



VEHICLE FACTORS ATTACHMENT

2022 Freightliner Logged Data

Williamsburg, VA

HWY23MH004

97 pages

DDEC® Reports - Trip Activity

File Name: 20230113104948825_UNKNOWN_3AKJHHDRXNSMZ7498_CPC501T.XTR

Print Date: 1/13/2023 10:51 AM

Trip: - To 01/13/23 (EST)

Vehicle ID:

Driver ID:

Odometer: 222351.8 mi

Engine S/N: ???????

Trip Distance	222351.8 mi	Trip Time	6406:18:02
Trip Fuel	32270.21 gal	Fuel Consumption	5.04 gal/h
Fuel Economy	6.89 mpg	Idle Time	2626:54:15
Avg Drive Load	48 %	Idle Percent	41.01 %
Avg Vehicle Speed	58.9 mph	Idle Fuel	2404.33 gal
		Parked Regen Time	4:46:22

Driving

Time	3774:37:25
Percent	58.92 %
Fuel	29865.88 gal
Economy	7.45 mpg

Vehicle Speed Limiting

Time	1105:45:02
Percent	29.29 %
Distance	77247.5 mi
Fuel	8489.75 gal

Top Gear

Time	3010:06:26
Percent	78.50 %
Distance	199025.9 mi
Fuel	25271.88 gal

Top Gear - 1

Time	251:56:08
Percent	6.57 %
Distance	12892.9 mi
Fuel	2063.50 gal

Cruise

Time	1530:17:29
Percent	40.54 %
Distance	101269.6 mi
Fuel	13541.13 gal

Top Gear Cruise

Time	1464:05:52
Percent	38.79 %
Distance	98023.6 mi
Fuel	12597.63 gal

Speeding A(>=66 and <71 mph)

Count	65535
Time	1893:01:01
Percent	50.15 %

Speeding B(>=71 mph)

Count	13977
Time	70:05:00
Percent	1.86 %

Highest Speed

90.0 mph

Occurred 03/02/22 12:48:24 (EST)

Coasting Time

0:00:28

Coasting Percent

0.00 %

Stop Idle

Time	2448:29:34
Percent	38.22 %
Fuel	2238.13 gal

Over Rev Limit

Count	2207
Time	4:33:37
Percent	0.07 %

Highest RPM

2442 rpm

Occurred 08/15/22 2:56:51 (EST)

Diag. Records

12135

Hard Brake Count

154

Firm Brake Count

4362

Brake Count

69475

Eng. Brake Time

47:38:03

Fan On Time

Total Time 1460:06:00

Engine System 12:37:13

Manual 0:00:00

A/C 1447:28:47

DPF Fan Time 0:00:00

Engine Utilization

1.92 %

Vehicle Utilization

1.13 %

DPF Regeneration

Parked Completed 5

Parked Regen Fuel 23.71 gal

Driving Completed 83

Driving Regen Fuel 130.71 gal

Diesel Exhaust Fluid (DEF)

Trip Fluid 1389.50 gal

Trip Percent 4.31 %

Trip Economy 160.02 mpg

Driving Fluid 1365.96 gal

Driving Economy 162.78 mpg

Optimized Idle Time

Active 0:13:45

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: 20230113104948825_UNKNOWN_3AKJHHD RXNSMZ7498_CPC501T.XTR

Print Date: 1/13/2023 10:51 AM

Trip: - To 01/13/23 (EST)

Vehicle ID:

Driver ID:

Odometer: 222351.8 mi

Engine S/N: ???????

Trip Distance	222351.8 mi	Trip Time	6406:18:02
Trip Fuel	32270.21 gal	Fuel Consumption	5.04 gal/h
Fuel Economy	6.89 mpg	Idle Time	2626:54:15
Avg Drive Load	48 %	Idle Percent	41.01 %
Avg Vehicle Speed	58.9 mph	Idle Fuel	2404.33 gal
		Parked Regen Time	4:46:22

Intelligent Powertrain Management (IPM)

Time 73:40:12
Percent 1.95 %

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: 1/13/2023 10:51 AM

Partial Month: January, 2023 (EST)

DDC

Vehicle ID:

Driver ID:

, -
() -

Odometer: 222351.8 mi

Engine S/N: ???????

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	0:00:00

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

Over Rev Limit

1800 rpm	
Count	0
Time	0:00:00
Percent	0.00 %

Vehicle Speed Limiting

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

Highest RPM

0 rpm
Occurred -

Top Gear

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

Diag. Records

0	
Hard Brake Count	0
Firm Brake Count	0
Brake Count	0
Eng. Brake Time	0:00:00

Top Gear - 1

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

Fan On Time

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 %

DPF Regeneration

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

Top Gear Cruise

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

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 A(>=66 and <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

Speeding B(>=71 mph)

Count	0
Time	0:00:00
Percent	0.00 %

Highest Speed

0.0 mph
Occurred -

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: 1/13/2023 10:51 AM

Partial Month: January, 2023 (EST)

DDC

Vehicle ID:

Driver ID:

, -
() -

Odometer: 222351.8 mi

Engine S/N: ???????

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	0:00:00

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: 1/13/2023 10:51 AM

Month: December, 2022 (EST)

DDC

Vehicle ID:

Driver ID:

Odometer: 222351.8 mi

Engine S/N: ???????

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	0:00:00

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

Over Rev Limit

Count	0
Time	0:00:00
Percent	0.00 %

Highest RPM

Occurred - **0 rpm**

Vehicle Speed Limiting

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

Diag. Records

Hard Brake Count	0
Firm Brake Count	0
Brake Count	0
Eng. Brake Time	0:00:00

Top Gear

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

Fan On Time

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

Top Gear - 1

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

Engine Utilization

Vehicle Utilization **0.00 %**

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

Top Gear Cruise

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

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 A(>=66 and <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

Speeding B(>=71 mph)

Count	0
Time	0:00:00
Percent	0.00 %

Highest Speed

Occurred - **0.0 mph**

Optimized Idle Battery Charging Starts

Normal Count	0
Alternate Count	0
Continuous Run	0

Coasting Time

0:00:00

Coasting Percent

0.00 %

DDEC® Reports - Monthly Activity

Print Date: 1/13/2023 10:51 AM

DDC

Month: December, 2022 (EST)

Vehicle ID:

Driver ID:

Odometer: 222351.8 mi

Engine S/N: ???????

, -
() -

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	0:00:00

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: 1/13/2023 10:51 AM

Month: December, 2022 (EST)

DDC

Vehicle ID:

Driver ID:

Odometer: 222351.8 mi

Engine S/N: ???????

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	0:00:00

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

Over Rev Limit

Limit	1800 rpm
Count	0
Time	0:00:00
Percent	0.00 %

Vehicle Speed Limiting

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

Highest RPM

0 rpm

Occurred -

Diag. Records

Diag. Records	0
Hard Brake Count	0
Firm Brake Count	0
Brake Count	0
Eng. Brake Time	0:00:00

Top Gear

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

Fan On Time

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

Top Gear - 1

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

Engine Utilization

0.00 %

Vehicle Utilization

0.00 %

DPF Regeneration

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

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

Top Gear Cruise

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

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

Speeding A(>=66 and <71 mph)

Count	0
Time	0:00:00
Percent	0.00 %

Optimized Idle Battery Charging Starts

Normal Count	0
Alternate Count	0
Continuous Run	0

Speeding B(>=71 mph)

Count	0
Time	0:00:00
Percent	0.00 %

Highest Speed

0.0 mph

Occurred -

Coasting Time

0:00:00

Coasting Percent

0.00 %

DDEC® Reports - Monthly Activity

Print Date: 1/13/2023 10:51 AM

DDC

Month: December, 2022 (EST)

Vehicle ID:

Driver ID:

Odometer: 222351.8 mi

Engine S/N: ???????

, -
() -

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	0:00:00

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: 20230113104948825_UNKNOWN_3AKJHHDRXNSMZ7498_CPC501T.XTR

Print Date: 1/13/2023 10:51 AM

Trip: - To 01/13/23 (EST)

Vehicle ID:

Driver ID:

Odometer: 222351.8 mi

Engine S/N: ??????

Trip Distance	222351.8 mi	Trip Time	6406:18:02
Trip Fuel	32270.21 gal	Fuel Consumption	5.04 gal/h
Fuel Economy	6.89 mpg	Idle Time	2626:54:15
Avg Drive Load	48 %	Idle Percent	41.01 %
Avg Vehicle Speed	58.9 mph	Idle Fuel	2404.33 gal
		Parked Regen Time	4:46:22

Hard Brake Limit	7.0 mph/s
Stop Idle Limit	5 min
Top Gear Limit	19 rpm/mph
Top Gear-1 Limit	24 rpm/mph

Learned On: 01/13/2023 (EST)

ECM S/W R20*11*00*00A
 ECM Type CPC5
 Config. Change -

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: 20230113104948825_UNKNOWN_3AKJHHDRXNSMZ7498_CPC501T.XTR

Print Date: 1/13/2023 10:51 AM

Trip: - To 01/13/23 (EST)

Vehicle ID:

Driver ID:

Odometer: 222351.8 mi

Engine S/N: ???????

Trip Distance	222351.8 mi	Trip Time	6406:18:02
Trip Fuel	32270.21 gal	Fuel Consumption	5.04 gal/h
Fuel Economy	6.89 mpg	Idle Time	2626:54:15
Avg Drive Load	48 %	Idle Percent	41.01 %
Avg Vehicle Speed	58.9 mph	Idle Fuel	2404.33 gal
		Parked Regen Time	4:46:22

Total Distance	222351.8 mi
Total Time	6406:18:02
Total Fuel	32132.98 gal
Overall Fuel Economy	6.92 mpg
Avg Vehicle Speed	34.71 mph
Idle Time	2626:54:15
Idle Percent	41.01 %
Idle Fuel	2403.96 gal

Avg. Drive Load 48 %

Optimized Idle Time

Active Time	0:13:45
Run Time	0:00:00

Optimized Idle Battery Charging Starts

Normal Count	0
Alternate Count	0
Continuous Run	0

Fan On Time

Total Time	1460:06:00
Engine System	12:37:13
Manual	0:00:00
A/C	1447:28:47
DPF Fan Time	0:00:00

Peak Road Speed 90.0 mph

Occurred 03/30/22 10:45 (EST)

Peak Engine RPM 2441 rpm

Occurred 08/15/22 02:56 (EST)

Parked Regen Fuel 23.71 gal

Driving Regen Fuel 130.77 gal

Parked Regen Time 4:46:22

Diesel Exhaust Fluid (DEF)

Total Fluid	1389.25 gal
Total Percent	4.32 %
Total Economy	160.05 mpg
Driving Fluid	1366.88 gal
Driving Economy	162.67 mpg

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	40.49 %
Cruise Time	1530:17:29

Eng. Brake Time	47:38:03
Revolutions/mi	1865
Average RPM	1079

DPF Regeneration

Parked Completed	5
Occurred	04/25/22 12:08 (EST)
Driving Completed	83
Occurred	12/14/22 11:33 (EST)

Intelligent Powertrain Management (IPM)

Time	73:40:12
Percent	1.95 %

DDEC® Reports - Vehicle Speed/RPM

File Name: 20230113104948825_UNKNOWN_3AKJHHRXNSMZ7498_CPC501T.XTR

Print Date: 1/13/2023 10:51 AM

Trip: - To 01/13/23 (EST)

Vehicle ID:

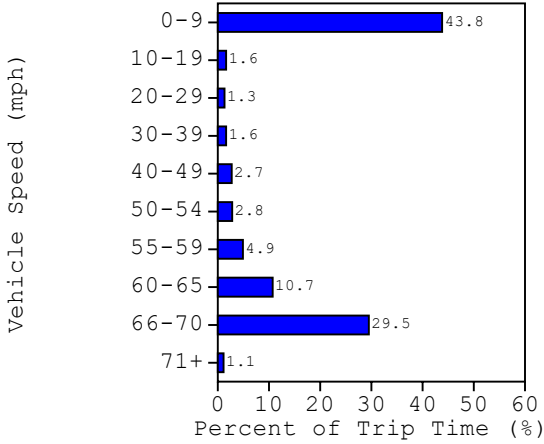
Driver ID:

Odometer: 222351.8 mi

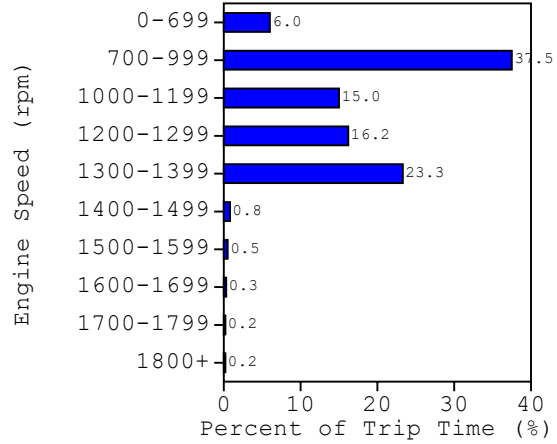
Engine S/N: ???????

Trip Distance	222351.8 mi	Trip Time	6406:18:02
Trip Fuel	32270.21 gal	Fuel Consumption	5.04 gal/h
Fuel Economy	6.89 mpg	Idle Time	2626:54:15
Avg Drive Load	48 %	Idle Percent	41.01 %
Avg Vehicle Speed	58.9 mph	Idle Fuel	2404.33 gal
		Parked Regen Time	4:46:22

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	5.9										6.0
700- 999	36.1	0.4	0.2	0.2	0.2	0.5					37.5
1000-1199	0.7	0.7	0.6	0.7	1.6	1.1	4.6	4.9			15.0
1200-1299	0.8	0.2	0.2	0.4	0.3	0.8		5.5	7.9		16.2
1300-1399	0.1	0.1	0.1	0.1	0.3	0.2	0.1		21.4	0.8	23.3
1400-1499	0.1	0.1	0.1	0.1	0.1		0.1	0.1		0.2	0.8
1500-1599			0.1		0.1			0.2			0.5
1600-1699						0.1			0.2		0.3
1700-1799										0.1	0.2
1800+							0.1	0.1		0.1	0.2
Total	43.8	1.6	1.3	1.6	2.7	2.8	4.9	10.7	29.5	1.1	
Brakes	7120	7225	6575	6880	7863	5498	7778	11427	7205	1904	69475
Hard Brakes		1	16	41	33	13	17	19	14		154
Firm Brakes		147	1205	1064	733	347	324	328	207	7	4362

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

DDEC® Reports - Engine Load/RPM

File Name: 20230113104948825_UNKNOWN_3AKJHHDRXNSMZ7498_CPC501T.XTR

Print Date: 1/13/2023 10:51 AM

Trip: - To 01/13/23 (EST)

Vehicle ID:

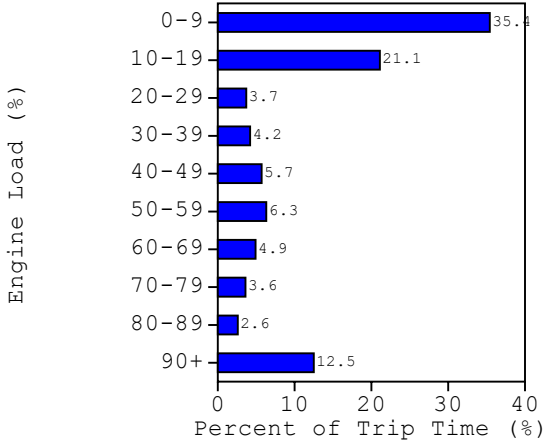
Driver ID:

Odometer: 222351.8 mi

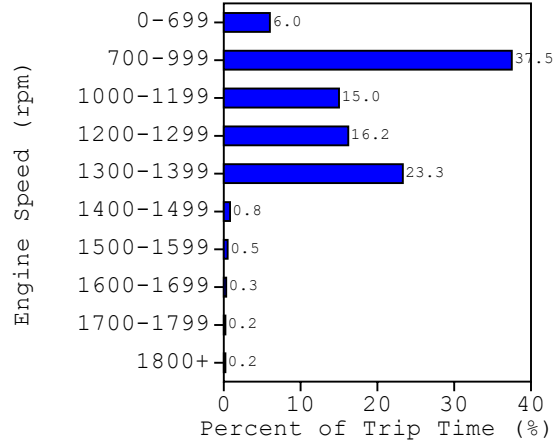
Engine S/N: ???????

Trip Distance	222351.8 mi	Trip Time	6406:18:02
Trip Fuel	32270.21 gal	Fuel Consumption	5.04 gal/h
Fuel Economy	6.89 mpg	Idle Time	2626:54:15
Avg Drive Load	48 %	Idle Percent	41.01 %
Avg Vehicle Speed	58.9 mph	Idle Fuel	2404.33 gal
		Parked Regen Time	4:46:22

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	1.2	4.1	0.4	0.1							6.0
700- 999	22.8	13.9	0.3	0.1	0.1	0.1	0.1			0.1	37.5
1000-1199	3.9	1.0	0.8	0.8	0.9	0.9	0.8	0.6	0.6	4.6	15.0
1200-1299	3.3	0.9	0.7	0.9	1.4	1.4	1.1	0.8	0.7	5.1	16.2
1300-1399	3.1	1.0	1.4	2.1	3.2	3.9	3.0	2.0	1.3	2.3	23.3
1400-1499	0.4									0.2	0.8
1500-1599	0.2									0.1	0.5
1600-1699	0.2									0.1	0.3
1700-1799	0.2										0.2
1800+	0.2										0.2
Total	35.4	21.1	3.7	4.2	5.7	6.3	4.9	3.6	2.6	12.5	

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

DDEC® Reports - Over Speed/Over Rev

File Name: 20230113104948825_UNKNOWN_3AKJHHRXNSMZ7498_CPC501T.XTR

Print Date: 1/13/2023 10:51 AM

Trip: - To 01/13/23 (EST)

Vehicle ID:

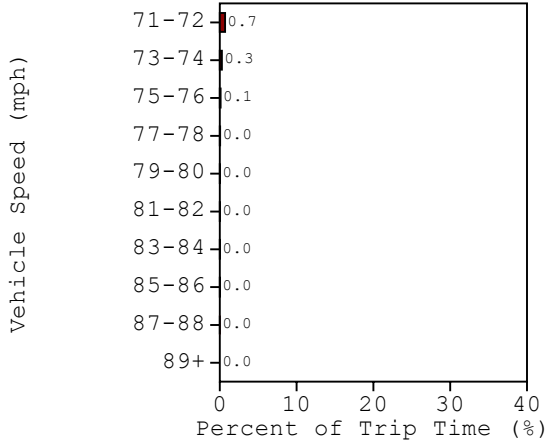
Driver ID:

Odometer: 222351.8 mi

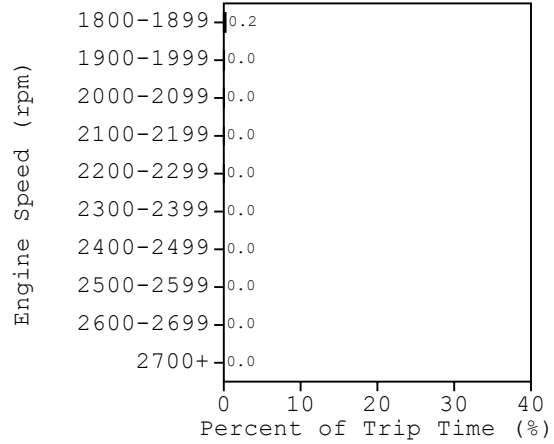
Engine S/N: ???????

Trip Distance	222351.8 mi	Trip Time	6406:18:02
Trip Fuel	32270.21 gal	Fuel Consumption	5.04 gal/h
Fuel Economy	6.89 mpg	Idle Time	2626:54:15
Avg Drive Load	48 %	Idle Percent	41.01 %
Avg Vehicle Speed	58.9 mph	Idle Fuel	2404.33 gal
		Parked Regen Time	4:46:22

Over Speed Histogram



Over Rev Histogram



Percent of Trip Time in Over Speed and Over Rev Bands

Vehicle Speed Table Does Not Exist For
 20230113104948825_UNKNOWN_3AKJHHRXNSMZ7498_CPC501T.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+
0.21	0.02	<0.005	<0.005	<0.005					

DDEC® Reports - Daily Engine Usage

Print Date: 1/13/2023 10:51 AM
 DDC

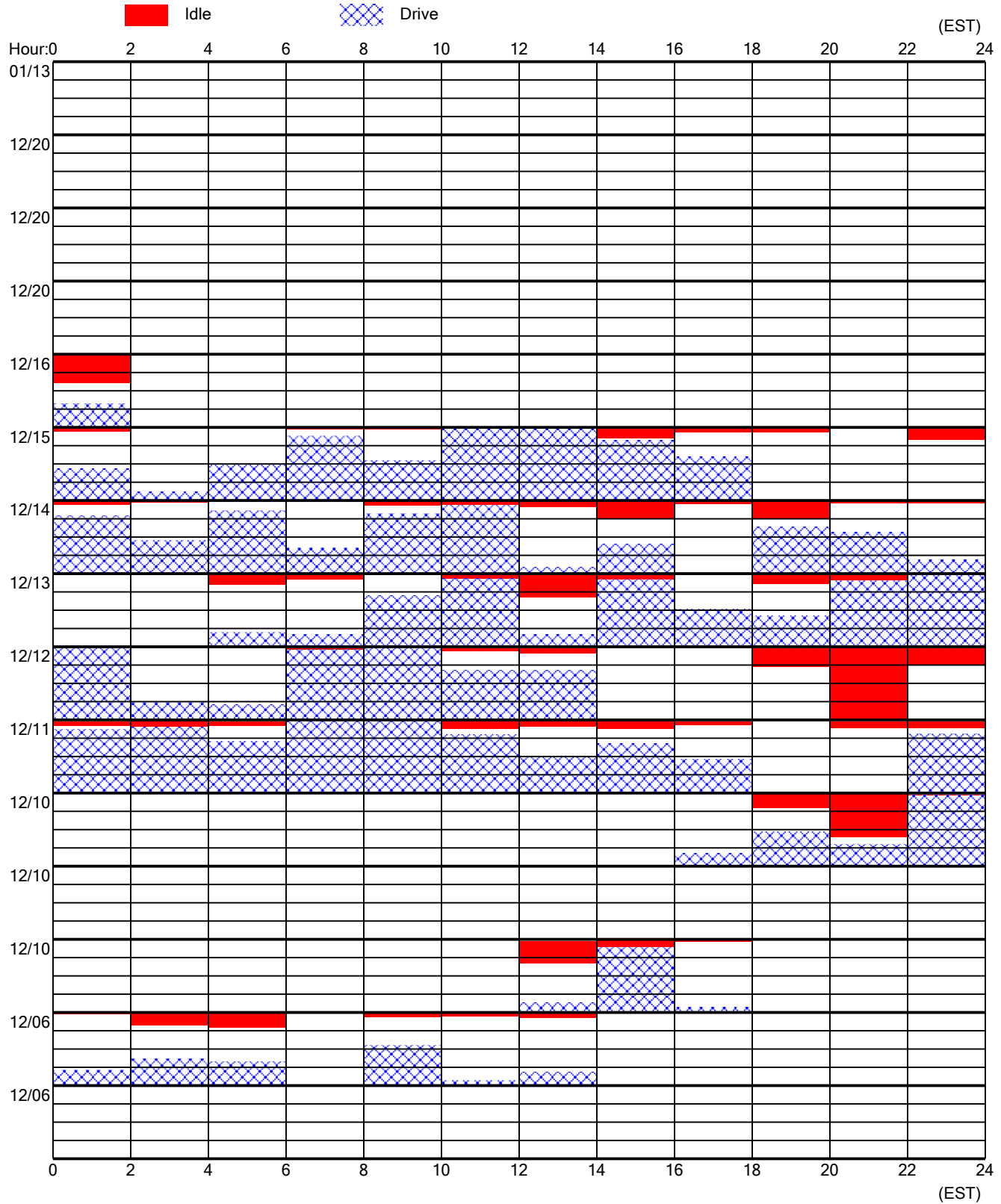
Date Range: 01/13/23 To 11/26/22 (EST)

Vehicle ID:

Driver ID:

Engine S/N:

??????



DDEC® Reports - Daily Engine Usage

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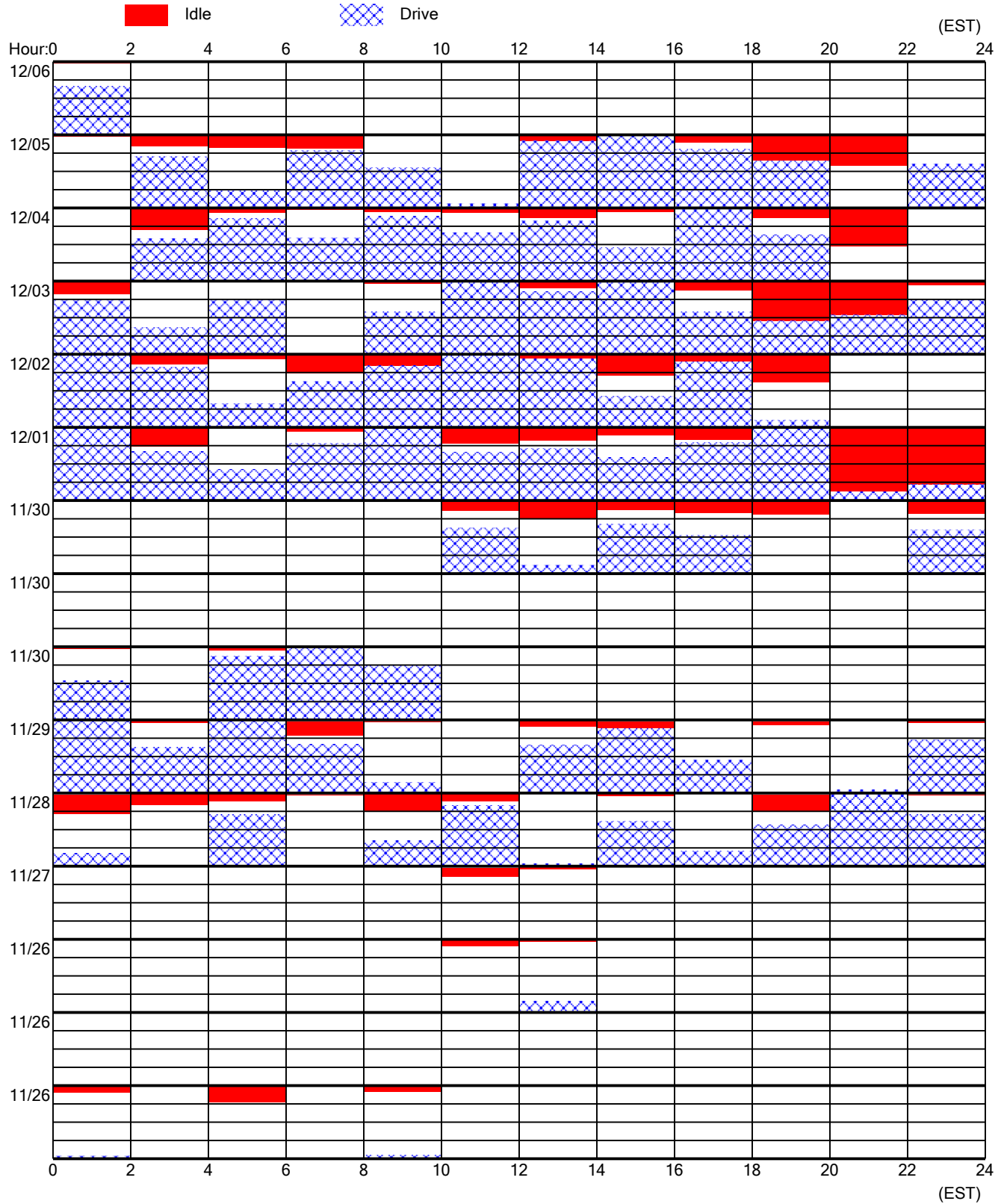
Date Range: 01/13/23 To 11/26/22 (EST)

Vehicle ID:

Driver ID:

Engine S/N:

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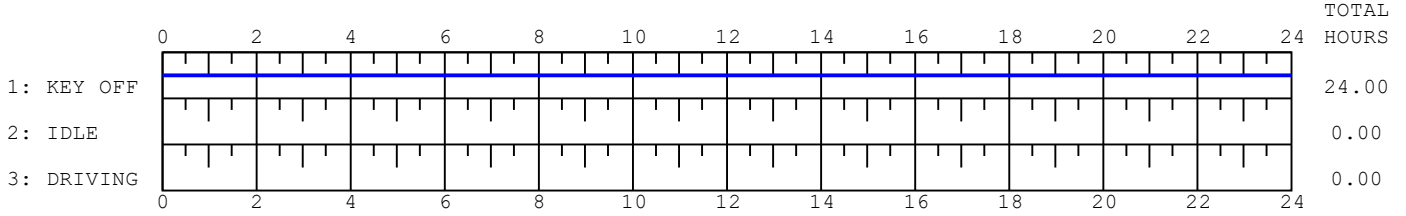
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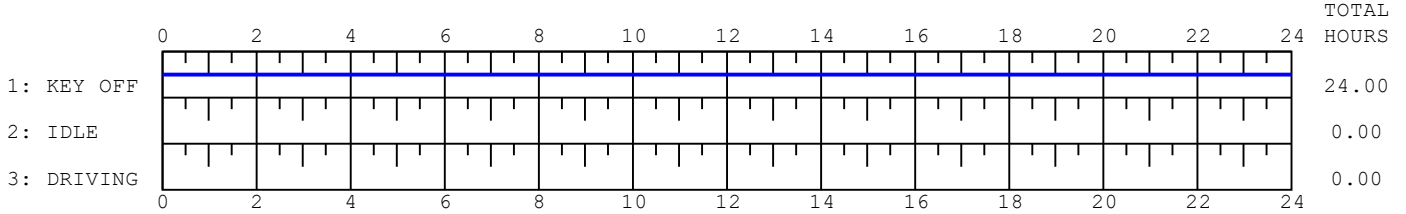
Date Range: 01/13/23 To 11/26/22 (EST)

Vehicle ID:
Driver ID:
Engine S/N: ??????

