	No
0:00	29.5	770	Yes	Yes	0.00	0.00	No	No
+0:01	21.5	589	Yes	Yes	14.50	0.00	No	No
+0:02	12.0	586	Yes	Yes	18.50	0.00	No	No
+0:03	5.5	599	Yes	Yes	15.50	0.00	No	No
+0:04	2.5	601	Yes	Yes	15.00	0.00	No	No
+0:05	0.5	595	No	Yes	16.00	0.00	No	No
+0:06	0.0	598	No	Yes	15.50	0.00	No	No
+0:07	0.0	623	No	Yes	12.50	0.00	No	No
+0:08	0.0	596	No	Yes	15.50	0.00	No	No
+0:09	0.0	600	Yes	Yes	15.50	0.00	No	No
+0:10	0.0	598	Yes	Yes	15.50	0.00	No	No
+0:11	0.0	600	No	Yes	15.50	0.00	No	No
+0:12	0.0	599	No	Yes	15.50	0.00	No	No
+0:13	0.0	600	No	Yes	15.50	0.00	No	No
+0:14	0.0	599	No	Yes	15.50	0.00	No	No
+0:15	0.0	600	No	No	15.50	0.00	No	No

# DDEC® Reports - Last Stop Record

Print Date: 7/5/2013 1:44 PM

University of Tulsa

800 S. Tucker Dr

Tulsa, OK 74104

(918)631-3056

Trip: - To 07/03/13 (CST)

Vehicle ID:

47504

Driver ID:

Odometer:

567557.6 mi

Engine S/N:

06R0992068

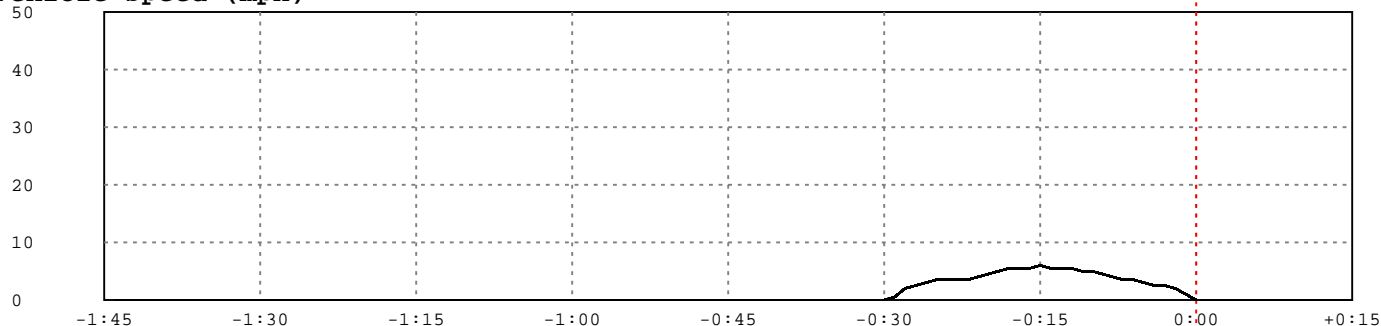
Trip Distance 567557.6 mi  
 Trip Fuel 98076.96 gal  
 Fuel Economy 5.79 mpg  
 Avg Drive Load 50 %  
 Avg Vehicle Speed 54.2 mph

Trip Time 12772:10:53  
 Fuel Consumption 7.68 gal/h  
 Idle Time 2277:07:29  
 Idle Percent 17.83 %  
 Idle Fuel 1312.08 gal  
 Parked Regen Time 17:12:03

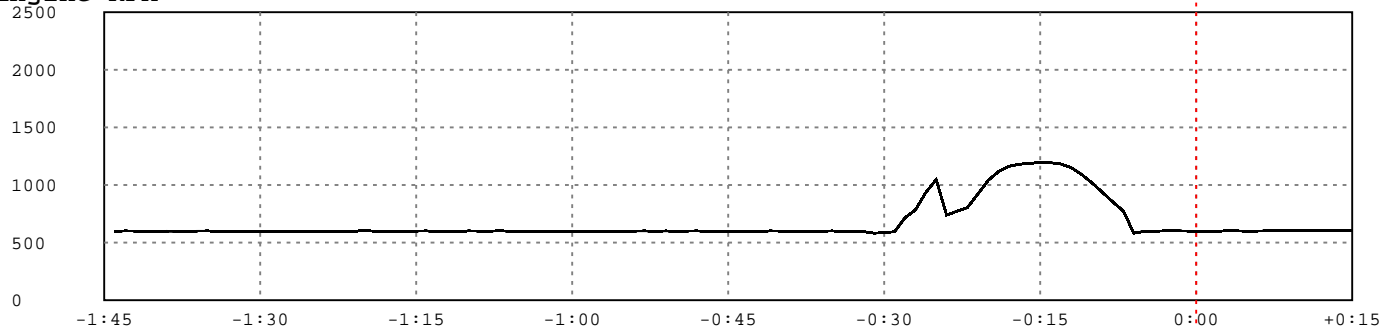
Last Stop Time: 07/03/13 14:25:48 (CST)