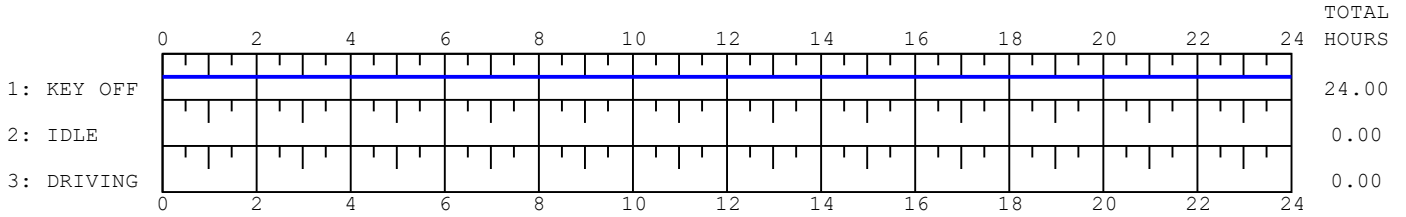
(1/13/2023)



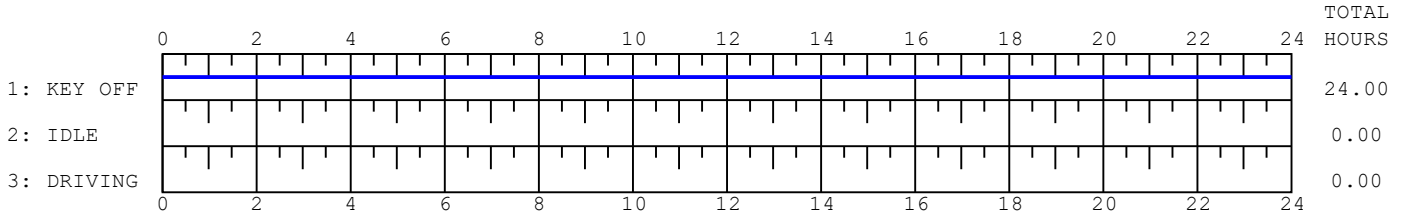
(12/20/2022)



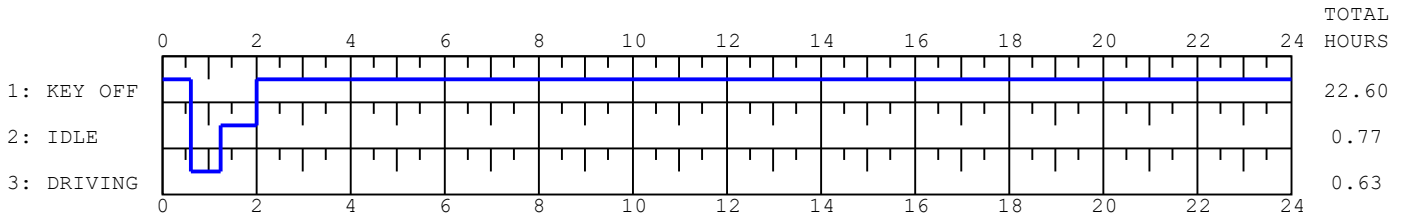
(12/20/2022)



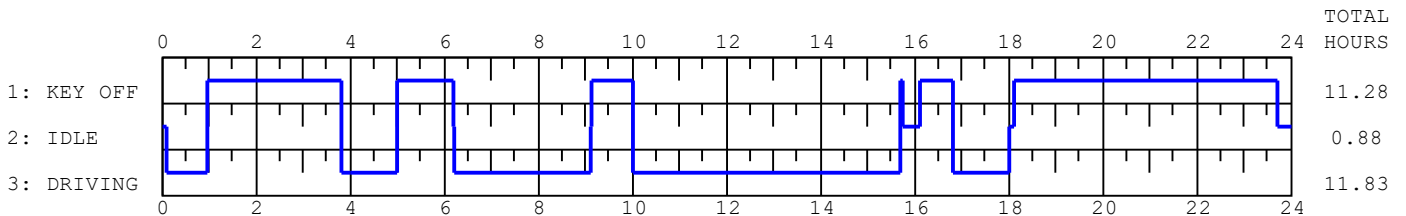
(12/20/2022)



(12/16/2022)



(12/15/2022)



DDEC® Reports - Daily Engine Usage

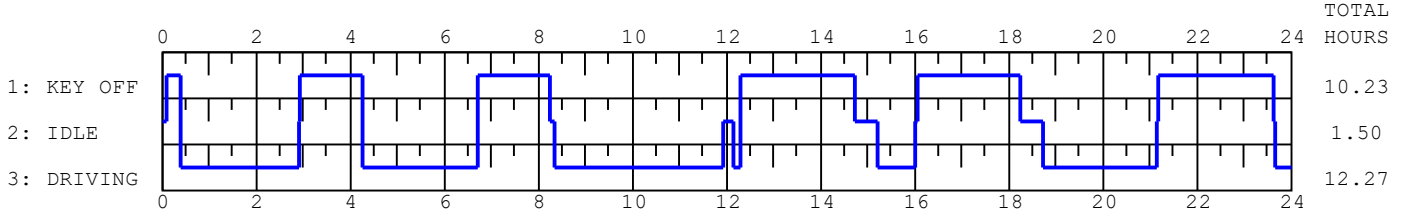
Print Date: 1/13/2023 10:51 AM
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Date Range: 01/13/23 To 11/26/22 (EST)

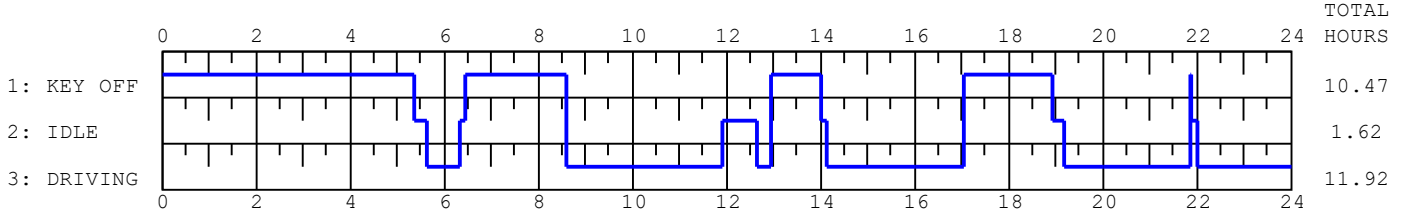
Vehicle ID:
Driver ID:
Engine S/N: ??????

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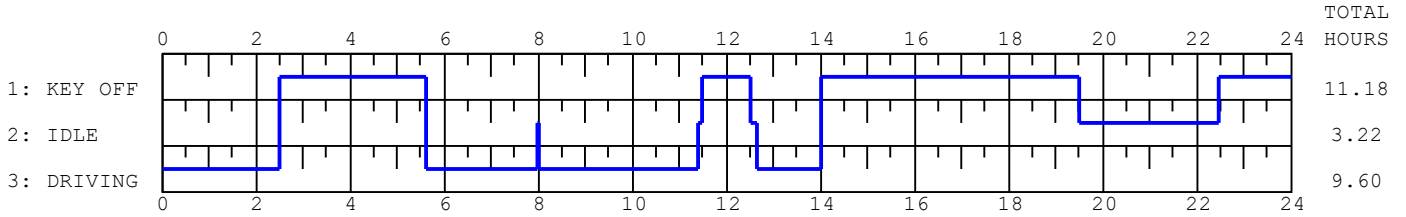
(12/14/2022)



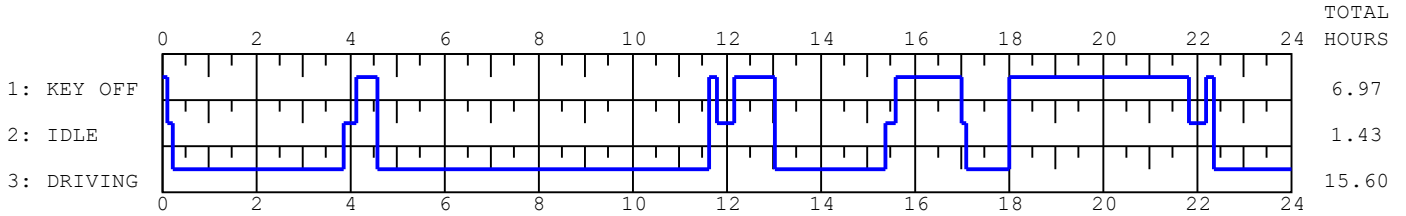
(12/13/2022)



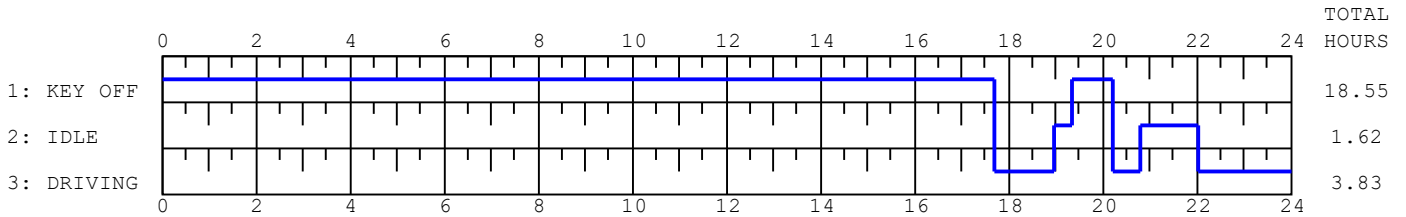
(12/12/2022)



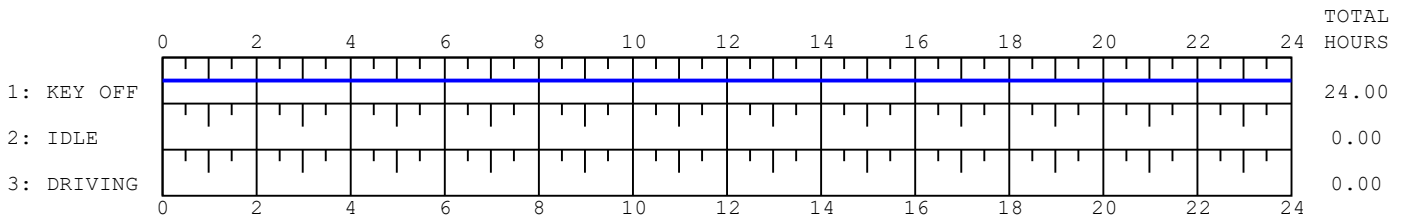
(12/11/2022)



(12/10/2022)



(12/10/2022)



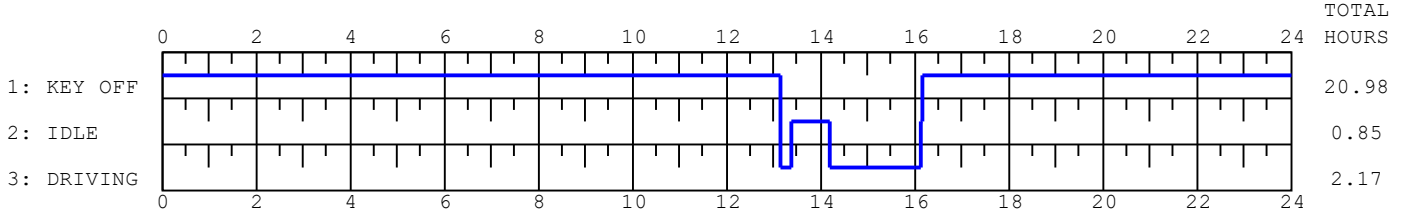
DDEC® Reports - Daily Engine Usage

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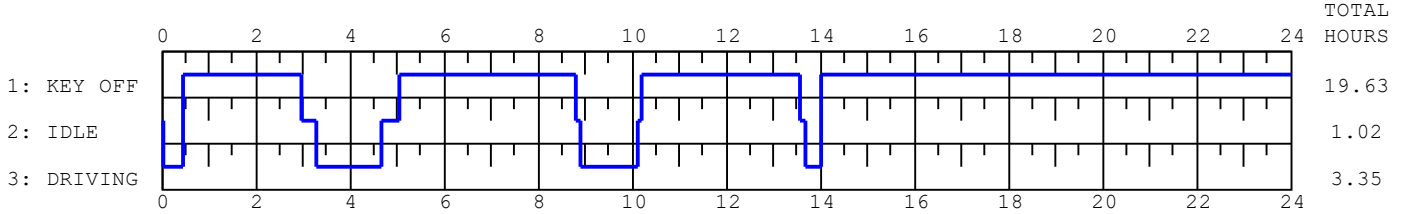
Date Range: 01/13/23 To 11/26/22 (EST)

Vehicle ID:
Driver ID:
Engine S/N: ??????

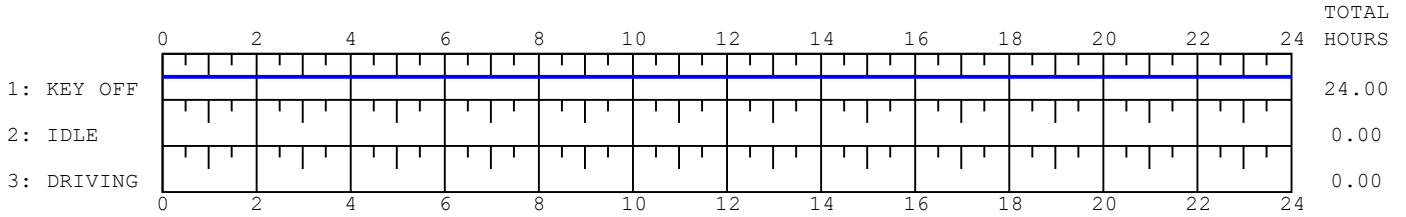
(12/10/2022)



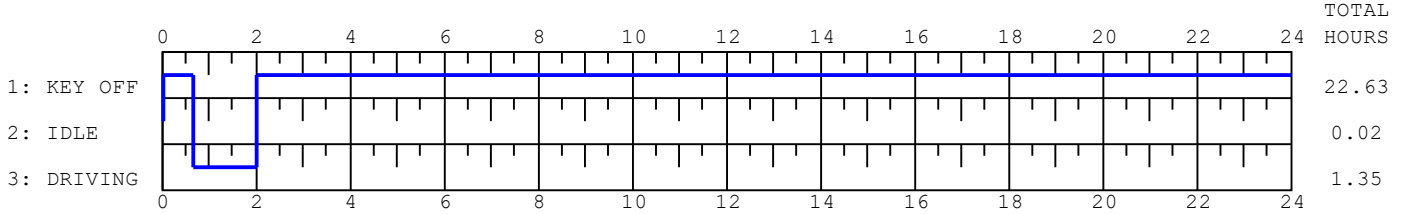
(12/6/2022)



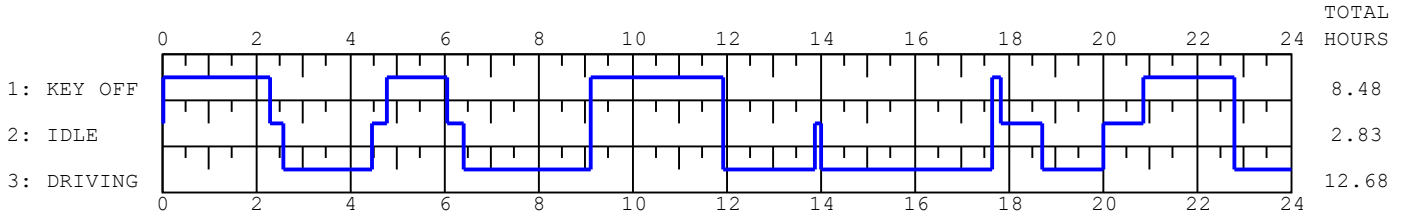
(12/6/2022)



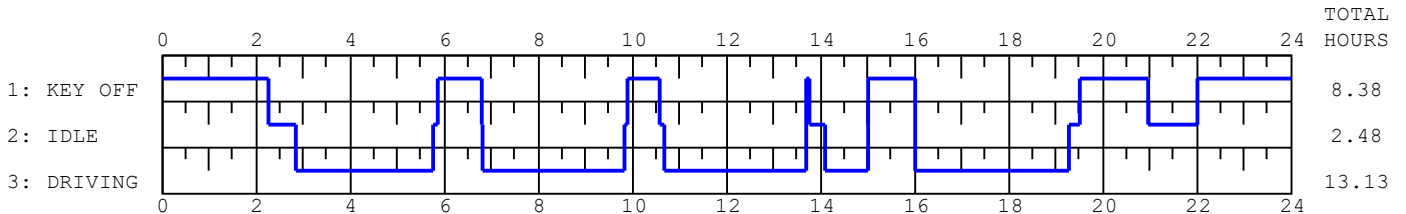
(12/6/2022)



(12/5/2022)



(12/4/2022)



DDEC® Reports - Daily Engine Usage

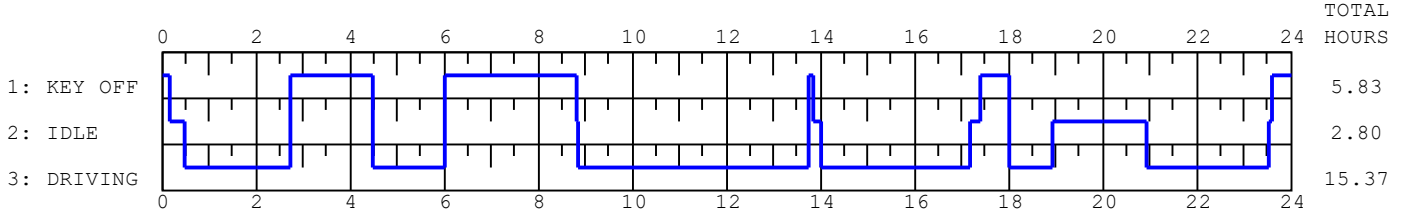
Print Date: 1/13/2023 10:51 AM
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Date Range: 01/13/23 To 11/26/22 (EST)

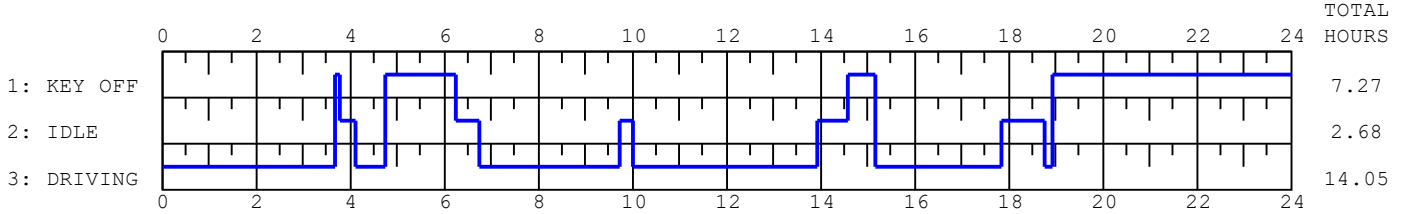
Vehicle ID:
Driver ID:
Engine S/N: ??????

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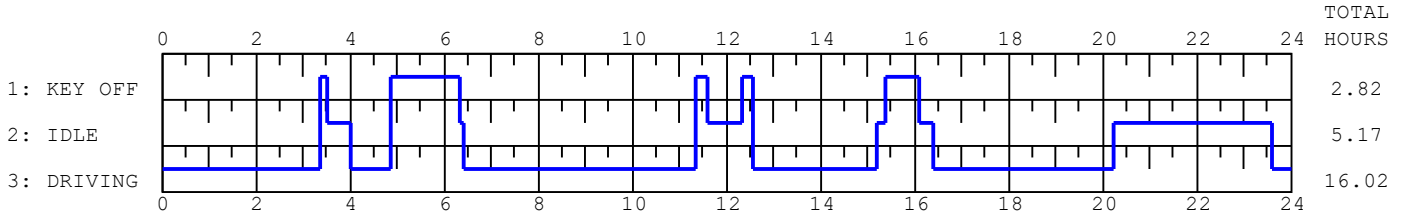
(12/3/2022)



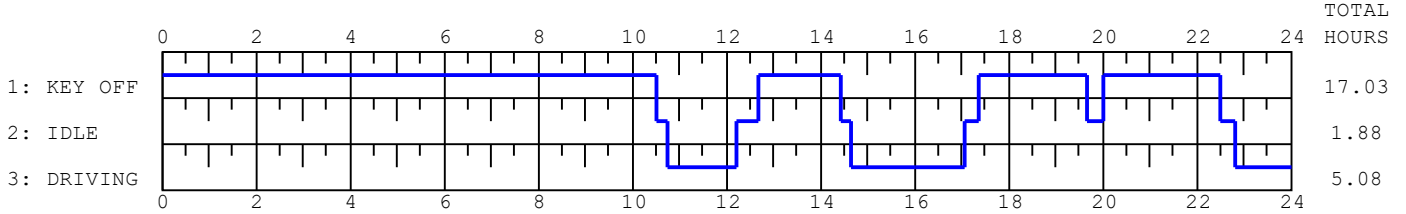
(12/2/2022)



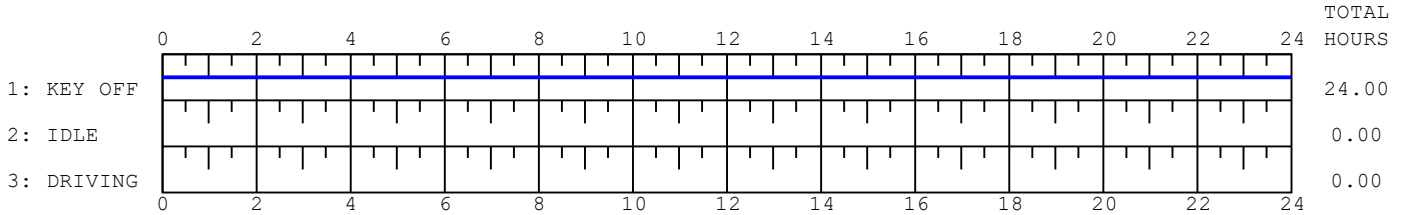
(12/1/2022)



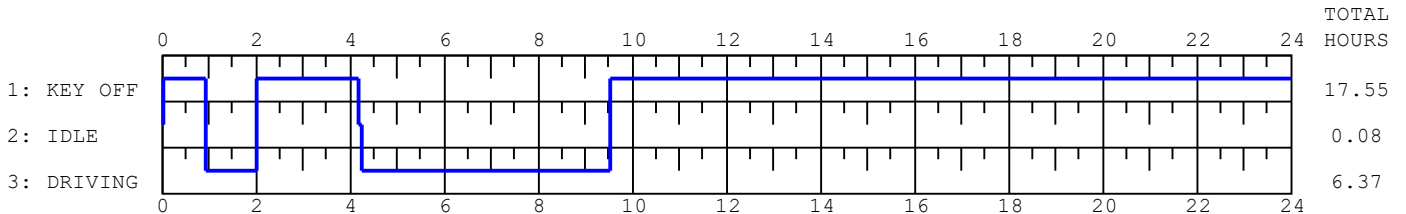
(11/30/2022)



(11/30/2022)



(11/30/2022)



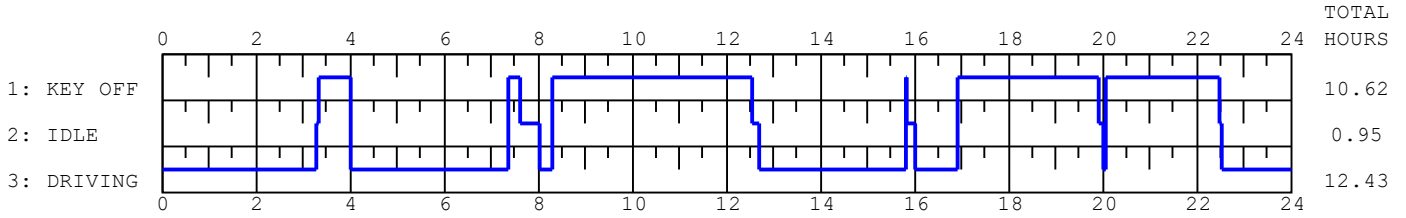
DDEC® Reports - Daily Engine Usage

Print Date: 1/13/2023 10:51 AM
DDC

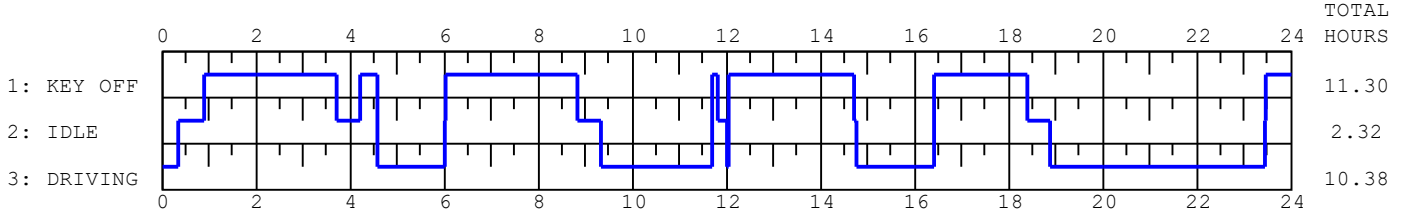
Date Range: 01/13/23 To 11/26/22 (EST)

Vehicle ID:
Driver ID:
Engine S/N: ??????

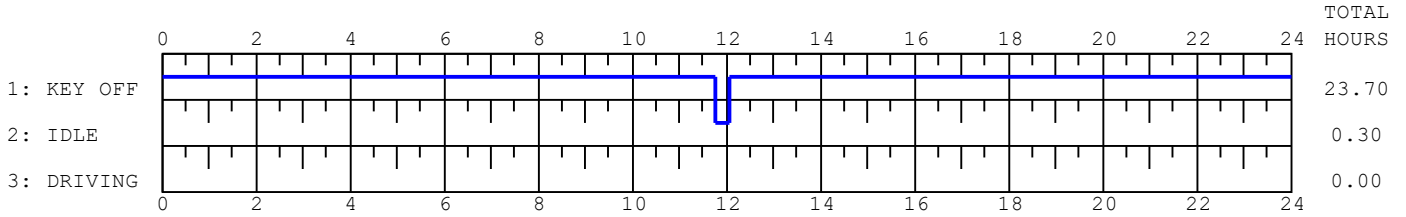
(11/29/2022)



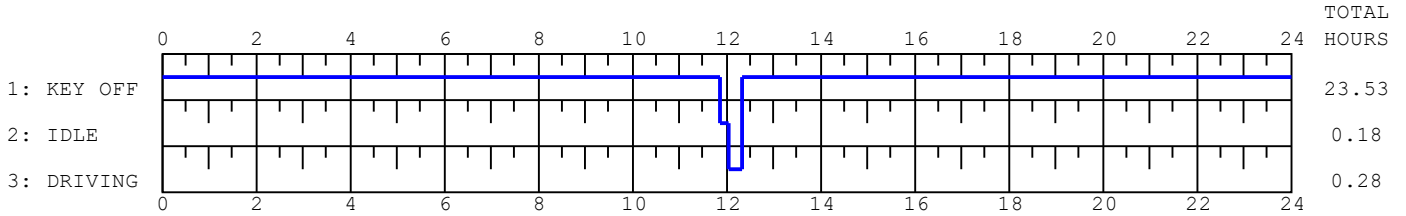
(11/28/2022)



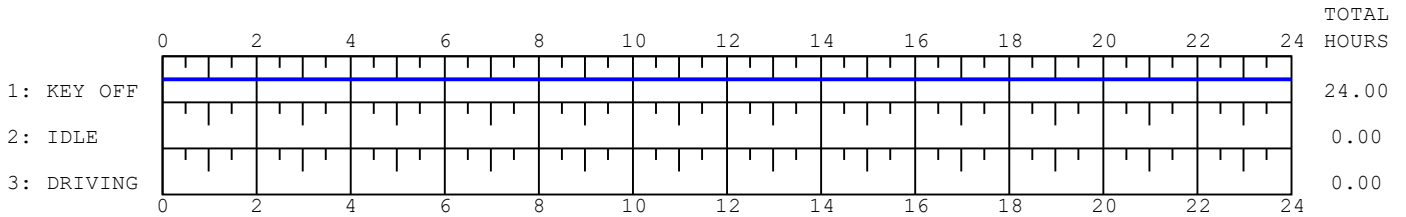
(11/27/2022)



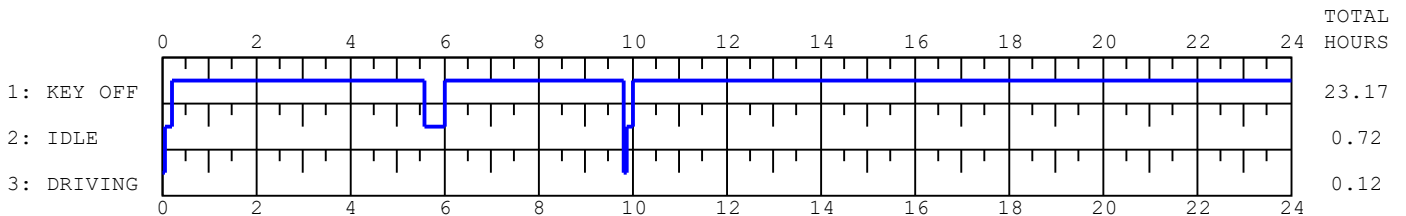
(11/26/2022)



(11/26/2022)



(11/26/2022)



DDEC® Reports - Daily Engine Usage

Print Date: 1/13/2023 10:51 AM
DDC

Date Range: 01/13/23 To 11/26/22 (EST)

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Vehicle ID:
Driver ID:
Engine S/N: ??????

Date:	1/13/2023
Start Time:	10:42:11 EST
Odometer:	222351.80 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:	12/20/2022
Start Time:	11:17:01 EST
Odometer:	222351.80 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:	12/20/2022
Start Time:	11:17:00 EST
Odometer:	222351.80 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

DDEC® Reports - Daily Engine Usage

Print Date: 1/13/2023 10:51 AM
DDC

Date Range: 01/13/23 To 11/26/22 (EST)

Vehicle ID:
Driver ID:
Engine S/N: ??????

Date:	12/20/2022
Start Time:	10:58:31 EST
Odometer:	222351.80 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:	12/16/2022
Start Time:	00:00:01 EST
Odometer:	222316.40 mi
Distance:	35.40 mi
Fuel:	6.75 gal
Fuel Economy:	5.24 mpg
Average Speed:	55.89 mph
DEF Fluid:	0.23 gal
Trip Economy:	154.91 mpg

Total (hh:mm)	00:38	00:46	22:36
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	38	46	36
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:	12/15/2022
Start Time:	00:04:20 EST
Odometer:	221597.40 mi
Distance:	719.00 mi
Fuel:	109.75 gal
Fuel Economy:	6.55 mpg
Average Speed:	60.76 mph
DEF Fluid:	4.92 gal
Trip Economy:	146.04 mpg

Total (hh:mm)	11:50	00:53	11:17
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	52	5	63
02:00-04:00	12	0	108
04:00-06:00	59	0	61
06:00-08:00	108	1	11
08:00-10:00	66	1	53
10:00-12:00	120	0	0
12:00-14:00	120	0	0
14:00-16:00	101	16	3
16:00-18:00	72	6	42
18:00-20:00	0	6	114
20:00-22:00	0	0	120
22:00-24:00	0	18	102

DDEC® Reports - Daily Engine Usage

Print Date: 1/13/2023 10:51 AM
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Date Range: 01/13/23 To 11/26/22 (EST)

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Vehicle ID:
Driver ID:
Engine S/N: ??????

Date:	12/14/2022
Start Time:	00:00:00 EST
Odometer:	220889.60 mi
Distance:	707.80 mi
Fuel:	103.50 gal
Fuel Economy:	6.84 mpg
Average Speed:	57.70 mph
DEF Fluid:	4.43 gal
Trip Economy:	159.80 mpg

Total (hh:mm)	12:16	01:30	10:14
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	97	5	18
02:00-04:00	54	1	65
04:00-06:00	105	0	15
06:00-08:00	42	0	78
08:00-10:00	100	6	14
10:00-12:00	115	5	0
12:00-14:00	9	8	103
14:00-16:00	48	29	43
16:00-18:00	0	3	117
18:00-20:00	77	29	14
20:00-22:00	68	2	50
22:00-24:00	21	2	97

Date:	12/13/2022
Start Time:	05:02:46 EST
Odometer:	220197.00 mi
Distance:	692.60 mi
Fuel:	95.25 gal
Fuel Economy:	7.27 mpg
Average Speed:	58.12 mph
DEF Fluid:	3.85 gal
Trip Economy:	179.96 mpg

Total (hh:mm)	11:55	01:37	10:28
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	23	16	81
06:00-08:00	19	7	94
08:00-10:00	85	0	35
10:00-12:00	114	6	0
12:00-14:00	18	38	64
14:00-16:00	113	7	0
16:00-18:00	62	0	58
18:00-20:00	50	15	55
20:00-22:00	111	8	1
22:00-24:00	120	0	0

Date:	12/12/2022
Start Time:	00:00:00 EST
Odometer:	219618.30 mi
Distance:	578.70 mi
Fuel:	88.50 gal
Fuel Economy:	6.54 mpg
Average Speed:	60.28 mph
DEF Fluid:	3.75 gal
Trip Economy:	154.44 mpg

Total (hh:mm)	09:36	03:13	11:11
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	120	0	0
02:00-04:00	29	0	91
04:00-06:00	24	0	96
06:00-08:00	118	2	0
08:00-10:00	120	0	0
10:00-12:00	83	5	32
12:00-14:00	82	8	30
14:00-16:00	0	0	120
16:00-18:00	0	0	120
18:00-20:00	0	31	89
20:00-22:00	0	120	0
22:00-24:00	0	27	93

DDEC® Reports - Daily Engine Usage

Print Date: 1/13/2023 10:51 AM
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Date Range: 01/13/23 To 11/26/22 (EST)

Vehicle ID:

Driver ID:

Engine S/N:

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Date:	12/11/2022
Start Time:	00:00:00 EST
Odometer:	218648.40 mi
Distance:	969.90 mi
Fuel:	131.50 gal
Fuel Economy:	7.38 mpg
Average Speed:	62.17 mph
DEF Fluid:	5.88 gal
Trip Economy:	165.03 mpg

Total (hh:mm)	15:36	01:26	06:58
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	107	7	6
02:00-04:00	111	9	0
04:00-06:00	86	7	27
06:00-08:00	120	0	0
08:00-10:00	120	0	0
10:00-12:00	97	13	10
12:00-14:00	59	9	52
14:00-16:00	82	13	25
16:00-18:00	55	6	59
18:00-20:00	0	0	120
20:00-22:00	0	11	109
22:00-24:00	99	11	10

Date:	12/10/2022
Start Time:	17:40:02 EST
Odometer:	218427.60 mi
Distance:	220.80 mi
Fuel:	29.00 gal
Fuel Economy:	7.61 mpg
Average Speed:	57.60 mph
DEF Fluid:	1.32 gal
Trip Economy:	167.23 mpg

Total (hh:mm)	03:50	01:37	18:33
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	19	0	101
18:00-20:00	57	23	40
20:00-22:00	35	73	12
22:00-24:00	119	1	0

Date:	12/10/2022
Start Time:	17:40:00 EST
Odometer:	218427.60 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

DDEC® Reports - Daily Engine Usage

Print Date: 1/13/2023 10:51 AM
DDC

Date Range: 01/13/23 To 11/26/22 (EST)

, -
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Vehicle ID:
Driver ID:
Engine S/N: ??????

Date:	12/10/2022
Start Time:	13:04:57 EST
Odometer:	218288.50 mi
Distance:	139.10 mi
Fuel:	15.75 gal
Fuel Economy:	8.83 mpg
Average Speed:	64.20 mph
DEF Fluid:	0.69 gal
Trip Economy:	202.62 mpg

Total (hh:mm)	02:10	00:51	20:59
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	14	38	68
14:00-16:00	109	11	0
16:00-18:00	7	2	111
18:00-20:00	0	0	120
20:00-22:00	0	0	120
22:00-24:00	0	0	120

Date:	12/6/2022
Start Time:	01:33:02 EST
Odometer:	218111.90 mi
Distance:	176.60 mi
Fuel:	23.00 gal
Fuel Economy:	7.68 mpg
Average Speed:	52.72 mph
DEF Fluid:	0.96 gal
Trip Economy:	183.13 mpg

Total (hh:mm)	03:21	01:01	19:38
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	25	1	94
02:00-04:00	44	19	57
04:00-06:00	39	23	58
06:00-08:00	0	0	120
08:00-10:00	67	6	47
10:00-12:00	6	5	109
12:00-14:00	20	7	93
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:	12/6/2022
Start Time:	01:33:00 EST
Odometer:	218111.90 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

DDEC® Reports - Daily Engine Usage

Print Date: 1/13/2023 10:51 AM
DDC

Date Range: 01/13/23 To 11/26/22 (EST)

, -
() -

Vehicle ID:
Driver ID:
Engine S/N: ??????

Date:	12/6/2022
Start Time:	00:00:00 EST
Odometer:	218026.90 mi
Distance:	85.00 mi
Fuel:	12.00 gal
Fuel Economy:	7.08 mpg
Average Speed:	62.96 mph
DEF Fluid:	0.59 gal
Trip Economy:	143.04 mpg

Total (hh:mm)	01:21	00:01	22:38
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	81	1	38
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:	12/5/2022
Start Time:	01:58:23 EST
Odometer:	217319.30 mi
Distance:	707.60 mi
Fuel:	106.00 gal
Fuel Economy:	6.68 mpg
Average Speed:	55.79 mph
DEF Fluid:	4.49 gal
Trip Economy:	157.72 mpg

Total (hh:mm)	12:41	02:50	08:29
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	0	1	119
02:00-04:00	86	17	17
04:00-06:00	27	19	74
06:00-08:00	96	21	3
08:00-10:00	66	0	54
10:00-12:00	5	0	115
12:00-14:00	112	8	0
14:00-16:00	120	0	0
16:00-18:00	98	11	11
18:00-20:00	78	42	0
20:00-22:00	0	51	69
22:00-24:00	73	0	47

Date:	12/4/2022
Start Time:	02:05:21 EST
Odometer:	216530.60 mi
Distance:	788.70 mi
Fuel:	115.25 gal
Fuel Economy:	6.84 mpg
Average Speed:	60.05 mph
DEF Fluid:	4.67 gal
Trip Economy:	168.73 mpg

Total (hh:mm)	13:08	02:29	08:23
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	0	0	120
02:00-04:00	70	35	15
04:00-06:00	105	6	9
06:00-08:00	72	1	47
08:00-10:00	109	4	7
10:00-12:00	80	6	34
12:00-14:00	101	15	4
14:00-16:00	55	5	60
16:00-18:00	120	0	0
18:00-20:00	76	14	30
20:00-22:00	0	63	57
22:00-24:00	0	0	120

DDEC® Reports - Daily Engine Usage

Print Date: 1/13/2023 10:51 AM
DDC

Date Range: 01/13/23 To 11/26/22 (EST)

Vehicle ID:

Driver ID:

Engine S/N:

??????

Date:	12/3/2022
Start Time:	00:04:32 EST
Odometer:	215584.30 mi
Distance:	946.30 mi
Fuel:	139.00 gal
Fuel Economy:	6.81 mpg
Average Speed:	61.58 mph
DEF Fluid:	5.96 gal
Trip Economy:	158.88 mpg

Total (hh:mm)	15:22	02:48	05:50
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	92	19	9
02:00-04:00	43	0	77
04:00-06:00	92	0	28
06:00-08:00	0	0	120
08:00-10:00	70	2	48
10:00-12:00	120	0	0
12:00-14:00	104	10	6
14:00-16:00	120	0	0
16:00-18:00	70	13	37
18:00-20:00	55	65	0
20:00-22:00	65	55	0
22:00-24:00	91	4	25

Date:	12/2/2022
Start Time:	00:00:00 EST
Odometer:	214750.80 mi
Distance:	833.50 mi
Fuel:	100.00 gal
Fuel Economy:	8.34 mpg
Average Speed:	59.32 mph
DEF Fluid:	4.22 gal
Trip Economy:	197.30 mpg

Total (hh:mm)	14:03	02:41	07:16
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	120	0	0
02:00-04:00	100	14	6
04:00-06:00	38	6	76
06:00-08:00	76	30	14
08:00-10:00	103	17	0
10:00-12:00	120	0	0
12:00-14:00	115	5	0
14:00-16:00	51	34	35
16:00-18:00	110	10	0
18:00-20:00	10	45	65
20:00-22:00	0	0	120
22:00-24:00	0	0	120

Date:	12/1/2022
Start Time:	00:00:00 EST
Odometer:	213785.30 mi
Distance:	965.50 mi
Fuel:	132.00 gal
Fuel Economy:	7.31 mpg
Average Speed:	60.28 mph
DEF Fluid:	5.11 gal
Trip Economy:	189.07 mpg

Total (hh:mm)	16:01	05:10	02:49
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	120	0	0
02:00-04:00	81	30	9
04:00-06:00	51	0	69
06:00-08:00	96	5	19
08:00-10:00	120	0	0
10:00-12:00	80	25	15
12:00-14:00	87	19	14
14:00-16:00	71	11	38
16:00-18:00	97	18	5
18:00-20:00	120	0	0
20:00-22:00	13	107	0
22:00-24:00	25	95	0

DDEC® Reports - Daily Engine Usage

Print Date: 1/13/2023 10:51 AM
DDC

Date Range: 01/13/23 To 11/26/22 (EST)

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Vehicle ID:
Driver ID:
Engine S/N: ??????

Date:	11/30/2022
Start Time:	10:07:01 EST
Odometer:	213500.40 mi
Distance:	284.90 mi
Fuel:	41.50 gal
Fuel Economy:	6.87 mpg
Average Speed:	56.05 mph
DEF Fluid:	1.77 gal
Trip Economy:	161.09 mpg

Total (hh:mm)	05:05	01:53	17:02
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	76	14	30
12:00-14:00	12	28	80
14:00-16:00	82	13	25
16:00-18:00	63	18	39
18:00-20:00	0	21	99
20:00-22:00	0	0	120
22:00-24:00	72	19	29

Date:	11/30/2022
Start Time:	10:07:00 EST
Odometer:	213500.40 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:	11/30/2022
Start Time:	00:00:00 EST
Odometer:	213163.00 mi
Distance:	337.40 mi
Fuel:	43.00 gal
Fuel Economy:	7.85 mpg
Average Speed:	52.99 mph
DEF Fluid:	1.85 gal
Trip Economy:	182.85 mpg

Total (hh:mm)	06:22	00:05	17:33
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	65	1	54
02:00-04:00	0	0	120
04:00-06:00	106	4	10
06:00-08:00	120	0	0
08:00-10:00	91	0	29
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: 1/13/2023 10:51 AM
DDC

Date Range: 01/13/23 To 11/26/22 (EST)

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Vehicle ID:
Driver ID:
Engine S/N: ??????

Date:	11/29/2022
Start Time:	00:00:00 EST
Odometer:	212391.20 mi
Distance:	771.80 mi
Fuel:	105.50 gal
Fuel Economy:	7.32 mpg
Average Speed:	62.08 mph
DEF Fluid:	4.71 gal
Trip Economy:	163.87 mpg

Total (hh:mm)	12:26	00:57	10:37
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	120	0	0
02:00-04:00	76	3	41
04:00-06:00	120	0	0
06:00-08:00	81	24	15
08:00-10:00	16	1	103
10:00-12:00	0	0	120
12:00-14:00	79	9	32
14:00-16:00	108	11	1
16:00-18:00	54	0	66
18:00-20:00	0	6	114
20:00-22:00	3	0	117
22:00-24:00	89	3	28

Date:	11/28/2022
Start Time:	01:04:13 EST
Odometer:	211772.70 mi
Distance:	618.50 mi
Fuel:	86.25 gal
Fuel Economy:	7.17 mpg
Average Speed:	59.57 mph
DEF Fluid:	3.72 gal
Trip Economy:	166.38 mpg

Total (hh:mm)	10:23	02:19	11:18
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	20	33	67
02:00-04:00	0	18	102
04:00-06:00	86	12	22
06:00-08:00	0	1	119
08:00-10:00	41	30	49
10:00-12:00	101	12	7
12:00-14:00	2	0	118
14:00-16:00	75	3	42
16:00-18:00	24	0	96
18:00-20:00	68	29	23
20:00-22:00	120	0	0
22:00-24:00	86	1	33

Date:	11/27/2022
Start Time:	10:57:02 EST
Odometer:	211772.70 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	00:18	23:42
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	15	105
12:00-14:00	0	3	117
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: 1/13/2023 10:51 AM
DDC

Date Range: 01/13/23 To 11/26/22 (EST)

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Vehicle ID:
Driver ID:
Engine S/N: ??????

Date:	11/26/2022
Start Time:	11:28:01 EST
Odometer:	211759.50 mi
Distance:	13.20 mi
Fuel:	1.50 gal
Fuel Economy:	8.80 mpg
Average Speed:	46.59 mph
DEF Fluid:	0.04 gal
Trip Economy:	307.20 mpg

Total (hh:mm)	00:17	00:11	23:32
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	9	111
12:00-14:00	17	2	101
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:	11/26/2022
Start Time:	11:28:00 EST
Odometer:	211759.50 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:	11/26/2022
Start Time:	00:12:32 EST
Odometer:	211756.50 mi
Distance:	3.00 mi
Fuel:	0.50 gal
Fuel Economy:	6.00 mpg
Average Speed:	25.71 mph
DEF Fluid:	0.00 gal
Trip Economy:	768.00 mpg

Total (hh:mm)	00:07	00:43	23:10
Hour (EST)	Drive (min)	Idle (min)	Off (min)
00:00-02:00	3	9	108
02:00-04:00	0	0	120
04:00-06:00	0	26	94
06:00-08:00	0	0	120
08:00-10:00	4	8	108
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: 1/13/2023 10:51 AM
DDC

Trip: - To 01/13/23 (EST)

Vehicle ID:

Driver ID:

Odometer: 222351.8 mi

Engine S/N: ??????

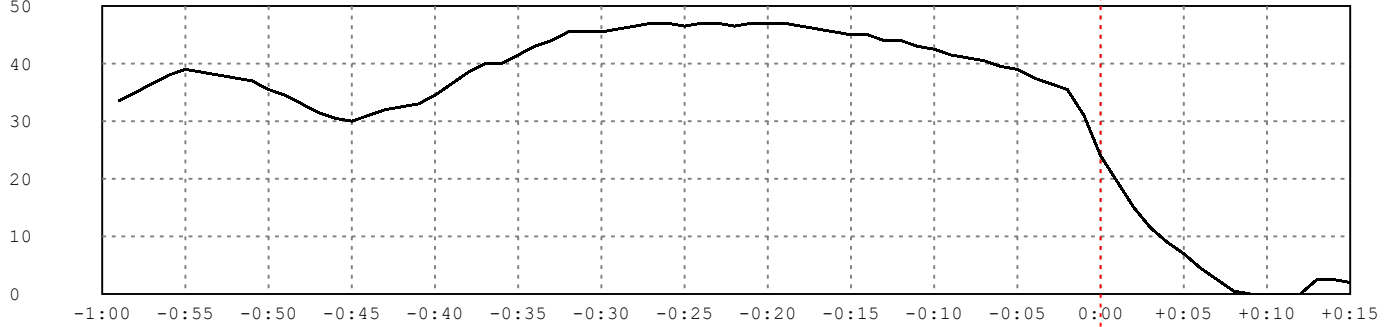
Trip Distance 222351.8 mi
Trip Fuel 32270.21 gal
Fuel Economy 6.89 mpg
Avg Drive Load 48 %
Avg Vehicle Speed 58.9 mph

Trip Time 6406:18:02
Fuel Consumption 5.04 gal/h
Idle Time 2626:54:15
Idle Percent 41.01 %
Idle Fuel 2404.33 gal
Parked Regen Time 4:46:22

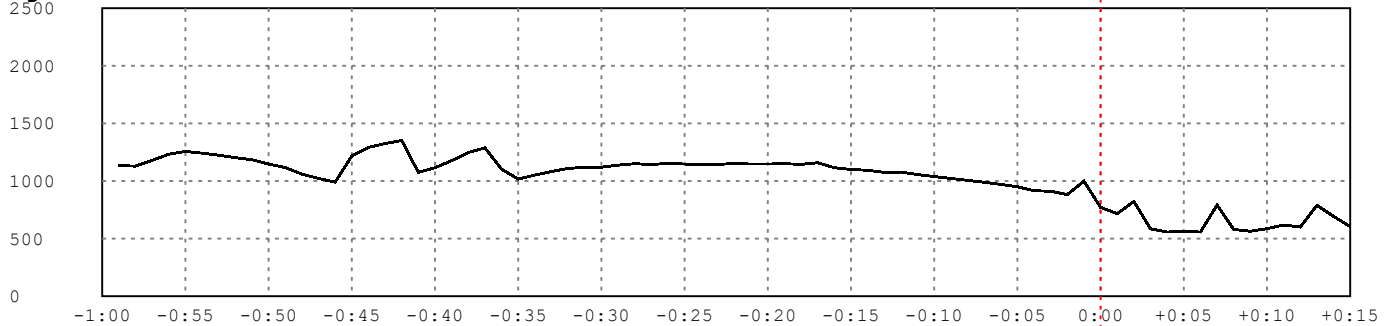
Incident Time: 12/14/22 14:53:16 (EST)

Incident Odometer: 221416.6 mi

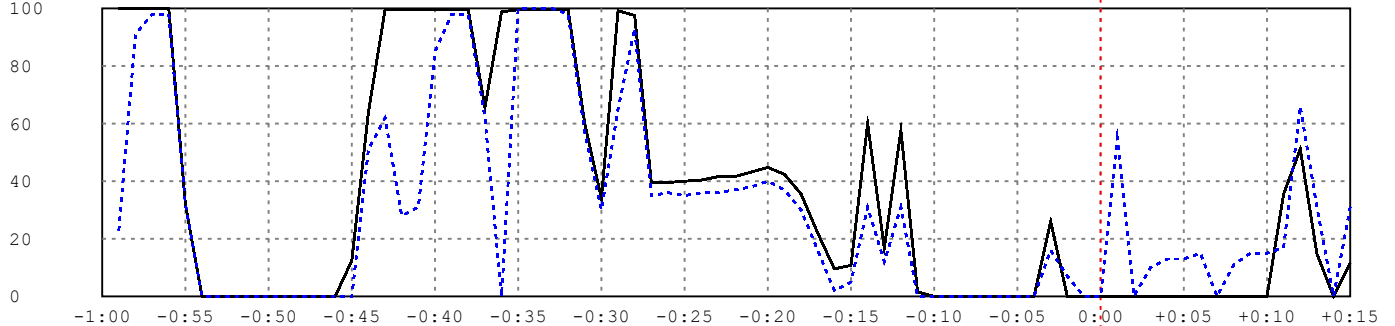
Vehicle Speed (mph)



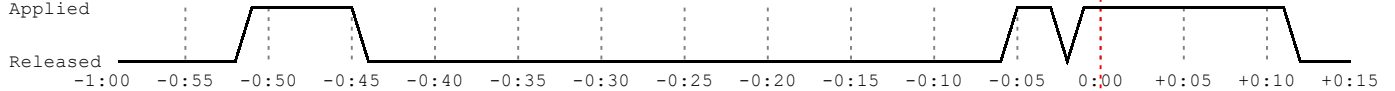
Engine RPM



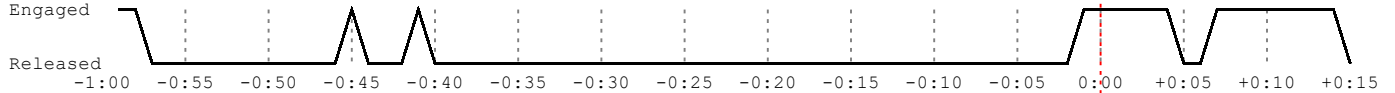
Percent



Brake



Clutch



DDEC® Reports - Hard Brake

#2

Print Date: 1/13/2023 10:51 AM
DDC

Trip: - To 01/13/23 (EST)

Vehicle ID:

Driver ID:

Odometer: 222351.8 mi

Engine S/N: ??????