Last Stop Odometer: 567557.6 mi

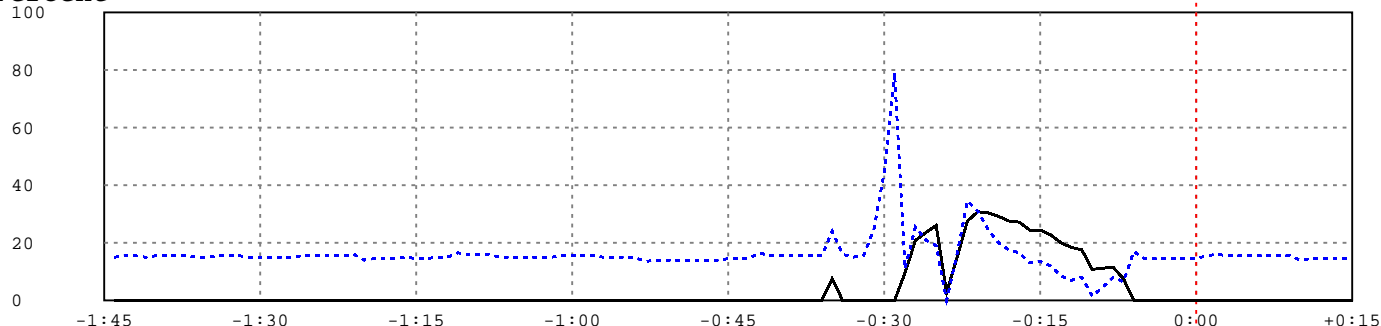
## Vehicle Speed (mph)



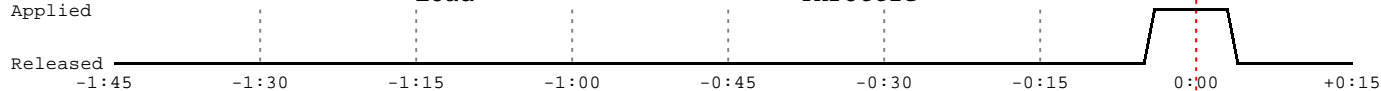
## Engine RPM



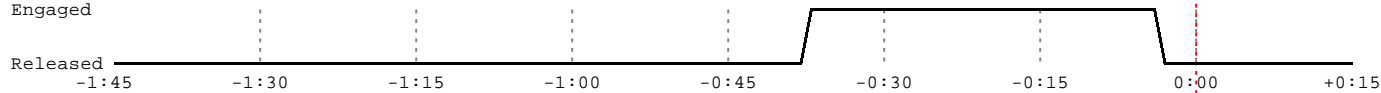
## Percent



## Brake



## Clutch



# DDEC® Reports - Last Stop Record

Print Date: 7/5/2013 1:44 PM  
 University of Tulsa  
 800 S. Tucker Dr  
 Tulsa, OK 74104  
 (918)631-3056

Trip: - To 07/03/13 (CST)  
 Vehicle ID: 47504  
 Driver ID:  
 Odometer: 567557.6 mi  
 Engine S/N: 06R0992068

Trip Distance	567557.6 mi	Trip Time	12772:10:53
Trip Fuel	98076.96 gal	Fuel Consumption	7.68 gal/h
Fuel Economy	5.79 mpg	Idle Time	2277:07:29
Avg Drive Load	50 %	Idle Percent	17.83 %
Avg Vehicle Speed	54.2 mph	Idle Fuel	1312.08 gal
		Parked Regen Time	17:12:03