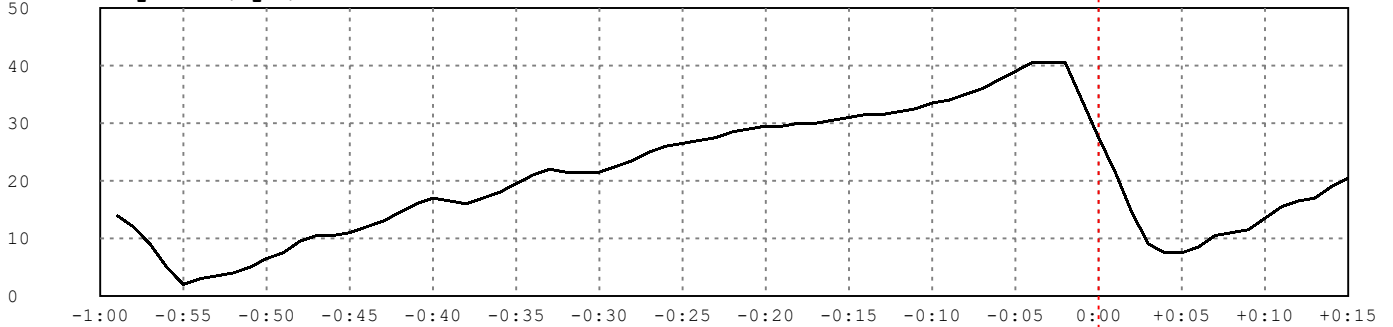
Trip Distance 222351.8 mi
Trip Fuel 32270.21 gal
Fuel Economy 6.89 mpg
Avg Drive Load 48 %
Avg Vehicle Speed 58.9 mph

Trip Time 6406:18:02
Fuel Consumption 5.04 gal/h
Idle Time 2626:54:15
Idle Percent 41.01 %
Idle Fuel 2404.33 gal
Parked Regen Time 4:46:22

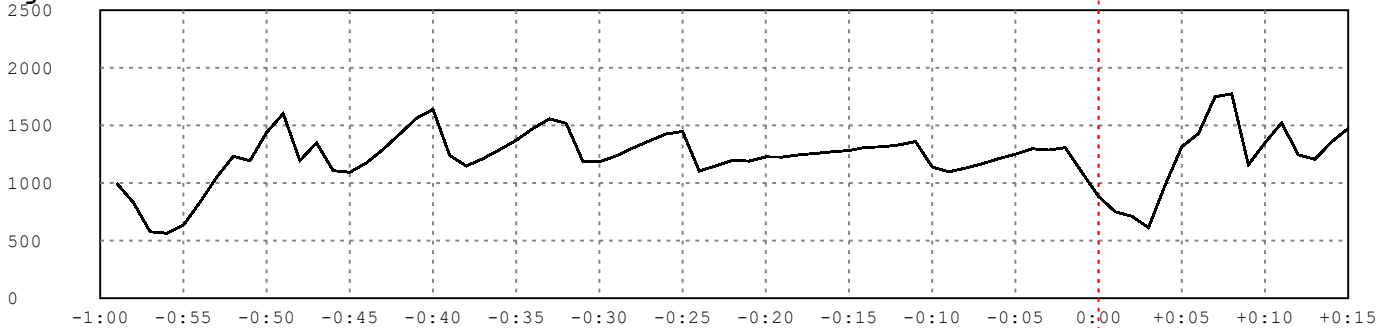
Incident Time: 12/14/22 11:35:52 (EST)

Incident Odometer: 221400.0 mi

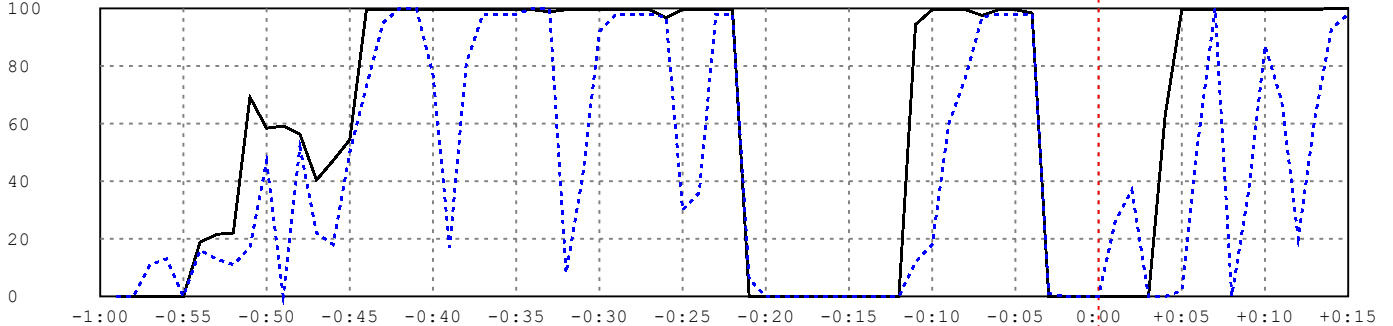
Vehicle Speed (mph)



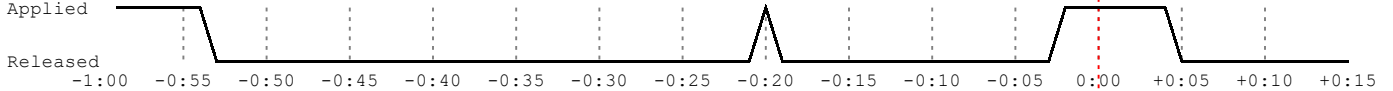
Engine RPM



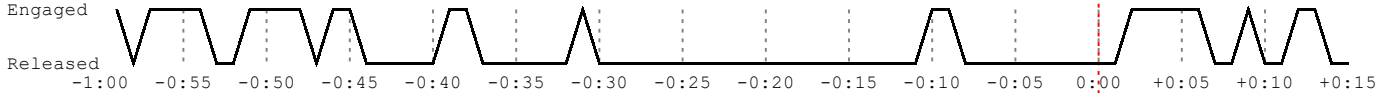
Percent



Brake



Clutch



DDEC® Reports - Hard Brake

#1

Print Date: 1/13/2023 10:51 AM
DDC

Trip: - To 01/13/23 (EST)

Vehicle ID:

Driver ID:

Odometer: 222351.8 mi

Engine S/N: ???????

Trip Distance	222351.8 mi	Trip Time	6406:18:02
Trip Fuel	32270.21 gal	Fuel Consumption	5.04 gal/h
Fuel Economy	6.89 mpg	Idle Time	2626:54:15
Avg Drive Load	48 %	Idle Percent	41.01 %
Avg Vehicle Speed	58.9 mph	Idle Fuel	2404.33 gal
		Parked Regen Time	4:46:22

Incident Time: 12/14/2022 2:53:16 PM (EST) Incident Odometer: 221416.6 mi

Time	Vehicle Speed (mph)	Engine Speed (rpm)	Brake	Clutch	Engine Load (%)	Throttle (%)	Cruise	Diag. Code
-0:59	33.5	1135	No	Yes	23.00	100.00	No	No
-0:58	35.0	1129	No	Yes	91.00	100.00	No	No
-0:57	36.5	1180	No	No	98.00	100.00	No	No
-0:56	38.0	1232	No	No	98.00	100.00	No	No
-0:55	39.0	1258	No	No	32.00	32.00	No	No
-0:54	38.5	1243	No	No	0.00	0.00	No	No
-0:53	38.0	1224	No	No	0.00	0.00	No	No
-0:52	37.5	1204	No	No	0.00	0.00	No	No
-0:51	37.0	1186	Yes	No	0.00	0.00	No	No
-0:50	35.5	1148	Yes	No	0.00	0.00	No	No
-0:49	34.5	1117	Yes	No	0.00	0.00	No	No
-0:48	33.0	1060	Yes	No	0.00	0.00	No	No
-0:47	31.5	1024	Yes	No	0.00	0.00	No	No
-0:46	30.5	991	Yes	No	0.00	0.00	No	No
-0:45	30.0	1217	Yes	Yes	0.00	12.40	No	No
-0:44	31.0	1292	No	No	51.00	64.00	No	No
-0:43	32.0	1326	No	No	62.00	99.60	No	No
-0:42	32.5	1352	No	No	28.00	99.60	No	No
-0:41	33.0	1076	No	Yes	31.00	99.60	No	No
-0:40	34.5	1116	No	No	85.00	99.60	No	No
-0:39	36.5	1177	No	No	98.00	99.60	No	No
-0:38	38.5	1248	No	No	98.00	99.60	No	No
-0:37	40.0	1288	No	No	62.00	65.60	No	No
-0:36	40.0	1103	No	No	0.00	98.80	No	No
-0:35	41.5	1018	No	No	100.00	99.60	No	No
-0:34	43.0	1052	No	No	100.00	99.60	No	No
-0:33	44.0	1083	No	No	100.00	99.60	No	No
-0:32	45.5	1111	No	No	98.00	99.60	No	No
-0:31	45.5	1119	No	No	57.00	60.00	No	No
-0:30	45.5	1120	No	No	30.00	34.00	No	No
-0:29	46.0	1138	No	No	65.00	99.20	No	No
-0:28	46.5	1150	No	No	93.00	97.60	No	No
-0:27	47.0	1144	No	No	35.00	39.60	No	No
-0:26	47.0	1154	No	No	36.00	39.60	No	No
-0:25	46.5	1148	No	No	35.00	40.00	No	No
-0:24	47.0	1144	No	No	36.00	40.40	No	No
-0:23	47.0	1146	No	No	36.00	41.60	No	No
-0:22	46.5	1152	No	No	37.00	41.60	No	No
-0:21	47.0	1148	No	No	38.00	43.20	No	No
-0:20	47.0	1147	No	No	40.00	44.80	No	No

DDEC® Reports - Hard Brake

#1

Print Date: 1/13/2023 10:51 AM
DDC

Trip: - To 01/13/23 (EST)

Vehicle ID:

Driver ID:

Odometer:

222351.8 mi

Engine S/N:

??????

Incident Time: 12/14/2022 2:53:16 PM (EST) Incident Odometer: 221416.6 mi

Time	Vehicle Speed (mph)	Engine Speed (rpm)	Brake	Clutch	Engine Load (%)	Throttle (%)	Cruise	Diag. Code
-0:19	47.0	1151	No	No	37.00	42.40	No	No
-0:18	46.5	1145	No	No	30.00	35.60	No	No
-0:17	46.0	1159	No	No	16.00	22.00	No	No
-0:16	45.5	1116	No	No	2.00	9.60	No	No
-0:15	45.0	1100	No	No	5.00	10.80	No	No
-0:14	45.0	1093	No	No	31.00	60.00	No	No
-0:13	44.0	1076	No	No	12.00	16.80	No	No
-0:12	44.0	1079	No	No	31.00	57.60	No	No
-0:11	43.0	1057	No	No	0.00	1.60	No	No
-0:10	42.5	1039	No	No	0.00	0.00	No	No
-0:09	41.5	1023	No	No	0.00	0.00	No	No
-0:08	41.0	1006	No	No	0.00	0.00	No	No
-0:07	40.5	990	No	No	0.00	0.00	No	No
-0:06	39.5	972	No	No	0.00	0.00	No	No
-0:05	39.0	951	Yes	No	0.00	0.00	No	No
-0:04	37.5	917	Yes	No	0.00	0.00	No	No
-0:03	36.5	912	Yes	No	16.00	26.00	No	No
-0:02	35.5	883	No	No	7.00	0.00	No	No
-0:01	31.0	1000	Yes	Yes	0.00	0.00	No	No
0:00	24.0	771	Yes	Yes	0.00	0.00	No	No
+0:01	19.5	718	Yes	Yes	55.00	0.00	No	No
+0:02	15.0	823	Yes	Yes	0.00	0.00	No	No
+0:03	11.5	586	Yes	Yes	10.00	0.00	No	No
+0:04	9.0	558	Yes	Yes	13.00	0.00	No	No
+0:05	7.0	563	Yes	No	13.00	0.00	No	No
+0:06	4.5	558	Yes	No	15.00	0.00	No	No
+0:07	2.5	793	Yes	Yes	0.00	0.00	No	No
+0:08	0.5	580	Yes	Yes	11.00	0.00	No	No
+0:09	0.0	565	Yes	Yes	15.00	0.00	No	No
+0:10	0.0	587	Yes	Yes	15.00	0.00	No	No
+0:11	0.0	619	Yes	Yes	17.00	35.60	No	No
+0:12	0.0	600	No	Yes	66.00	51.20	No	No
+0:13	2.5	789	No	Yes	31.00	14.80	No	No
+0:14	2.5	694	No	Yes	0.00	0.00	No	No
+0:15	2.0	605	No	No	31.00	11.60	No	No

DDEC® Reports - Hard Brake

#2

Print Date: 1/13/2023 10:51 AM
DDC

Trip: - To 01/13/23 (EST)

Vehicle ID:

Driver ID:

Odometer: 222351.8 mi

Engine S/N: ??????

Trip Distance	222351.8 mi	Trip Time	6406:18:02
Trip Fuel	32270.21 gal	Fuel Consumption	5.04 gal/h
Fuel Economy	6.89 mpg	Idle Time	2626:54:15
Avg Drive Load	48 %	Idle Percent	41.01 %
Avg Vehicle Speed	58.9 mph	Idle Fuel	2404.33 gal
		Parked Regen Time	4:46:22

Incident Time: 12/14/2022 11:35:52 AM (EST) Incident Odometer: 221400.0 mi

Time	Vehicle Speed (mph)	Engine Speed (rpm)	Brake	Clutch	Engine Load (%)	Throttle (%)	Cruise	Diag. Code
-0:59	14.0	996	Yes	Yes	0.00	0.00	No	No
-0:58	12.0	830	Yes	No	0.00	0.00	No	No
-0:57	9.0	577	Yes	Yes	11.00	0.00	No	No
-0:56	5.0	565	Yes	Yes	13.00	0.00	No	No
-0:55	2.0	634	Yes	Yes	0.00	0.00	No	No
-0:54	3.0	835	Yes	Yes	16.00	18.80	No	No
-0:53	3.5	1051	No	No	13.00	21.60	No	No
-0:52	4.0	1233	No	No	11.00	22.00	No	No
-0:51	5.0	1194	No	Yes	17.00	69.20	No	No
-0:50	6.5	1440	No	Yes	47.00	58.40	No	No
-0:49	7.5	1602	No	Yes	0.00	59.20	No	No
-0:48	9.5	1195	No	Yes	52.00	56.40	No	No
-0:47	10.5	1350	No	No	22.00	40.40	No	No
-0:46	10.5	1107	No	Yes	18.00	47.20	No	No
-0:45	11.0	1093	No	Yes	50.00	54.40	No	No
-0:44	12.0	1176	No	No	73.00	99.60	No	No
-0:43	13.0	1293	No	No	95.00	99.60	No	No
-0:42	14.5	1425	No	No	100.00	99.60	No	No
-0:41	16.0	1561	No	No	100.00	99.60	No	No
-0:40	17.0	1640	No	No	77.00	99.60	No	No
-0:39	16.5	1240	No	Yes	17.00	99.60	No	No
-0:38	16.0	1148	No	Yes	81.00	99.60	No	No
-0:37	17.0	1212	No	No	98.00	99.60	No	No
-0:36	18.0	1289	No	No	98.00	99.60	No	No
-0:35	19.5	1372	No	No	98.00	99.60	No	No
-0:34	21.0	1473	No	No	100.00	99.60	No	No
-0:33	22.0	1557	No	No	100.00	98.80	No	No
-0:32	21.5	1519	No	No	8.00	99.60	No	No
-0:31	21.5	1191	No	Yes	42.00	99.60	No	No
-0:30	21.5	1184	No	No	92.00	99.60	No	No
-0:29	22.5	1235	No	No	98.00	99.60	No	No
-0:28	23.5	1303	No	No	98.00	99.60	No	No
-0:27	25.0	1366	No	No	98.00	99.60	No	No
-0:26	26.0	1426	No	No	97.00	96.80	No	No
-0:25	26.5	1449	No	No	30.00	99.60	No	No
-0:24	27.0	1105	No	No	36.00	99.60	No	No
-0:23	27.5	1150	No	No	98.00	99.60	No	No
-0:22	28.5	1196	No	No	98.00	99.60	No	No
-0:21	29.0	1191	No	No	6.00	0.00	No	No
-0:20	29.5	1227	Yes	No	0.00	0.00	No	No

DDEC® Reports - Hard Brake

#2

Print Date: 1/13/2023 10:51 AM

Trip: - To 01/13/23 (EST)

DDC

Vehicle ID:

Driver ID:

Odometer:

222351.8 mi

Engine S/N:

??????

Incident Time: 12/14/2022 11:35:52 AM (EST) Incident Odometer: 221400.0 mi

Time	Vehicle Speed (mph)	Engine Speed (rpm)	Brake	Clutch	Engine Load (%)	Throttle (%)	Cruise	Diag. Code
-0:19	29.5	1225	No	No	0.00	0.00	No	No
-0:18	30.0	1246	No	No	0.00	0.00	No	No
-0:17	30.0	1258	No	No	0.00	0.00	No	No
-0:16	30.5	1272	No	No	0.00	0.00	No	No
-0:15	31.0	1282	No	No	0.00	0.00	No	No
-0:14	31.5	1310	No	No	0.00	0.00	No	No
-0:13	31.5	1315	No	No	0.00	0.00	No	No
-0:12	32.0	1332	No	No	0.00	0.00	No	No
-0:11	32.5	1361	No	No	12.00	94.40	No	No
-0:10	33.5	1139	No	Yes	18.00	99.60	No	No
-0:09	34.0	1098	No	Yes	60.00	99.60	No	No
-0:08	35.0	1130	No	No	76.00	99.60	No	No
-0:07	36.0	1167	No	No	97.00	97.60	No	No
-0:06	37.5	1211	No	No	98.00	99.60	No	No
-0:05	39.0	1250	No	No	98.00	99.60	No	No
-0:04	40.5	1299	No	No	98.00	98.40	No	No
-0:03	40.5	1287	No	No	1.00	0.00	No	No
-0:02	40.5	1308	Yes	No	0.00	0.00	No	No
-0:01	34.0	1092	Yes	No	0.00	0.00	No	No
0:00	27.5	884	Yes	No	0.00	0.00	No	No
+0:01	21.5	751	Yes	No	26.00	0.00	No	No
+0:02	14.5	712	Yes	Yes	37.00	0.00	No	No
+0:03	9.0	613	Yes	Yes	0.00	0.00	No	No
+0:04	7.5	983	Yes	Yes	0.00	62.80	No	No
+0:05	7.5	1315	No	Yes	2.00	99.60	No	No
+0:06	8.5	1430	No	Yes	55.00	99.60	No	No
+0:07	10.5	1749	No	No	100.00	99.60	No	No
+0:08	11.0	1774	No	No	0.00	99.60	No	No
+0:09	11.5	1159	No	Yes	36.00	99.60	No	No
+0:10	13.5	1349	No	No	87.00	99.60	No	No
+0:11	15.5	1522	No	No	68.00	99.60	No	No
+0:12	16.5	1246	No	Yes	20.00	99.60	No	No
+0:13	17.0	1206	No	Yes	62.00	99.60	No	No
+0:14	19.0	1358	No	No	93.00	100.00	No	No
+0:15	20.5	1475	No	No	98.00	100.00	No	No

DDEC® Reports - Last Stop Record

Print Date: 1/13/2023 10:51 AM
DDC

Trip: - To 01/13/23 (EST)

Vehicle ID:

Driver ID:

Odometer: 222351.8 mi

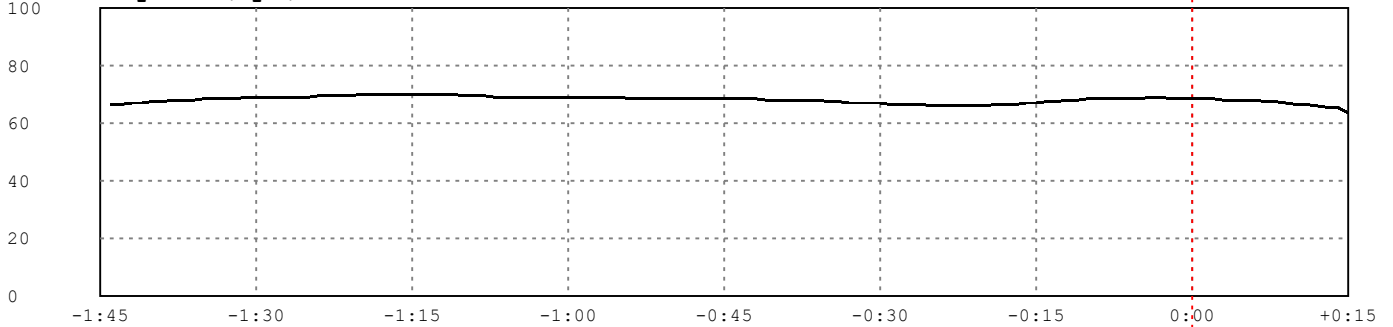
Engine S/N: ??????

Trip Distance	222351.8 mi	Trip Time	6406:18:02
Trip Fuel	32270.21 gal	Fuel Consumption	5.04 gal/h
Fuel Economy	6.89 mpg	Idle Time	2626:54:15
Avg Drive Load	48 %	Idle Percent	41.01 %
Avg Vehicle Speed	58.9 mph	Idle Fuel	2404.33 gal
		Parked Regen Time	4:46:22

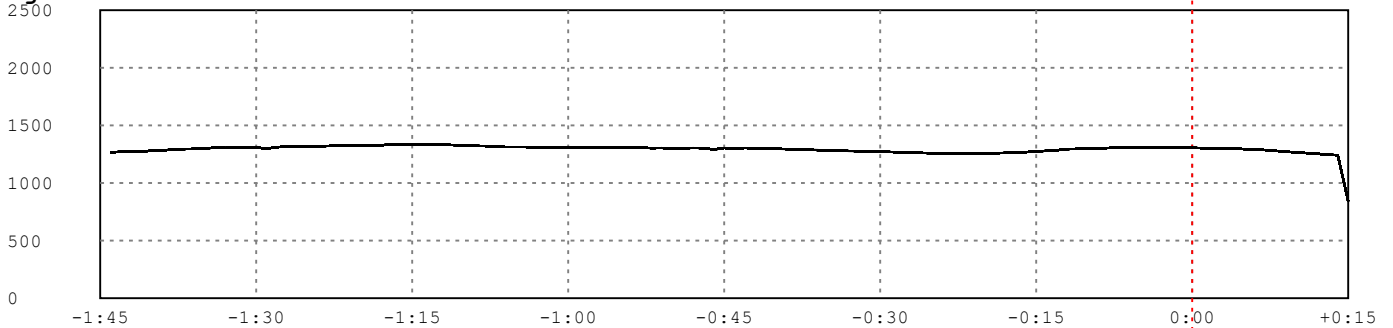
Last Stop Time: 12/16/22 1:36:41 (EST)

Last Stop Odometer: 222351.8 mi

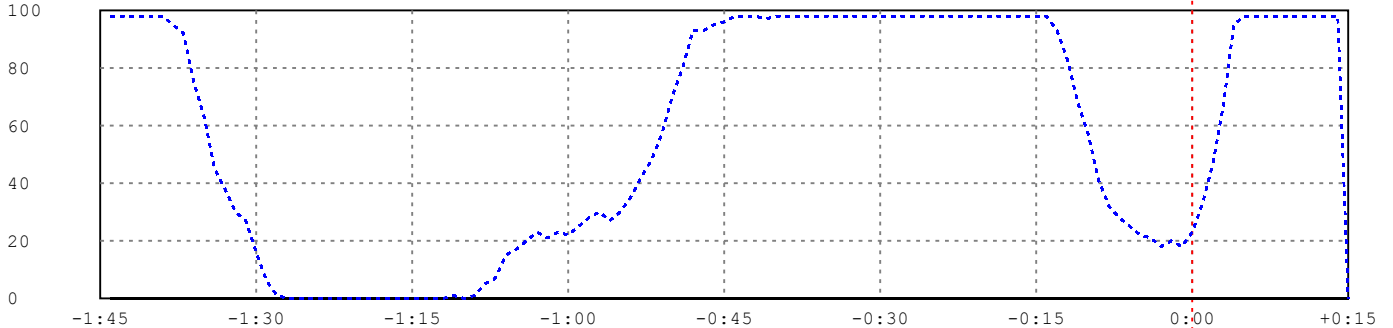
Vehicle Speed (mph)



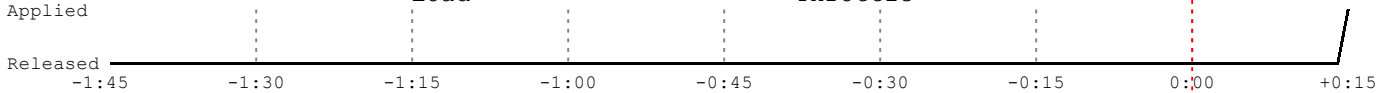
Engine RPM



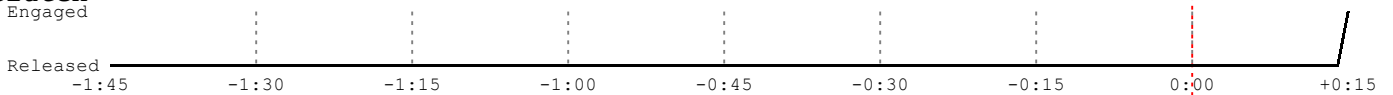
Percent



Brake



Clutch



DDEC® Reports - Last Stop Record

Print Date: 1/13/2023 10:51 AM
DDC

Trip: - To 01/13/23 (EST)
Vehicle ID:
Driver ID:
Odometer: 222351.8 mi
Engine S/N: ??????

Trip Distance	222351.8 mi	Trip Time	6406:18:02
Trip Fuel	32270.21 gal	Fuel Consumption	5.04 gal/h
Fuel Economy	6.89 mpg	Idle Time	2626:54:15
Avg Drive Load	48 %	Idle Percent	41.01 %
Avg Vehicle Speed	58.9 mph	Idle Fuel	2404.33 gal
		Parked Regen Time	4:46:22

Last Stop Time: 12/16/2022 1:36:41 AM (EST) Last Stop Odometer: 222351.8 mi

Time	Vehicle Speed (mph)	Engine Speed (rpm)	Brake	Clutch	Engine Load (%)	Throttle (%)	Cruise	Diag. Code
-1:44	66.5	1268	No	No	98.00	0.00	Yes	No
-1:43	66.5	1271	No	No	98.00	0.00	Yes	No
-1:42	67.0	1272	No	No	98.00	0.00	Yes	No
-1:41	67.0	1275	No	No	98.00	0.00	Yes	No
-1:40	67.5	1281	No	No	98.00	0.00	Yes	No
-1:39	67.5	1284	No	No	98.00	0.00	Yes	No
-1:38	68.0	1291	No	No	95.00	0.00	Yes	No
-1:37	68.0	1295	No	No	92.00	0.00	Yes	No
-1:36	68.0	1296	No	No	75.00	0.00	Yes	No
-1:35	68.5	1299	No	No	63.00	0.00	Yes	No
-1:34	68.5	1308	No	No	45.00	0.00	Yes	No
-1:33	68.5	1305	No	No	38.00	0.00	Yes	No
-1:32	68.5	1306	No	No	30.00	0.00	Yes	No
-1:31	69.0	1307	No	No	27.00	0.00	Yes	No
-1:30	69.0	1309	No	No	16.00	0.00	Yes	No
-1:29	69.0	1299	No	No	6.00	0.00	Yes	No
-1:28	69.0	1312	No	No	1.00	0.00	Yes	No
-1:27	69.0	1317	No	No	0.00	0.00	Yes	No
-1:26	69.0	1314	No	No	0.00	0.00	Yes	No
-1:25	69.0	1319	No	No	0.00	0.00	Yes	No
-1:24	69.5	1318	No	No	0.00	0.00	Yes	No
-1:23	69.5	1322	No	No	0.00	0.00	Yes	No
-1:22	69.5	1325	No	No	0.00	0.00	Yes	No
-1:21	69.5	1327	No	No	0.00	0.00	Yes	No
-1:20	70.0	1329	No	No	0.00	0.00	Yes	No
-1:19	70.0	1331	No	No	0.00	0.00	Yes	No
-1:18	70.0	1329	No	No	0.00	0.00	Yes	No
-1:17	70.0	1335	No	No	0.00	0.00	Yes	No
-1:16	70.0	1335	No	No	0.00	0.00	Yes	No
-1:15	70.0	1334	No	No	0.00	0.00	Yes	No
-1:14	70.0	1334	No	No	0.00	0.00	Yes	No
-1:13	70.0	1336	No	No	0.00	0.00	Yes	No
-1:12	70.0	1331	No	No	0.00	0.00	Yes	No
-1:11	70.0	1329	No	No	1.00	0.00	Yes	No
-1:10	69.5	1328	No	No	0.00	0.00	Yes	No
-1:09	69.5	1324	No	No	1.00	0.00	Yes	No
-1:08	69.5	1322	No	No	5.00	0.00	Yes	No
-1:07	69.0	1318	No	No	7.00	0.00	Yes	No
-1:06	69.0	1313	No	No	15.00	0.00	Yes	No
-1:05	69.0	1312	No	No	17.00	0.00	Yes	No

DDEC® Reports - Last Stop Record

Print Date: 1/13/2023 10:51 AM
DDC

Trip: - To 01/13/23 (EST)
Vehicle ID:
Driver ID:
Odometer: 222351.8 mi
Engine S/N: ??????

Last Stop Time: 12/16/2022 1:36:41 AM (EST) Last Stop Odometer: 222351.8 mi

Time	Vehicle Speed (mph)	Engine Speed (rpm)	Brake	Clutch	Engine Load (%)	Throttle (%)	Cruise	Diag. Code
-1:04	69.0	1315	No	No	20.00	0.00	Yes	No
-1:03	69.0	1310	No	No	23.00	0.00	Yes	No
-1:02	69.0	1309	No	No	21.00	0.00	Yes	No
-1:01	69.0	1306	No	No	23.00	0.00	Yes	No
-1:00	69.0	1308	No	No	22.00	0.00	Yes	No
-0:59	69.0	1309	No	No	25.00	0.00	Yes	No
-0:58	69.0	1308	No	No	28.00	0.00	Yes	No
-0:57	69.0	1309	No	No	30.00	0.00	Yes	No
-0:56	69.0	1311	No	No	27.00	0.00	Yes	No
-0:55	69.0	1310	No	No	30.00	0.00	Yes	No
-0:54	68.5	1308	No	No	35.00	0.00	Yes	No
-0:53	68.5	1307	No	No	42.00	0.00	Yes	No
-0:52	68.5	1304	No	No	48.00	0.00	Yes	No
-0:51	68.5	1305	No	No	57.00	0.00	Yes	No
-0:50	68.5	1298	No	No	70.00	0.00	Yes	No
-0:49	68.5	1302	No	No	80.00	0.00	Yes	No
-0:48	68.5	1305	No	No	93.00	0.00	Yes	No
-0:47	68.5	1304	No	No	93.00	0.00	Yes	No
-0:46	68.5	1291	No	No	95.00	0.00	Yes	No
-0:45	68.5	1305	No	No	96.00	0.00	Yes	No
-0:44	68.5	1299	No	No	98.00	0.00	Yes	No
-0:43	68.5	1305	No	No	98.00	0.00	Yes	No
-0:42	68.5	1300	No	No	98.00	0.00	Yes	No
-0:41	68.0	1298	No	No	97.00	0.00	Yes	No
-0:40	68.0	1297	No	No	98.00	0.00	Yes	No
-0:39	68.0	1294	No	No	98.00	0.00	Yes	No
-0:38	68.0	1293	No	No	98.00	0.00	Yes	No
-0:37	68.0	1291	No	No	98.00	0.00	Yes	No
-0:36	68.0	1288	No	No	98.00	0.00	Yes	No
-0:35	67.5	1281	No	No	98.00	0.00	Yes	No
-0:34	67.5	1282	No	No	98.00	0.00	Yes	No
-0:33	67.0	1277	No	No	98.00	0.00	Yes	No
-0:32	67.0	1276	No	No	98.00	0.00	Yes	No
-0:31	67.0	1275	No	No	98.00	0.00	Yes	No
-0:30	67.0	1272	No	No	98.00	0.00	Yes	No
-0:29	66.5	1270	No	No	98.00	0.00	Yes	No
-0:28	66.5	1267	No	No	98.00	0.00	Yes	No
-0:27	66.5	1264	No	No	98.00	0.00	Yes	No
-0:26	66.5	1263	No	No	98.00	0.00	Yes	No
-0:25	66.0	1258	No	No	98.00	0.00	Yes	No

DDEC® Reports - Last Stop Record

Print Date: 1/13/2023 10:51 AM
DDC

Trip: - To 01/13/23 (EST)

Vehicle ID:

Driver ID:

Odometer: 222351.8 mi

Engine S/N: ??????

Last Stop Time: 12/16/2022 1:36:41 AM (EST) Last Stop Odometer: 222351.8 mi

Time	Vehicle Speed (mph)	Engine Speed (rpm)	Brake	Clutch	Engine Load (%)	Throttle (%)	Cruise	Diag. Code
-0:24	66.0	1259	No	No	98.00	0.00	Yes	No
-0:23	66.0	1257	No	No	98.00	0.00	Yes	No
-0:22	66.0	1256	No	No	98.00	0.00	Yes	No
-0:21	66.0	1259	No	No	98.00	0.00	Yes	No
-0:20	66.0	1256	No	No	98.00	0.00	Yes	No
-0:19	66.5	1260	No	No	98.00	0.00	Yes	No
-0:18	66.5	1262	No	No	98.00	0.00	Yes	No
-0:17	66.5	1267	No	No	98.00	0.00	Yes	No
-0:16	67.0	1269	No	No	98.00	0.00	Yes	No
-0:15	67.0	1275	No	No	98.00	0.00	Yes	No
-0:14	67.5	1280	No	No	98.00	0.00	Yes	No
-0:13	67.5	1286	No	No	93.00	0.00	Yes	No
-0:12	68.0	1296	No	No	83.00	0.00	Yes	No
-0:11	68.0	1297	No	No	68.00	0.00	Yes	No
-0:10	68.5	1300	No	No	57.00	0.00	Yes	No
-0:09	68.5	1300	No	No	41.00	0.00	Yes	No
-0:08	68.5	1305	No	No	32.00	0.00	Yes	No
-0:07	68.5	1307	No	No	28.00	0.00	Yes	No
-0:06	68.5	1307	No	No	25.00	0.00	Yes	No
-0:05	68.5	1306	No	No	22.00	0.00	Yes	No
-0:04	69.0	1307	No	No	21.00	0.00	Yes	No
-0:03	69.0	1308	No	No	18.00	0.00	Yes	No
-0:02	68.5	1307	No	No	20.00	0.00	Yes	No
-0:01	68.5	1307	No	No	18.00	0.00	Yes	No
0:00	68.5	1306	No	No	23.00	0.00	Yes	No
+0:01	68.5	1304	No	No	33.00	0.00	Yes	No
+0:02	68.5	1303	No	No	47.00	0.00	Yes	No
+0:03	68.0	1298	No	No	67.00	0.00	Yes	No
+0:04	68.0	1299	No	No	95.00	0.00	Yes	No
+0:05	68.0	1296	No	No	98.00	0.00	Yes	No
+0:06	68.0	1293	No	No	98.00	0.00	Yes	No
+0:07	67.5	1287	No	No	98.00	0.00	Yes	No
+0:08	67.5	1281	No	No	98.00	0.00	Yes	No
+0:09	67.0	1272	No	No	98.00	0.00	Yes	No
+0:10	66.5	1266	No	No	98.00	0.00	Yes	No
+0:11	66.5	1261	No	No	98.00	0.00	Yes	No
+0:12	66.0	1255	No	No	98.00	0.00	Yes	No
+0:13	65.5	1247	No	No	98.00	0.00	Yes	No
+0:14	65.5	1243	No	No	98.00	0.00	Yes	No
+0:15	63.5	843	Yes	Yes	0.00	0.00	Yes	No

DDEC® Reports - Diagnostic Records

#1

File Name: 20230113104948825_UNKNOWN_3AKJHHRXNSMZ7498_CPC501T.XTR

Print Date: 1/13/2023 10:51 AM

Trip: - To 01/13/23 (EST)

Vehicle ID:

Driver ID:

Odometer: 222351.8 mi

Engine S/N: ???????

Trip Distance	222351.8 mi	Trip Time	6406:18:02
Trip Fuel	32270.21 gal	Fuel Consumption	5.04 gal/h
Fuel Economy	6.89 mpg	Idle Time	2626:54:15
Avg Drive Load	48 %	Idle Percent	41.01 %
Avg Vehicle Speed	58.9 mph	Idle Fuel	2404.33 gal
		Parked Regen Time	4:46:22

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: [-1/255] - Unknown Diagnostic Code

Diag. Time: 12/31/1999 7:00:00 PM (EST)

Time	Vehicle Speed (mph)	Engine Speed (rpm)	Boost Press (psi)	Oil Press (psi)	Fuel Press (psi)
19:00:00	0.0	0	0.0	0.0	0.0
18:59:55	0.0	0	0.0	0.0	0.0
18:59:50	0.0	0	0.0	0.0	0.0
18:59:45	0.0	0	0.0	0.0	0.0
18:59:40	0.0	0	0.0	0.0	0.0
18:59:35	0.0	0	0.0	0.0	0.0
18:59:30	0.0	0	0.0	0.0	0.0
18:59:25	0.0	0	0.0	0.0	0.0
18:59:20	0.0	0	0.0	0.0	0.0
18:59:15	0.0	0	0.0	0.0	0.0
18:59:10	0.0	0	0.0	0.0	0.0
18:59:05	0.0	0	0.0	0.0	0.0

Time	Coolant Temp (°F)	Oil Temp (°F)	Fuel Temp (°F)	Engine Load (%)	Throttle (% throttle)
19:00:00	32.0	32.0	32.0	0.0	0.0
18:59:55	-	-	-	0.0	0.0
18:59:50	-	-	-	0.0	0.0
18:59:45	-	-	-	0.0	0.0
18:59:40	-	-	-	0.0	0.0
18:59:35	-	-	-	0.0	0.0
18:59:30	-	-	-	0.0	0.0
18:59:25	-	-	-	0.0	0.0
18:59:20	-	-	-	0.0	0.0
18:59:15	-	-	-	0.0	0.0
18:59:10	-	-	-	0.0	0.0
18:59:05	-	-	-	0.0	0.0

Time	Eng. Brake (cylinders)	Cruise	Accel Switch	Brake Switch	Clutch Switch
19:00:00	Off	No	No	No	No
18:59:55	Off	No	No	No	No
18:59:50	Off	No	No	No	No
18:59:45	Off	No	No	No	No
18:59:40	Off	No	No	No	No
18:59:35	Off	No	No	No	No
18:59:30	Off	No	No	No	No
18:59:25	Off	No	No	No	No
18:59:20	Off	No	No	No	No
18:59:15	Off	No	No	No	No
18:59:10	Off	No	No	No	No
18:59:05	Off	No	No	No	No

DDEC® Reports - Diagnostic Records

#2

File Name: 20230113104948825_UNKNOWN_3AKJHHRXNSMZ7498_CPC501T.XTR

Print Date: 1/13/2023 10:51 AM

Trip: - To 01/13/23 (EST)

Vehicle ID:

Driver ID:

Odometer: 222351.8 mi

Engine S/N: ???????

Trip Distance	222351.8 mi	Trip Time	6406:18:02
Trip Fuel	32270.21 gal	Fuel Consumption	5.04 gal/h
Fuel Economy	6.89 mpg	Idle Time	2626:54:15
Avg Drive Load	48 %	Idle Percent	41.01 %
Avg Vehicle Speed	58.9 mph	Idle Fuel	2404.33 gal
		Parked Regen Time	4:46:22

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: [111/4] - Unknown Diagnostic Code

Diag. Time: 12/20/2022 10:58:30 AM (EST)

Time	Vehicle Speed (mph)	Engine Speed (rpm)	Boost Press (psi)	Oil Press (psi)	Fuel Press (psi)
10:58:30	0.0	0	0.0	0.0	0.0
10:58:25	0.0	0	0.0	0.0	0.0
10:58:20	0.0	0	0.0	0.0	0.0
10:58:15	0.0	0	0.0	0.0	0.0
10:58:10	0.0	0	0.0	0.0	0.0
10:58:05	0.0	0	0.0	0.0	0.0
10:58:00	0.0	0	0.0	0.0	0.0
10:57:55	0.0	0	0.0	0.0	0.0
10:57:50	0.0	0	0.0	0.0	0.0
10:57:45	0.0	0	0.0	0.0	0.0
10:57:40	0.0	0	0.0	0.0	0.0
10:57:35	0.0	0	0.0	0.0	0.0

Time	Coolant Temp (°F)	Oil Temp (°F)	Fuel Temp (°F)	Engine Load (%)	Throttle (% throttle)
10:58:30	32.0	32.0	32.0	0.0	0.0
10:58:25	-	-	-	0.0	0.0
10:58:20	-	-	-	0.0	0.0
10:58:15	-	-	-	0.0	0.0
10:58:10	-	-	-	0.0	0.0
10:58:05	-	-	-	0.0	0.0
10:58:00	-	-	-	0.0	0.0
10:57:55	-	-	-	0.0	0.0
10:57:50	-	-	-	0.0	0.0
10:57:45	-	-	-	0.0	0.0
10:57:40	-	-	-	0.0	0.0
10:57:35	-	-	-	0.0	0.0

Time	Eng. Brake (cylinders)	Cruise	Accel Switch	Brake Switch	Clutch Switch
10:58:30	Off	No	No	No	No
10:58:25	Off	No	No	No	No
10:58:20	Off	No	No	No	No
10:58:15	Off	No	No	No	No
10:58:10	Off	No	No	No	No
10:58:05	Off	No	No	No	No
10:58:00	Off	No	No	No	No
10:57:55	Off	No	No	No	No
10:57:50	Off	No	No	No	No
10:57:45	Off	No	No	No	No
10:57:40	Off	No	No	No	No
10:57:35	Off	No	No	No	No

DDEC® Reports - Transmission Trip

File Name: 20230113104948825_UNKNOWN_3AKJHHRXNSMZ7498_CPC501T.XTR

Print Date: 1/13/2023 10:51 AM

Trip: - To 01/13/23 (EST)

Vehicle ID:

Driver ID:

Odometer: 222351.8 mi

Engine S/N: ???????

Trip Distance	222351.8 mi	Trip Time	6406:18:02
Trip Fuel	32270.21 gal	Fuel Consumption	5.04 gal/h
Fuel Economy	6.89 mpg	Idle Time	2626:54:15
Driving Economy	7.45 mpg	Idle Percent	41.01 %
Avg Drive Load	48 %	Idle Fuel	2404.33 gal
Avg Vehicle Speed	58.9 mph	Parked Regen Time	4:46:22

Economy Mode 99.4 % in mode

Time	6366:56:55
Distance	222307.3 mi
Fuel	32230.13 gal
Shift Count	286460
Kickdown Time	16:22:21
Kickdown Count	0
Suggestive Shift Count	96

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 0.6 % in mode

Time	39:21:07
Distance	44.5 mi
Fuel	39.50 gal
Shift Count	1819

Launching

Launch Count	11193
Coast Down Re-Engage Cnt	1702

eCoast

Total Time	0:00:02
Total Distance	0.0 mi
Cruise Time	0:00:00
Cruise Percent	0.0 %
Cruise Distance	0.0 mi
Accelerator Time	0:00:02
Accelerator Percent	100.0 %
Accelerator Distance	0.0 mi

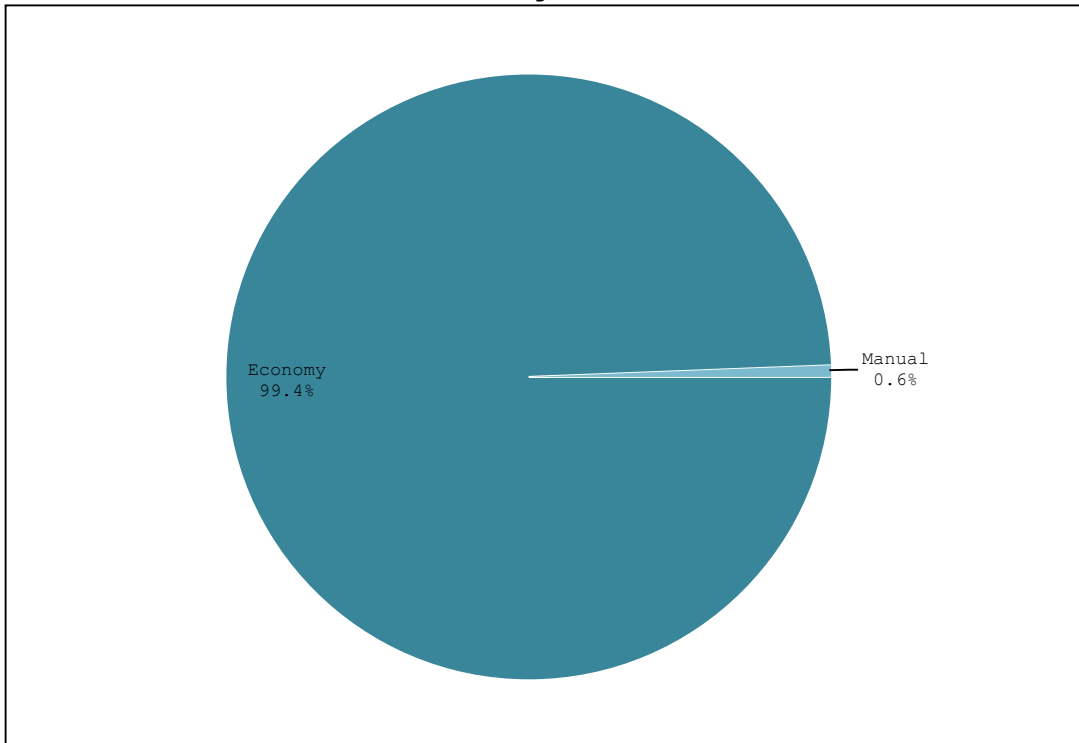
Clutch Overload/Clutch Overtemp

Overtemp Pre-Warn Count	2
Overtemp Warn Count	7
Warning	01/06/22 09:41 (EST)
Pre-Warn Time	0:00:00

Creep Mode

Creep Mode time	37:19:21
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Time Percentage in Each Mode



DDEC® Reports - Transmission Trip

File Name: 20230113104948825_UNKNOWN_3AKJHHRXNSMZ7498_CPC501T.XTR

Print Date: 1/13/2023 10:51 AM

Trip: - To 01/13/23 (EST)

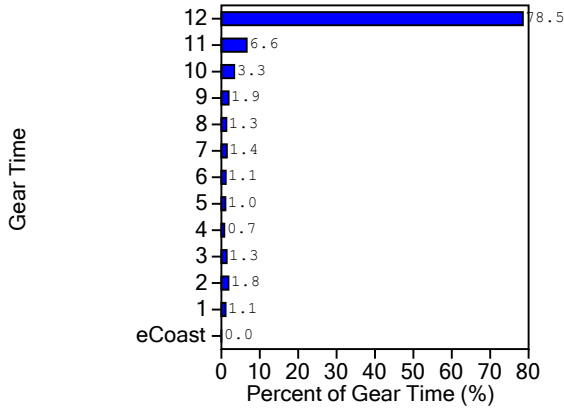
Vehicle ID:

Driver ID:

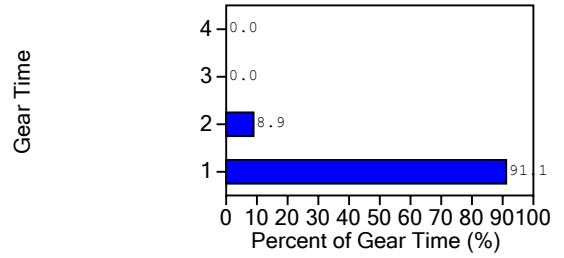
Odometer: 222351.8 mi

Engine S/N: ???????

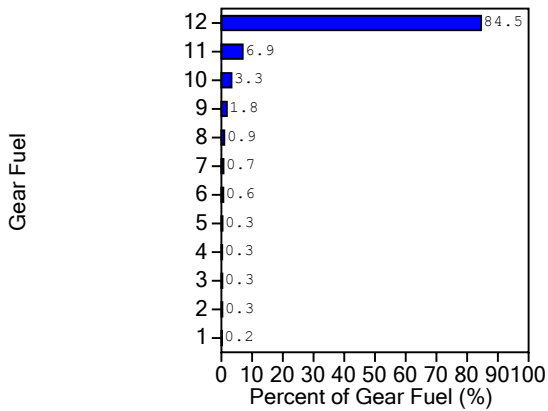
Forward Gear Time Histogram



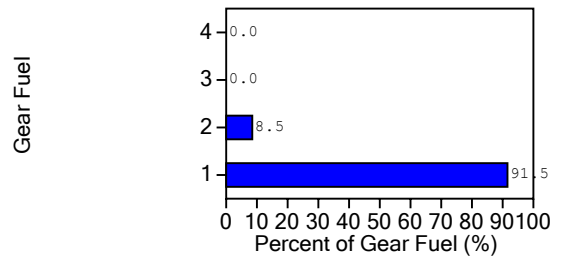
Reverse Gear Time Histogram



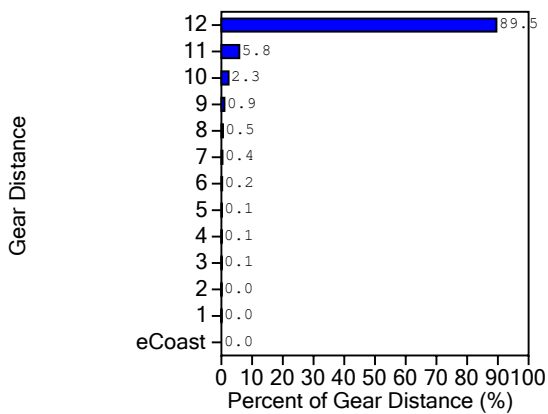
Forward Gear Fuel Histogram



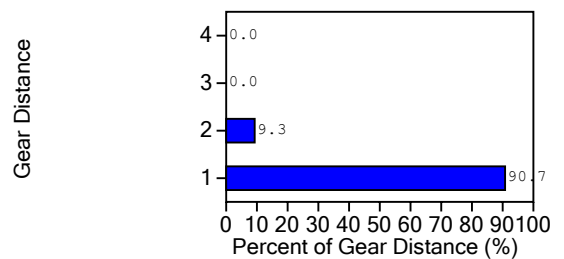
Reverse Gear Fuel Histogram



Forward Gear Distance Histogram



Reverse Gear Distance Histogram



DDEC® Reports - Monthly Transmission Trip

Print Date: 1/13/2023 10:51 AM

Partial Month: January, 2023 (EST)

DDC

Vehicle ID:

Driver ID:

Odometer: 222351.8 mi

Engine S/N: ???????

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	0:00:00

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

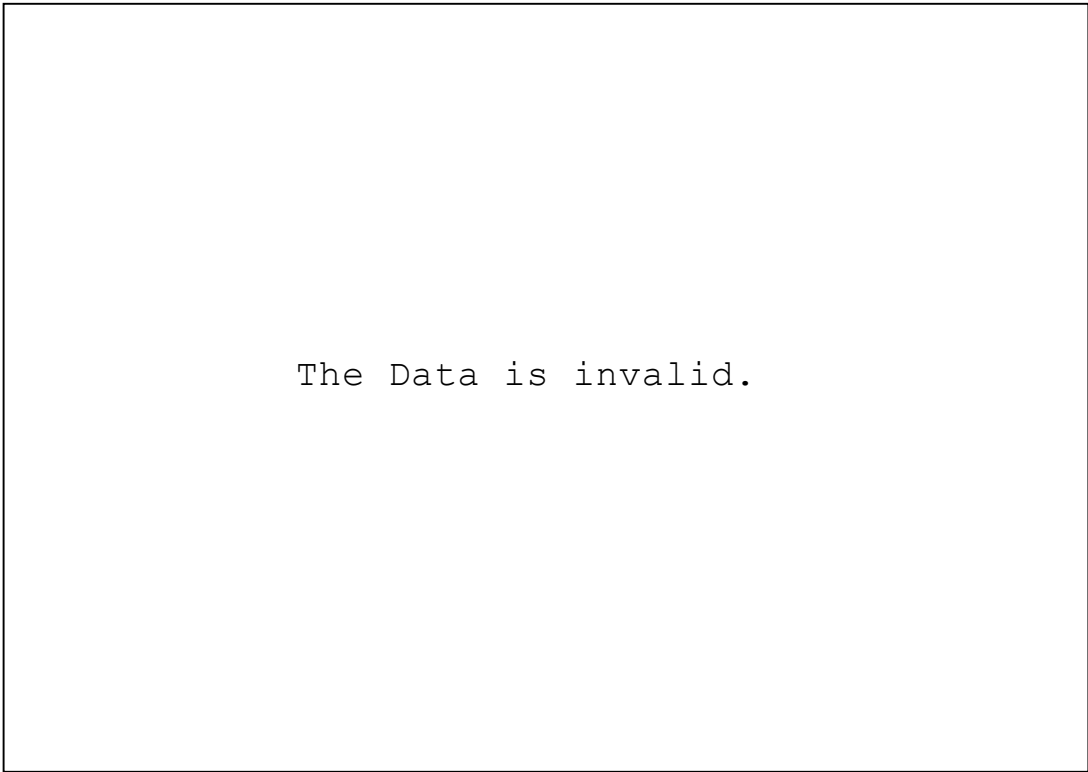
Clutch Overload/Clutch Overtemp

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

Creep Mode

Creep Mode time	0:00:00
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Time Percentage in Each Mode



DDEC® Reports - Monthly Transmission Trip

Print Date: 1/13/2023 10:51 AM

Partial Month: January, 2023 (EST)

DDC

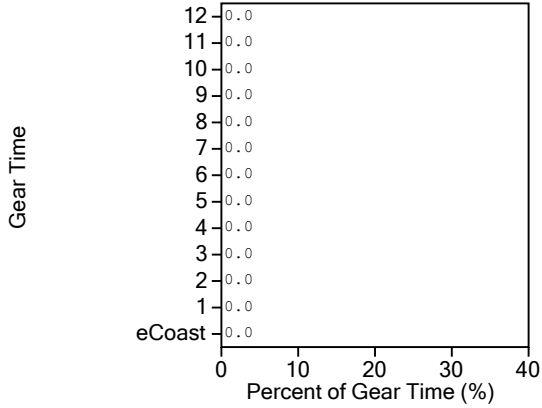
Vehicle ID:

Driver ID:

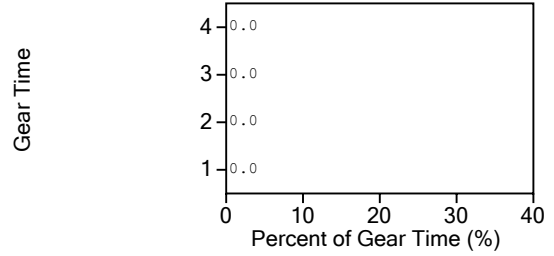
Odometer: 222351.8 mi

Engine S/N: ???????