Last Stop Time: 7/3/2013 2:25:48 PM (CST)      Last Stop Odometer: 567557.6 mi

Time	Vehicle Speed (mph)	Engine Speed (rpm)	Brake	Clutch	Engine Load (%)	Throttle (%)	Cruise	Diag. Code
-1:44	0.0	598	No	No	15.00	0.00	No	No
-1:43	0.0	602	No	No	15.50	0.00	No	No
-1:42	0.0	601	No	No	15.50	0.00	No	No
-1:41	0.0	600	No	No	15.00	0.00	No	No
-1:40	0.0	598	No	No	15.50	0.00	No	No
-1:39	0.0	602	No	No	15.50	0.00	No	No
-1:38	0.0	599	No	No	15.50	0.00	No	No
-1:37	0.0	600	No	No	15.50	0.00	No	No
-1:36	0.0	602	No	No	15.00	0.00	No	No
-1:35	0.0	602	No	No	15.00	0.00	No	No
-1:34	0.0	596	No	No	15.50	0.00	No	No
-1:33	0.0	599	No	No	15.50	0.00	No	No
-1:32	0.0	600	No	No	15.50	0.00	No	No
-1:31	0.0	598	No	No	15.00	0.00	No	No
-1:30	0.0	598	No	No	15.00	0.00	No	No
-1:29	0.0	599	No	No	15.00	0.00	No	No
-1:28	0.0	599	No	No	15.00	0.00	No	No
-1:27	0.0	601	No	No	15.00	0.00	No	No
-1:26	0.0	599	No	No	15.50	0.00	No	No
-1:25	0.0	598	No	No	15.50	0.00	No	No
-1:24	0.0	599	No	No	15.50	0.00	No	No
-1:23	0.0	597	No	No	15.50	0.00	No	No
-1:22	0.0	598	No	No	15.50	0.00	No	No
-1:21	0.0	598	No	No	16.00	0.00	No	No
-1:20	0.0	607	No	No	14.00	0.00	No	No
-1:19	0.0	599	No	No	14.50	0.00	No	No
-1:18	0.0	598	No	No	14.50	0.00	No	No
-1:17	0.0	599	No	No	14.50	0.00	No	No
-1:16	0.0	597	No	No	15.00	0.00	No	No
-1:15	0.0	600	No	No	14.50	0.00	No	No
-1:14	0.0	602	No	No	14.50	0.00	No	No
-1:13	0.0	596	No	No	15.00	0.00	No	No
-1:12	0.0	600	No	No	15.00	0.00	No	No
-1:11	0.0	595	No	No	16.50	0.00	No	No
-1:10	0.0	602	No	No	16.00	0.00	No	No
-1:09	0.0	600	No	No	16.00	0.00	No	No
-1:08	0.0	599	No	No	16.00	0.00	No	No
-1:07	0.0	604	No	No	15.00	0.00	No	No
-1:06	0.0	599	No	No	15.00	0.00	No	No
-1:05	0.0	600	No	No	15.00	0.00	No	No

# DDEC® Reports - Last Stop Record

Print Date: 7/5/2013 1:44 PM  
 University of Tulsa  
 800 S. Tucker Dr  
 Tulsa, OK 74104  
 (918)631-3056

Trip: - To 07/03/13 (CST)  
 Vehicle ID: 47504  
 Driver ID:  
 Odometer: 567557.6 mi  
 Engine S/N: 06R0992068

Last Stop Time: 7/3/2013 2:25:48 PM (CST)      Last Stop Odometer: 567557.6 mi

Time	Vehicle Speed (mph)	Engine Speed (rpm)	Brake	Clutch	Engine Load (%)	Throttle (%)	Cruise	Diag. Code
-1:04	0.0	599	No	No	15.00	0.00	No	No
-1:03	0.0	599	No	No	15.00	0.00	No	No
-1:02	0.0	600	No	No	15.00	0.00	No	No
-1:01	0.0	596	No	No	15.50	0.00	No	No
-1:00	0.0	600	No	No	15.50	0.00	No	No
-0:59	0.0	600	No	No	15.50	0.00	No	No
-0:58	0.0	601	No	No	15.50	0.00	No	No
-0:57	0.0	600	No	No	15.00	0.00	No	No
-0:56	0.0	599	No	No	15.00	0.00	No	No
-0:55	0.0	599	No	No	15.00	0.00	No	No
-0:54	0.0	600	No	No	15.00	0.00	No	No
-0:53	0.0	602	No	No	13.50	0.00	No	No
-0:52	0.0	598	No	No	14.00	0.00	No	No
-0:51	0.0	602	No	No	14.00	0.00	No	No
-0:50	0.0	599	No	No	14.00	0.00	No	No
-0:49	0.0	600	No	No	14.00	0.00	No	No
-0:48	0.0	603	No	No	14.00	0.00	No	No
-0:47	0.0	598	No	No	14.00	0.00	No	No
-0:46	0.0	601	No	No	14.00	0.00	No	No
-0:45	0.0	597	No	No	14.50	0.00	No	No
-0:44	0.0	598	No	No	14.50	0.00	No	No
-0:43	0.0	600	No	No	14.50	0.00	No	No
-0:42	0.0	595	No	No	16.50	0.00	No	No
-0:41	0.0	602	No	No	15.50	0.00	No	No
-0:40	0.0	601	No	No	15.50	0.00	No	No
-0:39	0.0	599	No	No	15.50	0.00	No	No
-0:38	0.0	601	No	No	15.50	0.00	No	No
-0:37	0.0	600	No	Yes	15.50	0.00	No	No
-0:36	0.0	600	No	Yes	15.50	0.00	No	No
-0:35	0.0	602	No	Yes	24.00	7.60	No	No
-0:34	0.0	597	No	Yes	16.00	0.00	No	No
-0:33	0.0	601	No	Yes	15.00	0.00	No	No
-0:32	0.0	596	No	Yes	15.50	0.00	No	No
-0:31	0.0	583	No	Yes	24.50	0.00	No	No
-0:30	0.0	587	No	Yes	44.50	0.00	No	No
-0:29	0.5	595	No	Yes	79.00	0.00	No	No
-0:28	2.0	716	No	Yes	11.00	9.60	No	No
-0:27	2.5	784	No	Yes	25.50	20.80	No	No
-0:26	3.0	936	No	Yes	21.00	23.60	No	No
-0:25	3.5	1048	No	Yes	19.00	26.00	No	No