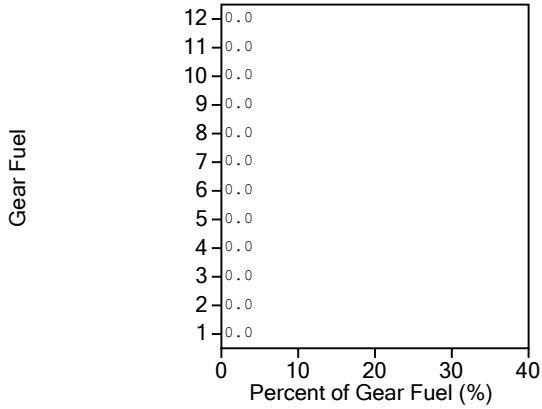
Forward Gear Time Histogram



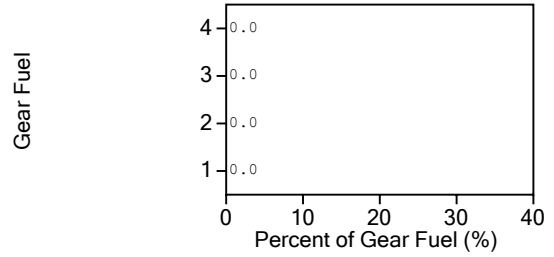
Reverse Gear Time Histogram



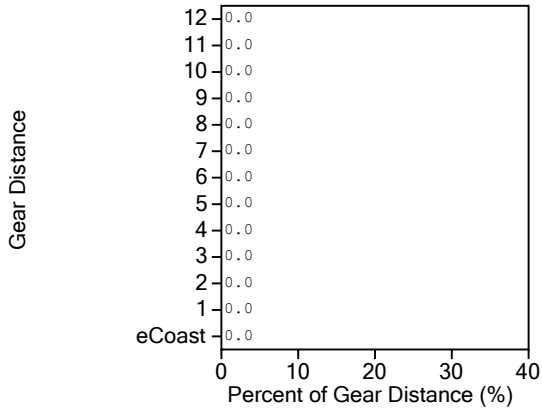
Forward Gear Fuel Histogram



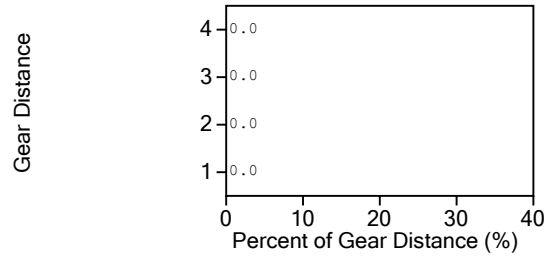
Reverse Gear Fuel Histogram



Forward Gear Distance Histogram



Reverse Gear Distance Histogram



DDEC® Reports - Monthly Transmission Trip

Print Date: 1/13/2023 10:51 AM

Month: December, 2022 (EST)

DDC

Vehicle ID:

Driver ID:

Odometer: 222351.8 mi

Engine S/N: ???????

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	0:00:00

Economy Mode 0.0 % in mode

Launching

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

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

Performance Mode 0.0 % in mode

Clutch Overload/Clutch Overtemp

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

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

Manual Mode 0.0 % in mode

Creep Mode

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

Creep Mode time	0:00:00
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Time Percentage in Each Mode

The Data is invalid.

DDEC® Reports - Monthly Transmission Trip

Print Date: 1/13/2023 10:51 AM

DDC

() -

Month: December, 2022 (EST)

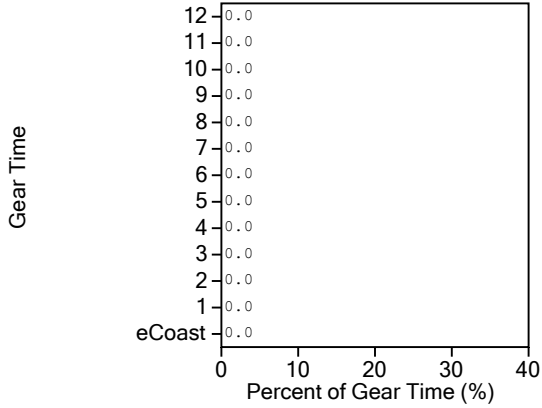
Vehicle ID:

Driver ID:

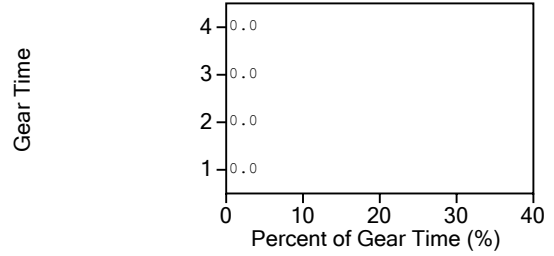
Odometer: 222351.8 mi

Engine S/N: ???????

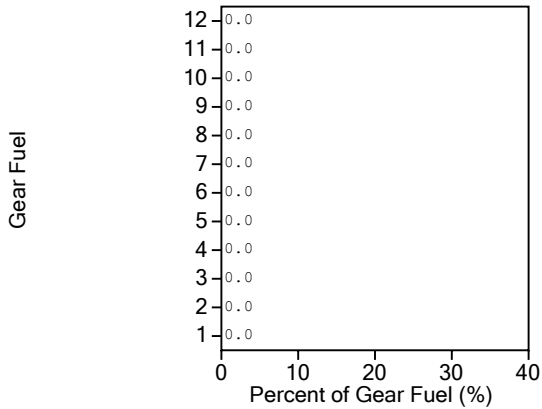
Forward Gear Time Histogram



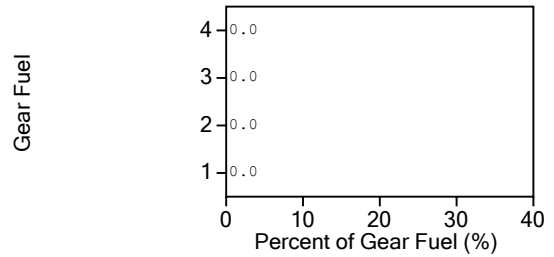
Reverse Gear Time Histogram



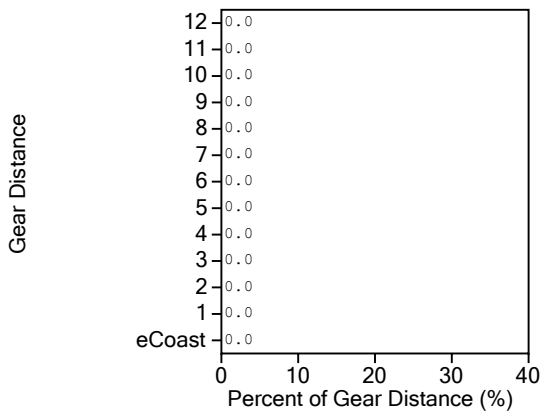
Forward Gear Fuel Histogram



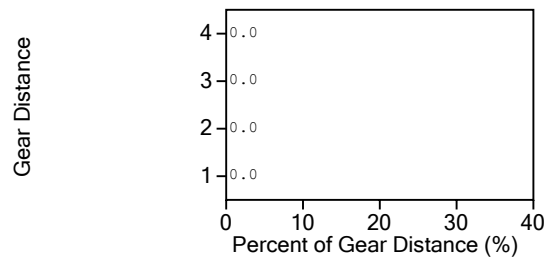
Reverse Gear Fuel Histogram



Forward Gear Distance Histogram



Reverse Gear Distance Histogram



DDEC® Reports - Monthly Transmission Trip

Print Date: 1/13/2023 10:51 AM

Month: December, 2022 (EST)

DDC

Vehicle ID:

Driver ID:

Odometer: 222351.8 mi

Engine S/N: ???????

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	0:00:00

Economy Mode 0.0 % in mode

Launching

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

Launch Count	0
Coast Down Re-Engage Cnt	0

eCoast

Performance Mode 0.0 % in mode

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

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

Clutch Overload/Clutch Overtemp

Manual Mode 0.0 % in mode

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

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

Creep Mode

Creep Mode time	0:00:00
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Time Percentage in Each Mode

The Data is invalid.

DDEC® Reports - Monthly Transmission Trip

Print Date: 1/13/2023 10:51 AM

Month: December, 2022 (EST)

DDC

Vehicle ID:

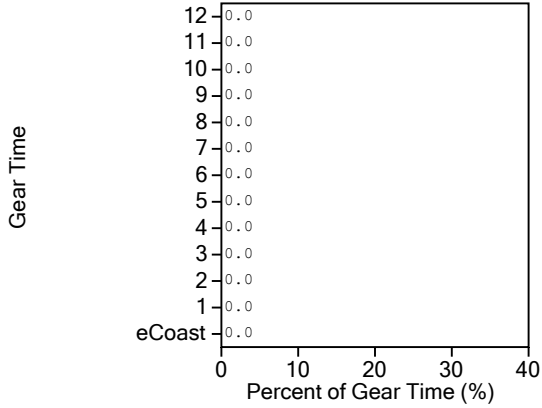
Driver ID:

Odometer: 222351.8 mi

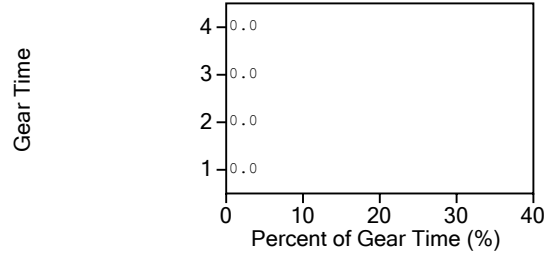
Engine S/N: ???????

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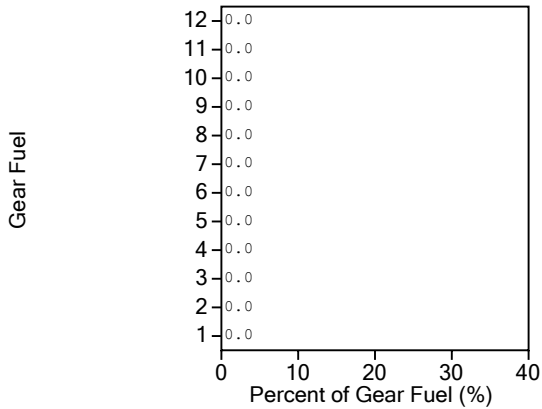
Forward Gear Time Histogram



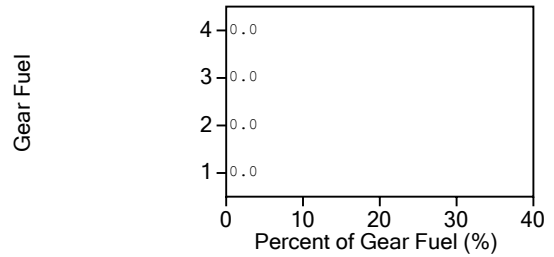
Reverse Gear Time Histogram



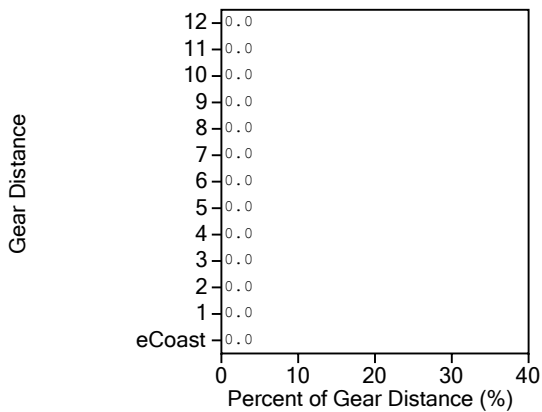
Forward Gear Fuel Histogram



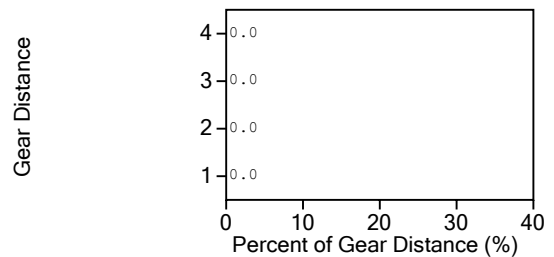
Reverse Gear Fuel Histogram



Forward Gear Distance Histogram



Reverse Gear Distance Histogram



DDEC® Reports - Transmission Life-To-Date

File Name: 20230113104948825_UNKNOWN_3AKJHHDRXNSMZ7498_CPC501T.XTR

Print Date: 1/13/2023 10:51 AM

Trip: - To 01/13/23 (EST)

Vehicle ID:

Driver ID:

Odometer: 222351.8 mi

Engine S/N: ???????

Trip Distance	222351.8 mi	Trip Time	6406:18:02
Trip Fuel	32270.21 gal	Fuel Consumption	5.04 gal/h
Fuel Economy	6.89 mpg	Idle Time	2626:54:15
Avg Drive Load	48 %	Idle Percent	41.01 %
Avg Vehicle Speed	58.9 mph	Idle Fuel	2404.33 gal
		Parked Regen Time	4:46:22

Economy Mode 99.4 % in mode

Time	6366:56:55
Distance	222307.3 mi
Fuel	32230.13 gal
Shift Count	286460
Kickdown Time	16:22:21
Kickdown Count	0
Suggestive Shift Count	96

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 0.6 % in mode

Time	39:21:07
Distance	44.5 mi
Fuel	39.50 gal
Shift Count	1819

Launching

Launch count	11193
Coast Down Re-Engage Cnt	1702

eCoast

Total Time	0:00:02
Total Distance	0.0 mi
Cruise Time	0:00:00
Cruise Percent	0.0 %
Cruise Distance	0.0 mi
Accelerator Time	0:00:02
Accelerator Percent	100.0 %
Accelerator Distance	0.0 mi

Clutch Abuse/Clutch overtemp

Overtemp Pre-Warn Count	2
Overtemp Warn Count	7
Warning	01/06/22 09:41 (EST)
Pre-Warn Time	0:00:15

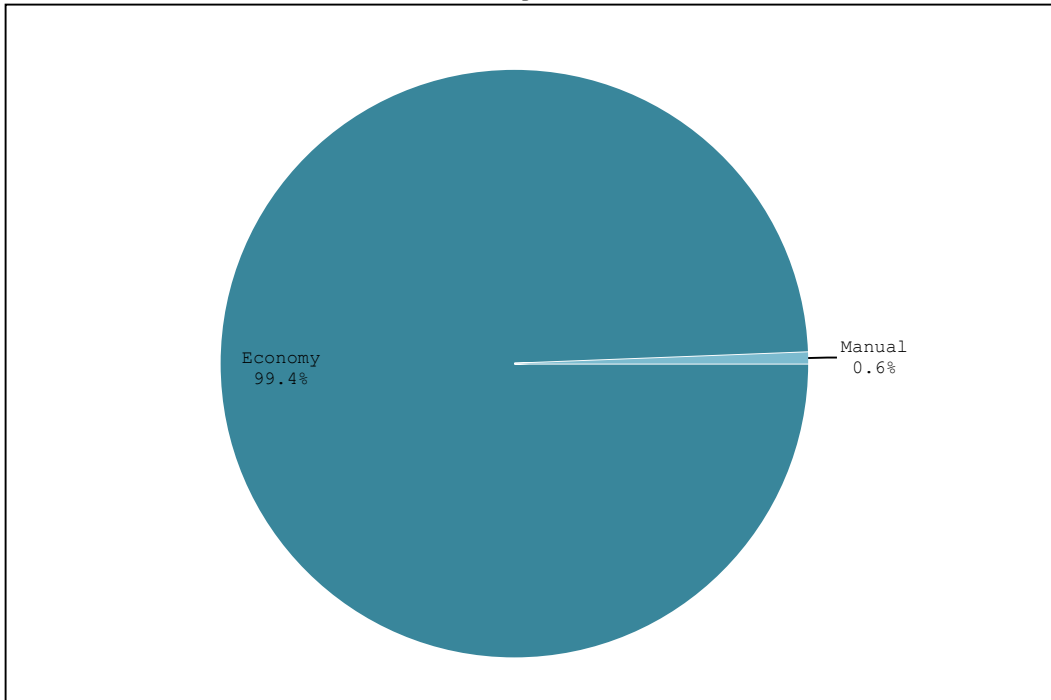
Peak Transmission Oil Temperature

Highest Oil Temperature	183.3 °F
Occurred	10/03/21 18:15 (EST)

Creep Mode

Creep Mode time	37:19:21
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Time Percentage in Each Mode



DDEC® Reports - Transmission Life-To-Date

File Name: 20230113104948825_UNKNOWN_3AKJHHRXNSMZ7498_CPC501T.XTR

Print Date: 1/13/2023 10:51 AM

Trip: - To 01/13/23 (EST)

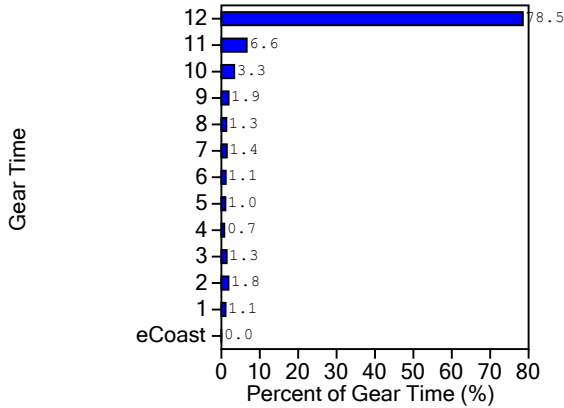
Vehicle ID:

Driver ID:

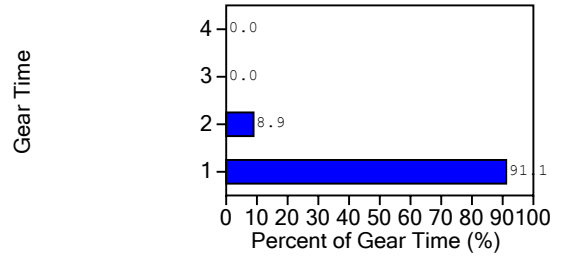
Odometer: 222351.8 mi

Engine S/N: ???????

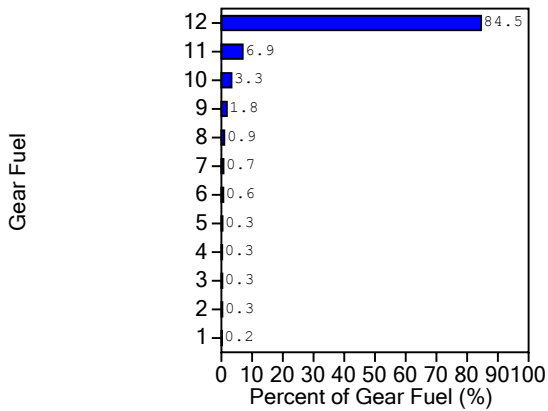
Forward Gear Time Histogram



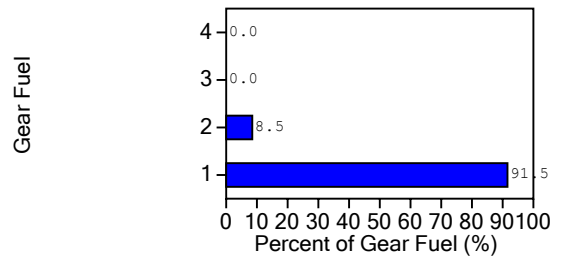
Reverse Gear Time Histogram



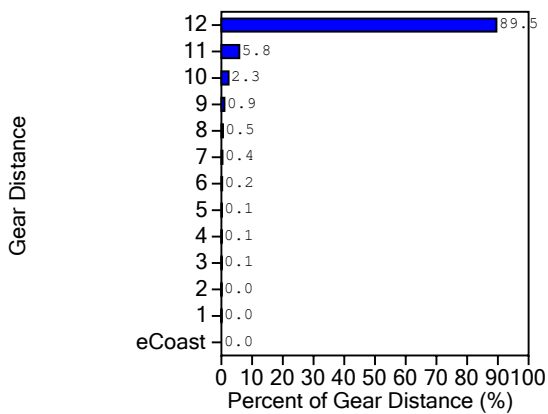
Forward Gear Fuel Histogram



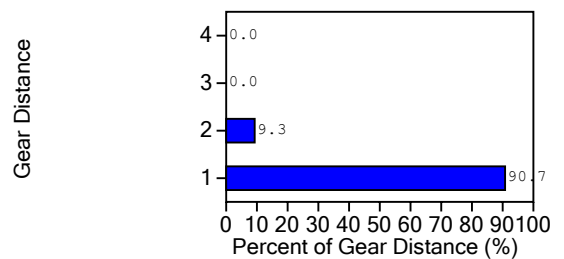
Reverse Gear Fuel Histogram



Forward Gear Distance Histogram



Reverse Gear Distance Histogram



DDEC® Reports - Transmission Oil Temperature

File Name: 20230113104948825_UNKNOWN_3AKJHHDRXNSMZ7498_CPC501T.XTR

Print Date: 1/13/2023 10:51 AM

Trip: - To 01/13/23 (EST)

Vehicle ID:

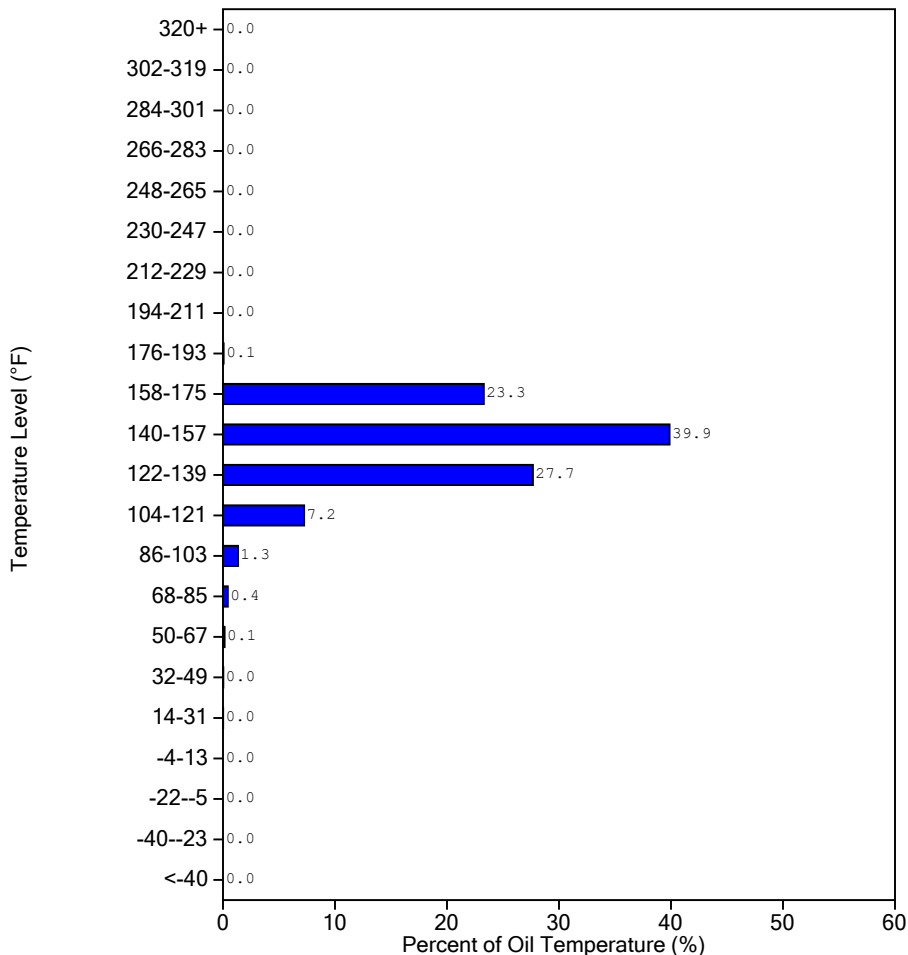
Driver ID:

Odometer: 222351.8 mi

Engine S/N: ???????

Trip Distance	222351.8 mi	Trip Time	6406:18:02
Trip Fuel	32270.21 gal	Fuel Consumption	5.04 gal/h
Fuel Economy	6.89 mpg	Idle Time	2626:54:15
Avg Drive Load	48 %	Idle Percent	41.01 %
Avg Vehicle Speed	58.9 mph	Idle Fuel	2404.33 gal
		Parked Regen Time	4:46:22

Permanent Transmission Oil Temperature



DDEC® Reports - Transmission Trip Gear

File Name: 20230113104948825_UNKNOWN_3AKJHHDRXNSMZ7498_CPC501T.XTR

Print Date: 1/13/2023 10:51 AM

Trip: - To 01/13/23 (EST)

Vehicle ID:

Driver ID:

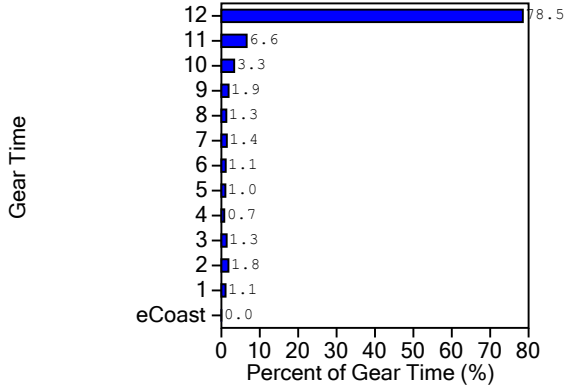
Odometer:

Engine S/N:

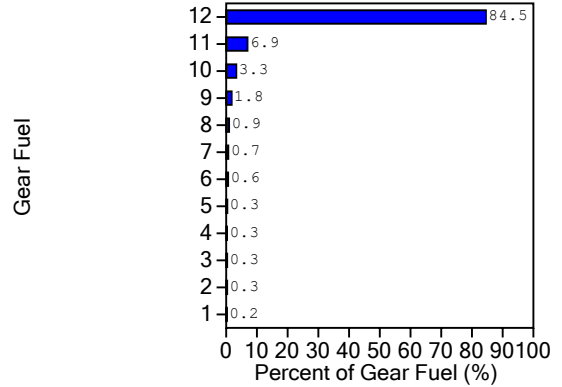
222351.8 mi

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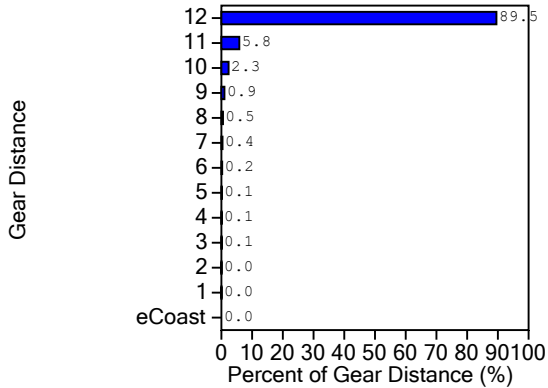
Forward Gear Time Histogram



Forward Gear Fuel Histogram



Forward Gear Distance Histogram



Transmission Forward Gear

Number of Gears	Time	Distance (mi)	Fuel (gal)
12			
eCoast	0:00:02	0.0	-
Forward Gear 1	41:32:50	41.6	55.00
Forward Gear 2	69:43:34	107.0	93.63
Forward Gear 3	51:40:16	147.2	86.25
Forward Gear 4	28:38:38	188.7	77.25
Forward Gear 5	38:45:12	302.6	97.38
Forward Gear 6	42:38:03	495.7	173.88
Forward Gear 7	53:33:22	808.1	202.00
Forward Gear 8	48:32:59	1055.1	278.75
Forward Gear 9	71:05:01	2106.6	523.75
Forward Gear 10	126:29:22	5133.3	976.50
Forward Gear 11	251:56:08	12892.9	2063.50
Forward Gear 12	3010:06:26	199025.9	25271.88
Total	3834:41:53	222304.7	29899.75

DDEC® Reports - Transmission Trip Gear

File Name: 20230113104948825_UNKNOWN_3AKJHHDRXNSMZ7498_CPC501T.XTR

Print Date: 1/13/2023 10:51 AM

Trip: - To 01/13/23 (EST)

Vehicle ID:

Driver ID:

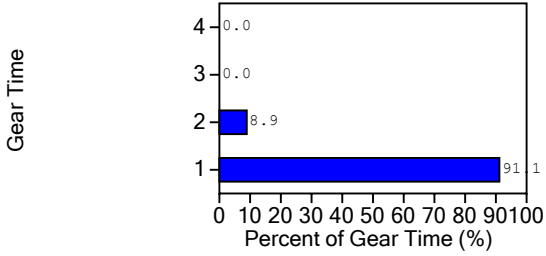
Odometer:

Engine S/N:

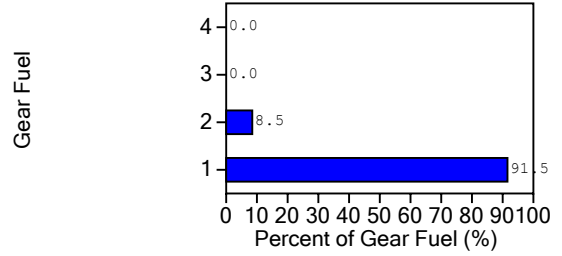
222351.8 mi

??????

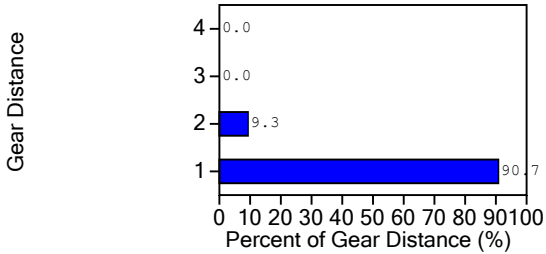
Reverse Gear Time Histogram



Reverse Gear Fuel Histogram



Reverse Gear Distance Histogram



Transmission Reverse Gear

Number of Gears 4	Time	Distance (mi)	Fuel (gal)
Reverse Gear 1	33:13:05	40.2	33.75
Reverse Gear 2	3:13:46	4.1	3.13
Reverse Gear 3	0:00:00	0.0	0.00
Reverse Gear 4	0:00:00	0.0	0.00
Total	36:26:51	44.3	36.88

DDEC® Reports - Monthly Transmission Trip Gear

File Name: 20230113104948825_UNKNOWN_3AKJHHDRXNSMZ7498_CPC501T.XTR

Print Date: 1/13/2023 10:51 AM

Trip: - To 01/13/23 (EST)

Vehicle ID:

Driver ID:

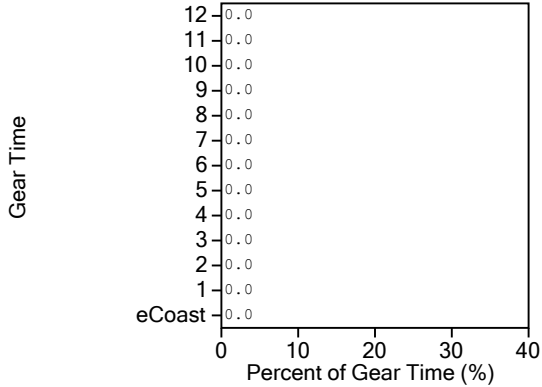
Odometer:

Engine S/N:

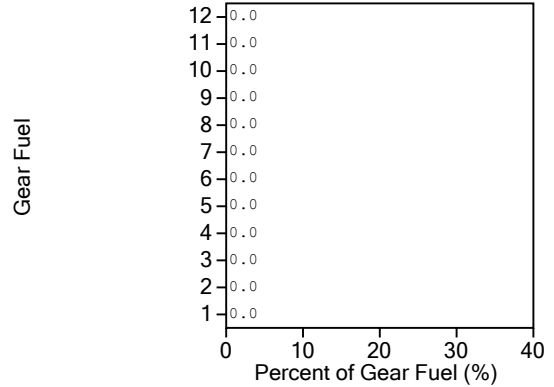
222351.8 mi

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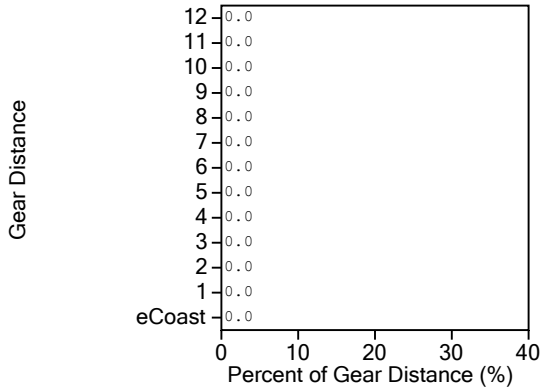
Forward Gear Time Histogram



Forward Gear Fuel Histogram



Forward Gear Distance Histogram



Transmission Forward Gear

Number of Gears 12	Time	Distance (mi)	Fuel (gal)
eCoast	0:00:00	0.0	-
Forward Gear 1	0:00:00	0.0	0.00
Forward Gear 2	0:00:00	0.0	0.00
Forward Gear 3	0:00:00	0.0	0.00
Forward Gear 4	0:00:00	0.0	0.00
Forward Gear 5	0:00:00	0.0	0.00
Forward Gear 6	0:00:00	0.0	0.00
Forward Gear 7	0:00:00	0.0	0.00
Forward Gear 8	0:00:00	0.0	0.00
Forward Gear 9	0:00:00	0.0	0.00
Forward Gear 10	0:00:00	0.0	0.00
Forward Gear 11	0:00:00	0.0	0.00
Forward Gear 12	0:00:00	0.0	0.00
Total	0:00:00	0.0	0.00

DDEC® Reports - Monthly Transmission Trip Gear

File Name: 20230113104948825_UNKNOWN_3AKJHHDRXNSMZ7498_CPC501T.XTR

Print Date: 1/13/2023 10:51 AM

Trip: - To 01/13/23 (EST)

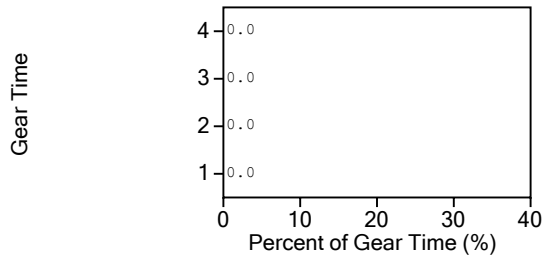
Vehicle ID:

Driver ID:

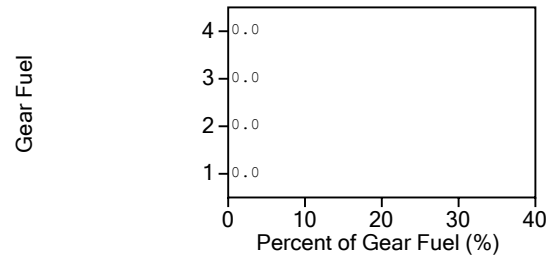
Odometer: 222351.8 mi

Engine S/N: ???????

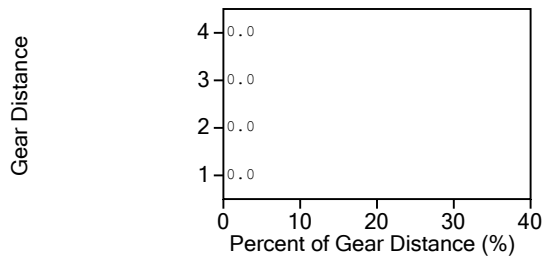
Reverse Gear Time Histogram



Reverse Gear Fuel Histogram



Reverse Gear Distance Histogram



Transmission Reverse Gear

Number of Gears 4	Time	Distance (mi)	Fuel (gal)
Reverse Gear 1	0:00:00	0.0	0.00
Reverse Gear 2	0:00:00	0.0	0.00
Reverse Gear 3	0:00:00	0.0	0.00
Reverse Gear 4	0:00:00	0.0	0.00
Total	0:00:00	0.0	0.00

DDEC® Reports - Monthly Transmission Trip Gear

File Name: 20230113104948825_UNKNOWN_3AKJHHD RXNSMZ7498_CPC501T.XTR

Print Date: 1/13/2023 10:51 AM

Trip: - To 01/13/23 (EST)

Vehicle ID:

Driver ID:

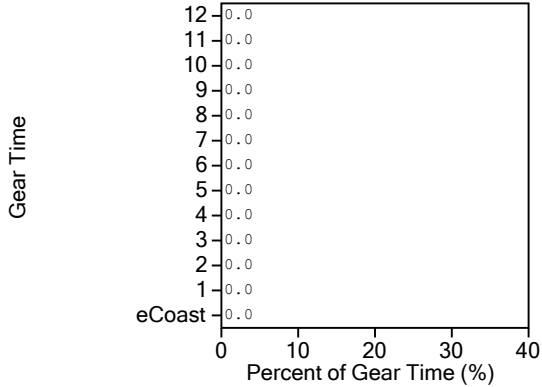
Odometer:

Engine S/N:

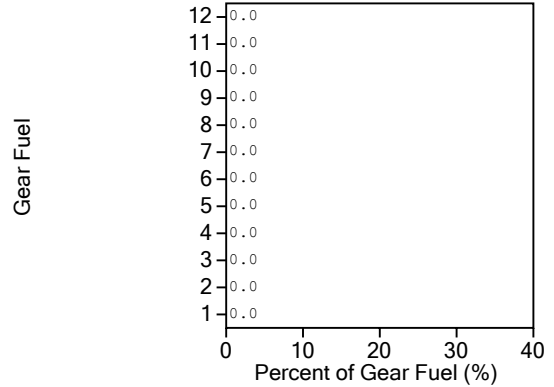
222351.8 mi

??????

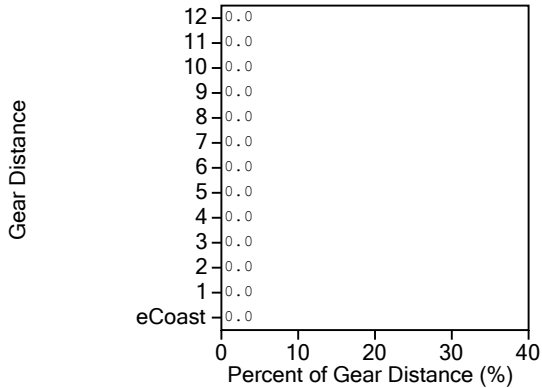
Forward Gear Time Histogram



Forward Gear Fuel Histogram



Forward Gear Distance Histogram



Transmission Forward Gear

Number of Gears 12	Time	Distance (mi)	Fuel (gal)
eCoast	0:00:00	0.0	-
Forward Gear 1	0:00:00	0.0	0.00
Forward Gear 2	0:00:00	0.0	0.00
Forward Gear 3	0:00:00	0.0	0.00
Forward Gear 4	0:00:00	0.0	0.00
Forward Gear 5	0:00:00	0.0	0.00
Forward Gear 6	0:00:00	0.0	0.00
Forward Gear 7	0:00:00	0.0	0.00
Forward Gear 8	0:00:00	0.0	0.00
Forward Gear 9	0:00:00	0.0	0.00
Forward Gear 10	0:00:00	0.0	0.00
Forward Gear 11	0:00:00	0.0	0.00
Forward Gear 12	0:00:00	0.0	0.00
Total	0:00:00	0.0	0.00

DDEC® Reports - Monthly Transmission Trip Gear

File Name: 20230113104948825_UNKNOWN_3AKJHHDRXNSMZ7498_CPC501T.XTR

Print Date: 1/13/2023 10:51 AM

Trip: - To 01/13/23 (EST)

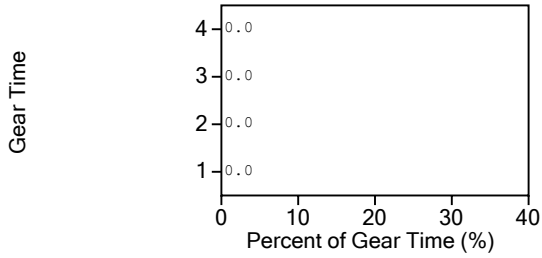
Vehicle ID:

Driver ID:

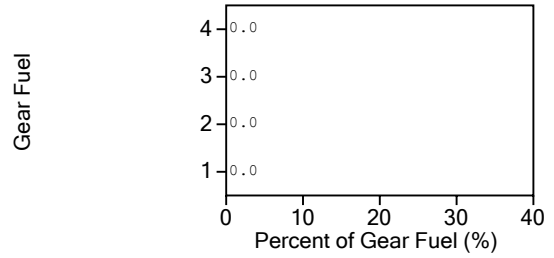
Odometer: 222351.8 mi

Engine S/N: ???????

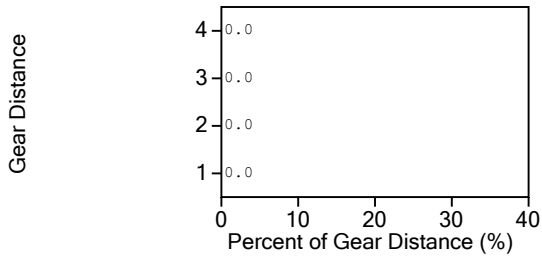
Reverse Gear Time Histogram



Reverse Gear Fuel Histogram



Reverse Gear Distance Histogram



Transmission Reverse Gear

Number of Gears 4	Time	Distance (mi)	Fuel (gal)
Reverse Gear 1	0:00:00	0.0	0.00
Reverse Gear 2	0:00:00	0.0	0.00
Reverse Gear 3	0:00:00	0.0	0.00
Reverse Gear 4	0:00:00	0.0	0.00
Total	0:00:00	0.0	0.00

DDEC® Reports - Monthly Transmission Trip Gear

File Name: 20230113104948825_UNKNOWN_3AKJHHDRXNSMZ7498_CPC501T.XTR

Print Date: 1/13/2023 10:51 AM

Trip: - To 01/13/23 (EST)

Vehicle ID:

Driver ID:

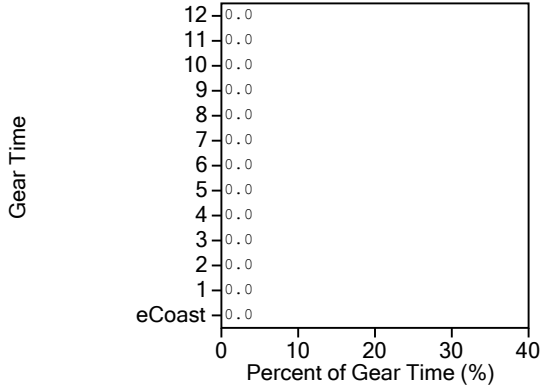
Odometer:

Engine S/N:

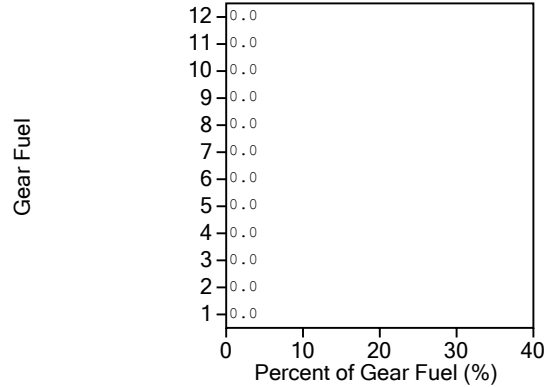
222351.8 mi

??????

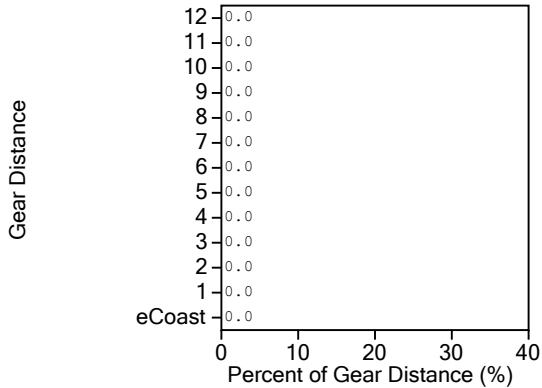
Forward Gear Time Histogram



Forward Gear Fuel Histogram



Forward Gear Distance Histogram



Transmission Forward Gear

Number of Gears 12	Time	Distance (mi)	Fuel (gal)
eCoast	0:00:00	0.0	-
Forward Gear 1	0:00:00	0.0	0.00
Forward Gear 2	0:00:00	0.0	0.00
Forward Gear 3	0:00:00	0.0	0.00
Forward Gear 4	0:00:00	0.0	0.00
Forward Gear 5	0:00:00	0.0	0.00
Forward Gear 6	0:00:00	0.0	0.00
Forward Gear 7	0:00:00	0.0	0.00
Forward Gear 8	0:00:00	0.0	0.00
Forward Gear 9	0:00:00	0.0	0.00
Forward Gear 10	0:00:00	0.0	0.00
Forward Gear 11	0:00:00	0.0	0.00
Forward Gear 12	0:00:00	0.0	0.00
Total	0:00:00	0.0	0.00

DDEC® Reports - Monthly Transmission Trip Gear

File Name: 20230113104948825_UNKNOWN_3AKJHHDRXNSMZ7498_CPC501T.XTR

Print Date: 1/13/2023 10:51 AM

Trip: - To 01/13/23 (EST)

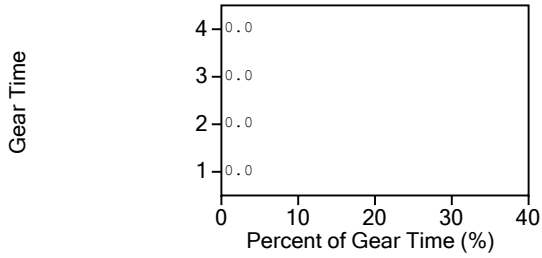
Vehicle ID:

Driver ID:

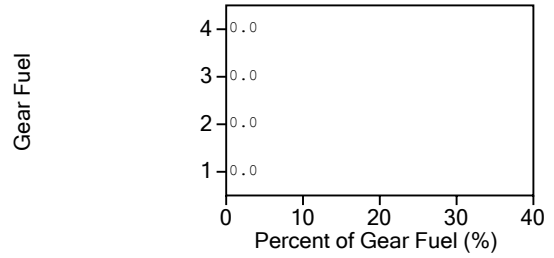
Odometer: 222351.8 mi

Engine S/N: ???????

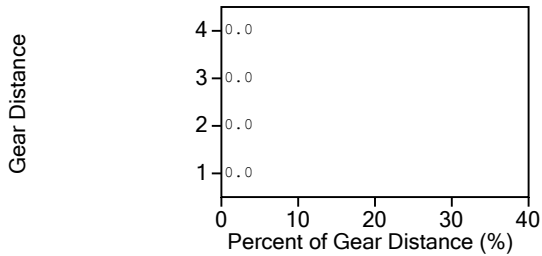
Reverse Gear Time Histogram



Reverse Gear Fuel Histogram



Reverse Gear Distance Histogram



Transmission Reverse Gear

Number of Gears 4	Time	Distance (mi)	Fuel (gal)
Reverse Gear 1	0:00:00	0.0	0.00
Reverse Gear 2	0:00:00	0.0	0.00
Reverse Gear 3	0:00:00	0.0	0.00
Reverse Gear 4	0:00:00	0.0	0.00
Total	0:00:00	0.0	0.00

DDEC® Reports - Transmission Life-To-Date Gear

File Name: 20230113104948825_UNKNOWN_3AKJHHDRXNSMZ7498_CPC501T.XTR

Print Date: 1/13/2023 10:51 AM

Trip: - To 01/13/23 (EST)

Vehicle ID:

Driver ID:

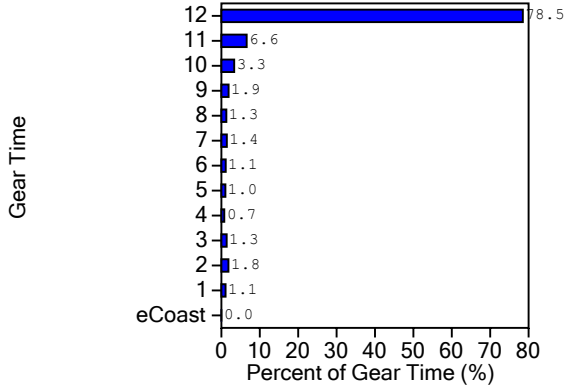
Odometer:

222351.8 mi

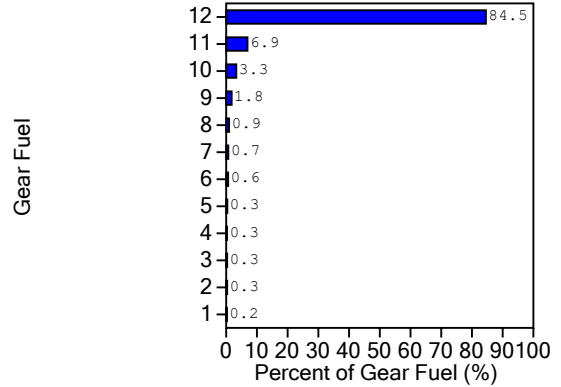
Engine S/N:

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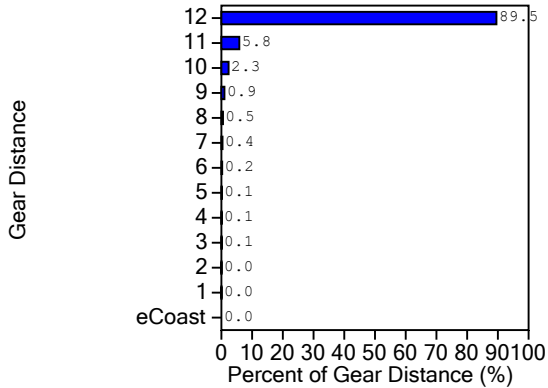
Forward Gear Time Histogram



Forward Gear Fuel Histogram



Forward Gear Distance Histogram



Transmission Forward Gear

Number of Gears	Time	Distance (mi)	Fuel (gal)
12			
eCoast	0:00:02	0.0	-
Forward Gear 1	41:32:50	41.6	55.00
Forward Gear 2	69:43:34	107.0	93.63
Forward Gear 3	51:40:16	147.2	86.25
Forward Gear 4	28:38:38	188.7	77.25
Forward Gear 5	38:45:12	302.6	97.38
Forward Gear 6	42:38:03	495.7	173.88
Forward Gear 7	53:33:22	808.1	202.00
Forward Gear 8	48:32:59	1055.1	278.75
Forward Gear 9	71:05:01	2106.6	523.75
Forward Gear 10	126:29:22	5133.3	976.50
Forward Gear 11	251:56:08	12892.9	2063.50
Forward Gear 12	3010:06:26	199025.9	25271.88
Total	3834:41:53	222304.7	29899.75

DDEC® Reports - Transmission Life-To-Date Gear

File Name: 20230113104948825_UNKNOWN_3AKJHHDRXNSMZ7498_CPC501T.XTR

Print Date: 1/13/2023 10:51 AM

Trip: - To 01/13/23 (EST)

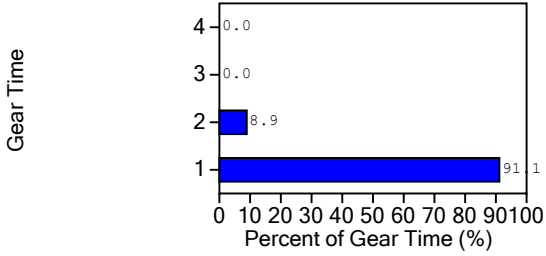
Vehicle ID:

Driver ID:

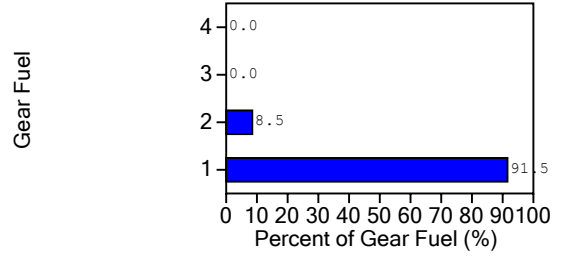
Odometer: 222351.8 mi

Engine S/N: ???????