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 University of Tulsa  
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Trip: - To 07/03/13 (CST)  
 Vehicle ID: 47504  
 Driver ID:  
 Odometer: 567557.6 mi  
 Engine S/N: 06R0992068

Last Stop Time: 7/3/2013 2:25:48 PM (CST)      Last Stop Odometer: 567557.6 mi

Time	Vehicle Speed (mph)	Engine Speed (rpm)	Brake	Clutch	Engine Load (%)	Throttle (%)	Cruise	Diag. Code
-0:24	3.5	740	No	Yes	0.00	2.80	No	No
-0:23	3.5	774	No	Yes	16.00	14.80	No	No
-0:22	3.5	805	No	Yes	34.50	27.60	No	No
-0:21	4.0	921	No	Yes	31.00	30.80	No	No
-0:20	4.5	1040	No	Yes	24.50	30.40	No	No
-0:19	5.0	1117	No	Yes	20.00	29.20	No	No
-0:18	5.5	1163	No	Yes	17.50	27.60	No	No
-0:17	5.5	1181	No	Yes	16.50	27.20	No	No
-0:16	5.5	1188	No	Yes	13.00	24.40	No	No
-0:15	6.0	1197	No	Yes	13.50	24.40	No	No
-0:14	5.5	1193	No	Yes	12.00	22.80	No	No
-0:13	5.5	1183	No	Yes	8.50	20.00	No	No
-0:12	5.5	1151	No	Yes	7.00	18.40	No	No
-0:11	5.0	1090	No	Yes	8.00	17.60	No	No
-0:10	5.0	1018	No	Yes	1.50	10.80	No	No
-0:09	4.5	935	No	Yes	4.50	11.20	No	No
-0:08	4.0	852	No	Yes	8.00	11.60	No	No
-0:07	3.5	774	No	Yes	6.50	7.60	No	No
-0:06	3.5	583	No	Yes	17.00	0.00	No	No
-0:05	3.0	598	No	Yes	14.50	0.00	No	No
-0:04	2.5	600	Yes	Yes	14.50	0.00	No	No
-0:03	2.5	602	Yes	No	14.50	0.00	No	No
-0:02	2.0	602	Yes	No	14.50	0.00	No	No
-0:01	1.0	602	Yes	No	14.50	0.00	No	No
0:00	0.0	599	Yes	No	14.50	0.00	No	No
+0:01	0.0	597	Yes	No	15.50	0.00	No	No
+0:02	0.0	602	Yes	No	16.00	0.00	No	No
+0:03	0.0	603	Yes	No	15.50	0.00	No	No
+0:04	0.0	602	No	No	15.50	0.00	No	No
+0:05	0.0	599	No	No	15.50	0.00	No	No
+0:06	0.0	602	No	No	15.50	0.00	No	No
+0:07	0.0	602	No	No	15.50	0.00	No	No
+0:08	0.0	602	No	No	15.50	0.00	No	No
+0:09	0.0	604	No	No	15.50	0.00	No	No
+0:10	0.0	604	No	No	14.00	0.00	No	No
+0:11	0.0	602	No	No	14.50	0.00	No	No
+0:12	0.0	602	No	No	14.50	0.00	No	No
+0:13	0.0	602	No	No	14.50	0.00	No	No
+0:14	0.0	603	No	No	14.50	0.00	No	No
+0:15	0.0	602	No	No	14.50	0.00	No	No