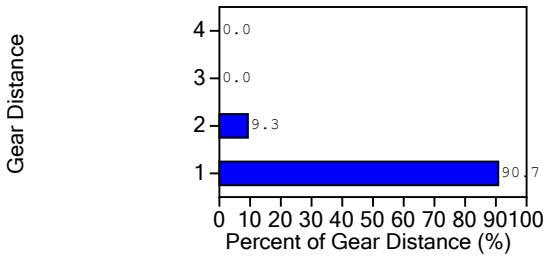
Reverse Gear Time Histogram



Reverse Gear Fuel Histogram



Reverse Gear Distance Histogram



Transmission Reverse Gear

Number of Gears 4	Time	Distance (mi)	Fuel (gal)
Reverse Gear 1	33:13:05	40.2	33.75
Reverse Gear 2	3:13:46	4.1	3.13
Reverse Gear 3	0:00:00	0.0	0.00
Reverse Gear 4	0:00:00	0.0	0.00
Total	36:26:51	44.3	36.88

DDEC® Reports - Axle Oil Temperature

File Name: 20230113104948825_UNKNOWN_3AKJHHDRXNSMZ7498_CPC501T.XTR

Print Date: 1/13/2023 10:51 AM

Trip: - To 01/13/23 (EST)

Vehicle ID:

Driver ID:

Odometer: 222351.8 mi

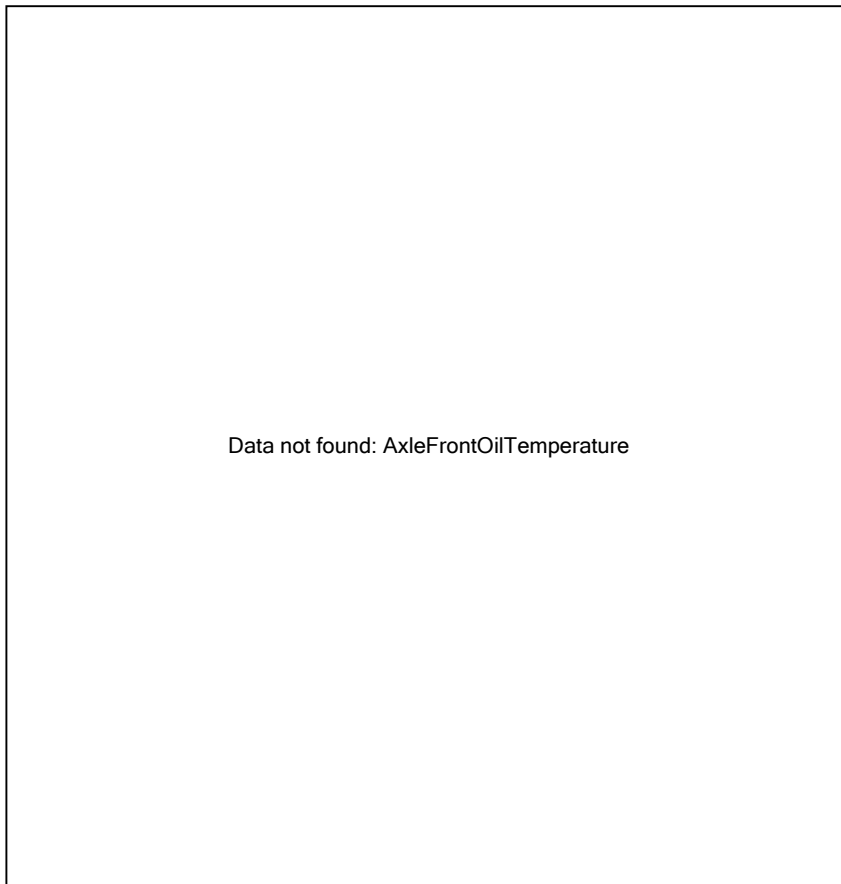
Engine S/N: ???????

Trip Distance	222351.8 mi	Trip Time	6406:18:02
Trip Fuel	32270.21 gal	Fuel Consumption	5.04 gal/h
Fuel Economy	6.89 mpg	Idle Time	2626:54:15
Avg Drive Load	48 %	Idle Percent	41.01 %
Avg Vehicle Speed	58.9 mph	Idle Fuel	2404.33 gal
		Parked Regen Time	4:46:22

Highest front axle oil temperature: -

Occured At: -

Permanent Axle Front Oil Temperature



DDEC® Reports - Axle Oil Temperature

File Name: 20230113104948825_UNKNOWN_3AKJHHDRXNSMZ7498_CPC501T.XTR

Print Date: 1/13/2023 10:51 AM

Trip: - To 01/13/23 (EST)

Vehicle ID:

Driver ID:

Odometer: 222351.8 mi

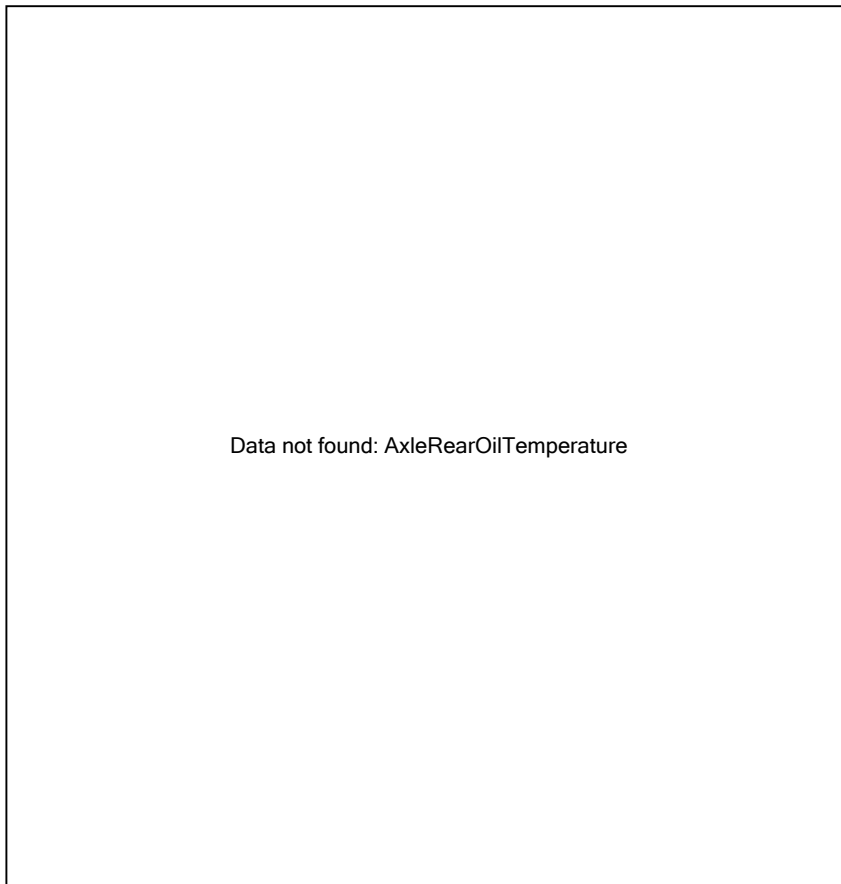
Engine S/N: ???????

Trip Distance	222351.8 mi	Trip Time	6406:18:02
Trip Fuel	32270.21 gal	Fuel Consumption	5.04 gal/h
Fuel Economy	6.89 mpg	Idle Time	2626:54:15
Avg Drive Load	48 %	Idle Percent	41.01 %
Avg Vehicle Speed	58.9 mph	Idle Fuel	2404.33 gal
		Parked Regen Time	4:46:22

Highest rear axle oil temperature: -

Occured At: -

Permanent Axle Rear Oil Temperature



Engine Totals

– **MCM21T - Motor Control Module 2.1** mcm_0x2A13

Engine Totals

Engine Run Time Since DTC Cleared	29405 min
Engine Run Time While MIL Activated	0 min
Engine Run Time for AECD #1 Altitude Compensation, Timer #1	0 s
Engine Run Time for AECD #1 Altitude Compensation, Timer #2	0 s

– **ACM301T - Aftertreatment Control Module 3** acm_0x0354

Engine Totals

Engine Run Time Since DTC Cleared	29427 min
Engine Run Time for AECD #2 ATD HC Clean up, Timer 1	18540 s
Engine Run Time for AECD #3 Cold DEF Tank, Timer 1	540 s
Engine Run Time for AECD #4 Cold Exhaust Gas, Timer 1	7536360 s

[UDS-0] CPC501T - Common Powertrain Controller 5 1 faults

Coolant Level Circuit Failed Low or Open (111/4)	previously active	
UDS Code		6F0004
First Occurrence		12/20/2022 10:57:41 AM Eastern Standard Time
Last Occurrence		12/20/2022 11:17:01 AM Eastern Standard Time
Standard_ENV Standard_ENV DTCEXtendedDataRecordNumber		1
Standard_ENV Standard_ENV Occurrence Flag		Error
Standard_ENV Standard_ENV Original Odometer Value		651545.0 miles
Standard_ENV Standard_ENV Most Recent Odometer Value		222440.9 miles
Standard_ENV Standard_ENV Frequency Counter		3
Standard_ENV Standard_ENV Operation Cycle Counter		1
Extended Snapshot data 6F0004 Extended Data Record Number		3
Extended Snapshot data 6F0004 DTC Active		697 s
Extended Snapshot data 6F0004 DTC Inactive		12 s
Extended Snapshot data 6F0004 First Occurrence Engine Hours		4294967040 s
Extended Snapshot data 6F0004 Last Occurrence Engine Hours		23065440 s

[UDS-1] MCM21T - Motor Control Module 2.1 2 faults

Oil Pressure Sensor Rationality Error Low (Information Only Code - No Action Required) (100/31)	previously confirmed, previously active	
UDS Code		64001F
First Occurrence		11/17/2022 12:06:04 PM Eastern Standard Time
Last Occurrence		12/14/2022 9:02:32 AM Eastern Standard Time
First Occurrence Engine Hours J1587		6091 hr SID 0 FMI 31

-- Extended Data Record #1 "DPRS Data Record" -- 1

Occurrence flag 1	0
First Occurrence Total distance High byte / Low byte 1	206553.7 miles
Last Occurrence Total distance High byte / Low byte 1	221317.5 miles
Frequency counter 1	11
Operating cycle counter 1	19

-- Extended Data Record #2 "Counter" --

Occurrence Counter	11
Seconds Active Counter	65535 s
DC Hours Inactive Counter (Healing)	18.5 h
lid_read_can_sra1_current_position	CAN error, SNA is active
is4_read_t_ambient_air	CAN is running
is1_read_p_dpf_in	CAN is running
is4_read_lbd_in_acm	CAN is running
is4_read_lm_fuel_tank	CAN is running
isp_read_t_doc_in	CAN is running
CAN Calendar Minute first occurrence	CAN is running
CAN Calendar Minute last occurrence	CAN is running
CAN Calendar Second first occurrence	CAN is running
CAN Calendar Second last occurrence	CAN is running
CAN Total Distance first occurrence	CAN is running
CAN Total Distance last occurrence	CAN is running
CAN Vehicle Speed first occurrence	CAN is running
CAN Vehicle Speed last occurrence	CAN is running
CAN Calendar Year first occurrence	CAN is running
CAN Calendar Year last occurrence	CAN is running
CAN Calendar Month first occurrence	CAN is running
CAN Calendar Month last occurrence	CAN is running
CAN Calendar Day first occurrence	CAN is running
CAN Calendar Day last occurrence	CAN is running
CAN Calendar Hour first occurrence	CAN is running
CAN Calendar Hour last occurrence	CAN is running
External tester present	No external tester connected

-- Extended Data Record #3 "Time Stamp" --

First Occurrence Engine Hours	6091 h
Last Occurrence Engine Hours	6384 h

-- Extended Data Record #4 "Physical Data" --

Engine Speed	612 rpm
Engine Torque	29.0 ft-lb
Engine Coolant Temperature	187 °F
Boost Pressure	17.40 psi
Calculated Load Value	2.3 %

Vehicle Speed	2.5 mph
Last_vehicle_speed	0.0 mph
Reserved for Extreme Parameter	-1
Ambient Air Temperature	58.10 °F
-- Extended Data Record #5 "Fault Code Data"	
--	
SAEJ1939_Code	64001F
OBD/EMD Code	052100
DCX Fault Path	6
DCX Fault Type	216
Flash Code	064F
-- Extended Data Record #6 "Enhanced Environmental Data" --	
Fuel Temperature	97.76 °F
Fuel Pressure (ISP_P_FUEL)	126.4729 psi
Fuel Tank Level	43.6 %
Intake Manifold Temperature (ISP_T_INTAKE)	111.03 °F
Engine Oil Temperature (ISP_T_ENG_OIL)	195.63 °F
Engine Oil Pressure (ISP_P_ENG_OIL)	24.3663 psi
Rail Pressure (RPG_P_RAIL_OUT)	5801.5 psi
fis_nop_act	-1.0000
spi_des_fm_total	29.22 mg/Hub
fis_total_fuel_act	23.17 mm ³ /st
reserved2	0
post2	Enable
post3	Disable
post4	Disable
post1	Disable
main	Enable
pilot1	Enable
pilot2	Disable
reserved	0
rpg_i_fm_u_act	3123.5 mA
rpg_ctr_plv_open	0
ehm_t_fuel_count0	0 min
ehm_t_fuel_count1	0 min
boost voltage	43.15 V
fmm_read_fsp_isc_speed_increase_data_fmm_1	22.0 rpm
fmm_read_fsp_isc_speed_increase_data_fmm_2	24.0 rpm
fmm_read_fsp_isc_speed_increase_data_fmm_3	24.5 rpm
fmm_read_fsp_isc_speed_increase_data_fmm_4	26.5 rpm
fmm_read_fsp_isc_speed_increase_data_fmm_5	27.0 rpm
fmm_read_fsp_isc_speed_increase_data_fmm_6	25.5 rpm
-- Extended Data Record #7 "Enhanced Environmental Data 2" --	
isp_p_ambient_air	14.94 psi
isp_pos_iat	Signal %
dpf_pwm_hcd	0.0 %

engine operation mode	TM1: Cold ATS operation mode
isp_pos_egr	60.8 %
eom_engine_state	Engine Idle
turbo_charger_speed	31960 rpm
rpg_p_rail_des	5801.5 psi
rpg_rp_i	1.197 gal/hr
rpg_leak_div_int	1.0
rpg_rail_pressure_deviation	0 psi
is4_p_low_fuel	95.3151 psi
-- Extended Data Record #8 "Trq Limiter Data"	
--	
trq_lim_deb_ctr	65535
trq_lim_activ_bit	Not Activated
epf_trq_lim_nox_state	s.n.a
MI requested info	MI_OFF
epf_trq_lim_fac	0 %
Calibrated Fault Reaction 1	00000000
Calibrated Fault Reaction 2	0000
Calibrated Fault Reaction 3	00
-- Extended Data Record #9 "Level 2 Environmental Data" --	
rst_safe_eom_engine_state	Init value (0)
rst_safe_ang_eng_speed	0.0 rpm
rst_safe_tbf_des_eff_trq	0.00 ft-lb
rst_safe_etc_trq_act_eff	0.00 ft-lb
rst_safe_fis_i_dur_main	0.000 ms
-- Extended Data Record #10 "Immobilizer" --	
WSP Type	Classic
FBS3 Test Counter	00C8
FBS3 Status Bitfield	00
Currently Not Used	0
Currently Not Used 1	0
WSP_EMY_F	Emergency State Disabled
WSP_X_WSP_AKT_F	state Z5 (Deactivated with Self healing)
WSP_X_ALL_SPERR_F	All X-Routines NOT active
WSP_NAFTA_ZD_F	NAFTA Market NON NAFTA assembly EOL
WSP_NON_NAFTA_ASMBL_LINE	fuelmap protection disabled
-- Extended Data Record #11 "Enhanced Environmental Data 3" --	

Block heater connected status	No
-- Extended Data Record #12 "Enhanced Environmental Data 4" --	
Air temperature intercooler outlet	71.74 °F
Wastegate position SRA1	Signal not available
Relative boost pressure difference	7.9998
Emission control deviation	0.0000
Relative NOx difference	0.00 %
Lambda NOx-sensor value	1.0000
Lambda sensor value	Signal not available
Relative lambda difference	5.0000
Exhaust temperature turbine inlet	485.83 °F
Exhaust pressure DPF inlet	0.317 psi
Gas temperature DOC inlet	562.27 °F
Intake air flow	0.09400 kg/s
Battery voltage	14.24 V
Air mass flow	0.07410 kg/s
Relative wastegate position difference	0.7999
TM actual	1
13th Data Record "Cylinder specific injector push time"	0D
Push time cylinder 1	0.111 msec
Push time cylinder 2	0.110 msec
Push time cylinder 3	0.111 msec
Push time cylinder 4	0.111 msec
Push time cylinder 5	0.112 msec
Push time cylinder 6	0.112 msec

Exhaust Manifold Pressure Sensor Bank 2 Circuit Failed Low (521141/4)	confirmed, previously active, permanent
UDS Code	B5F3E4
First Occurrence	12/20/2022 10:58:33 AM Eastern Standard Time
Last Occurrence	12/20/2022 10:58:33 AM Eastern Standard Time
First Occurrence Engine Hours	6407 hr
J1587	SID 0 FMI 4
-- Extended Data Record Number #1 "DPRS Data Record" -- 1	
Occurrence flag 1	0
First Occurrence Total distance High byte / Low byte 1	222440.9 miles
Last Occurrence Total distance High byte / Low byte 1	222440.9 miles
Frequency counter 1	1
Operating cycle counter 1	1
-- Extended Data Record #2 "Counter" --	
Occurrence Counter	1
Seconds Active Counter	637 s
DC Hours Inactive Counter (Healing)	0.0 h
lid_read_can_sra1_current_position	CAN error, SNA is active
is4_read_t_ambient_air	CAN is running
is1_read_p_dpf_in	CAN is running
is4_read_lbd_in_acm	CAN error, SNA is active
is4_read_lm_fuel_tank	CAN error, SNA is active
isp_read_t_doc_in	CAN is running
CAN Calendar Minute first occurrence	CAN is running
CAN Calendar Minute last occurrence	CAN is running
CAN Calendar Second first occurrence	CAN is running
CAN Calendar Second last occurrence	CAN is running
CAN Total Distance first occurrence	CAN is running
CAN Total Distance last occurrence	CAN is running
CAN Vehicle Speed first occurrence	CAN is running
CAN Vehicle Speed last occurrence	CAN is running
CAN Calendar Year first occurrence	CAN is running
CAN Calendar Year last occurrence	CAN is running
CAN Calendar Month first occurrence	CAN is running
CAN Calendar Month last occurrence	CAN is running

CAN Calendar Day first occurrence	CAN is running
CAN Calendar Day last occurrence	CAN is running
CAN Calendar Hour first occurrence	CAN is running
CAN Calendar Hour last occurrence	CAN is running
External tester present	No external tester connected
 -- Extended Data Record #3 "Time Stamp" --	
First Occurrence Engine Hours	6407 h
Last Occurrence Engine Hours	6407 h
 -- Extended Data Record #4 "Physical Data" --	
Engine Speed	0 rpm
Engine Torque	0.0 ft-lb
Engine Coolant Temperature	34 °F
Boost Pressure	14.50 psi
Calculated Load Value	0.0 %
Vehicle Speed	0.0 mph
Last_vehicle_speed	0.0 mph
Reserved for Extreme Parameter	-1
Ambient Air Temperature	60.80 °F
 -- Extended Data Record #5 "Fault Code Data" --	
SAEJ1939_Code	B5F3E4
OBD/EMD Code	176C00
DCX Fault Path	6
DCX Fault Type	147
Flash Code	064F
 -- Extended Data Record #6 "Enhanced Environmental Data" --	
Fuel Temperature	36.11 °F
Fuel Pressure (ISP_P_FUEL)	13.9236 psi
Fuel Tank Level	Signal %
Intake Manifold Temperature (ISP_T_INTAKE)	50.34 °F
Engine Oil Temperature (ISP_T_ENG_OIL)	30.93 °F
Engine Oil Pressure (ISP_P_ENG_OIL)	0.0000 psi
Rail Pressue (RPG_P_RAIL_OUT)	232.1 psi
fis_nop_act	-1.0000
spi_des_fm_total	0.00 mg/Hub
fis_total_fuel_act	0.00 mm^3/st
reserved2	0
post2	Disable
post3	Disable
post4	Disable
post1	Disable
main	Disable
pilot1	Disable
pilot2	Disable
reserved	0

rpg_i_fm_u_act	3047.0 mA
rpg_ctr_plv_open	0
ehm_t_fuel_count0	0 min
ehm_t_fuel_count1	0 min
boost voltage	43.25 V
fmm_read_fsp_isc_speed_increase_data_fmm_1	0.0 rpm
fmm_read_fsp_isc_speed_increase_data_fmm_2	0.0 rpm
fmm_read_fsp_isc_speed_increase_data_fmm_3	0.0 rpm
fmm_read_fsp_isc_speed_increase_data_fmm_4	0.0 rpm
fmm_read_fsp_isc_speed_increase_data_fmm_5	0.0 rpm
fmm_read_fsp_isc_speed_increase_data_fmm_6	0.0 rpm
-- Extended Data Record #7 "Enhanced Environmental Data 2" --	
isp_p_ambient_air	14.94 psi
isp_pos_iat	Signal %
dpf_pwm_hcd	0.0 %
engine operation mode	TM5: Standard operation mode (low NOX / high NOX)
isp_pos_egr	SNA %
eom_engine_state	Engine Stop
turbo_charger_speed	0 rpm
rpg_p_rail_des	0.0 psi
rpg_rp_i	0.000 gal/hr
rpg_leak_div_int	1.0
rpg_rail_pressure_deviation	-232 psi
is4_p_low_fuel	15.2079 psi
-- Extended Data Record #8 "Trq Limiter Data" --	
trq_lim_deb_ctr	65535
trq_lim_activ_bit	Not Activated
epf_trq_lim_nox_state	s.n.a
MI requested info	MI_ON
epf_trq_lim_fac	0 %
Calibrated Fault Reaction 1	00000000
Calibrated Fault Reaction 2	0000
Calibrated Fault Reaction 3	00
-- Extended Data Record #9 "Level 2 Environmental Data" --	
rst_safe_eom_engine_state	Init value (0)
rst_safe_ang_eng_speed	0.0 rpm
rst_safe_tbf_des_eff_trq	0.00 ft-lb
rst_safe_etc_trq_act_eff	0.00 ft-lb
rst_safe_fis_i_dur_main	0.000 ms
-- Extended Data Record #10 "Immobilizer" --	
WSP Type	Classic

FBS3 Test Counter	00C8
FBS3 Status Bitfield	00
Currently Not Used	0
Currently Not Used 1	0
WSP_EMY_F	Emergency State Disabled
WSP_X_WSP_AKT_F	state Z5 (Deactivated with Self healing)
WSP_X_ALL_SPERR_F	All X-Routines NOT active
WSP_NAFTA_ZD_F	NAFTA Market NON NAFTA assembly EOL
WSP_NON_NAFTA_ASMBL_LINE	fuelmap protection disabled
 -- Extended Data Record #11 "Enhanced Environmental Data 3" --	
Block heater connected status	No
 -- Extended Data Record #12 "Enhanced Environmental Data 4" --	
Air temperature intercooler outlet	72.00 °F
Wastegate position SRA1	Signal not available
Relative boost pressure difference	-1.6860
Emission control deviation	1.9900
Relative NOx difference	0.00 %
Lambda NOx-sensor value	Signal not available
Lambda sensor value	Signal not available
Relative lambda difference	0.0000
Exhaust temperature turbine inlet	957.54 °F
Exhaust pressure DPF inlet	0.000 psi
Gas temperature DOC inlet	34.70 °F
Intake air flow	0.00000 kg/s
Battery voltage	12.61 V
Air mass flow	0.00000 kg/s
Relative wastegate position difference	0.7999
TM actual	5
13th Data Record "Cylinder specific injector push time"	0D
Push time cylinder 1	0.000 msec
Push time cylinder 2	0.000 msec
Push time cylinder 3	0.000 msec
Push time cylinder 4	0.000 msec
Push time cylinder 5	0.000 msec
Push time cylinder 6	0.000 msec

[UDS-3] TCM01T - Transmission Control Module MY2013 1 faults

Range Position Sensor Circuit Failed Low (521487/4)	active
UDS Code	0FF5E4
First Occurrence	1/13/2023 10:42:11 AM Eastern Standard Time
Last Occurrence	1/13/2023 10:42:11 AM Eastern Standard Time
DTCExtendedDataRecordNumber	1
Occurrence Flag	Error
Original Odometer Value	222440.9 miles
Most Recent Odometer Value	222440.9 miles
Frequency Counter	1
Operation Cycle Counter	0
DTCExtendedDataRecord #2 "Timestamps"	2
Time Seconds Active	17 s
DTCExtendedDataRecord #3 "Physical Data"	3
Gearbox Oil Temperature	154 °F
Clutch Displacement	0.0 %
Vehicle Speed	s.n.a. mph
Gear Engaged	s.n.a.
Ambient Temperature	s.n.a. °F
Clamp30 Voltage State	ok
Clamp15 Sensored State	on
Clutch Kisspoint	44.4 %
Air Supply Pressure	103.3 psi
ECU Temperature	75 °F
Desired Gear	0
Engine Torque	0.00 ft-lb

[UDS-61] ACM301T - Aftertreatment Control Module 3 4 faults

Nox Raw sensor operation not stable - Information Only (3216/8)	previously confirmed, previously active
UDS Code	900C08
First Occurrence	11/8/2022 11:30:30 AM Eastern Standard Time
Last Occurrence	12/11/2022 4:35:59 AM Eastern Standard Time
J1587	SID 153 FMI 8
Extended Data Record #1 "DPRS Data Record"	
Occurrence flag	00

First Occurrence Total distance High byte / Low byte	201065.8 miles
Last Occurrence Total distance High byte / Low byte	218951.3 miles
Frequency counter	18
Operating cycle counter	33
Extended Data Record #2 "Counter"	
DTC Occurrence Counter	18
Seconds Active Counter	36
DC Hours Inactive Counter	71 h
CAN Torque Lim Nox State	CAN error, SNA is active
CAN Ambient Air Temperature	CAN is running
CAN Exgas Mass Flow Rate	CAN is running
CAN Torque Current	CAN is running
CAN Vehicle Speed first occurrence	CAN is running
CAN Vehicle Speed last occurrence	CAN is running
CAN Thermomanagement status	CAN is running
CAN Engine Speed	CAN is running
CAN EOM State	CAN is running
CAN Inhibit Regeneration	CAN is running
CAN Regeneration Activation Request	CAN is running
CAN Torque Actual	CAN is running
CAN Calendar Minute first occurrence	CAN is running
CAN Calendar Minute last occurrence	CAN is running
CAN Calendar Second first occurrence	CAN is running
CAN Calendar Second last occurrence	CAN is running
CAN Engine Hours first occurrence	CAN is running
CAN Engine Hours last occurrence	CAN is running
CAN Total Vehicle Distance first occurrence	CAN is running
CAN Total Vehicle Distance last occurrence	CAN is running
CAN Calendar Year first occurrence	CAN is running
CAN Calendar Year last occurrence	CAN is running
CAN Calendar Month first occurrence	CAN is running
CAN Calendar Month last occurrence	CAN is running
CAN Calendar Day first occurrence	CAN is running
CAN Calendar Day last occurrence	CAN is running
CAN Calendar Hour first occurrence	CAN is running
CAN Calendar Hour last occurrence	CAN is running
External tester present	No external tester connected in extended session
Extended Data Record #3 "Time Stamp"	
First Occurrence Engine Hours	5982 h

Last Occurrence Engine Hours	6339 h
Extended Data Record #4 "Physical Data"	
Actuator State	1579
DPF CAN condition idle	03
DPF staus	64
DPF HC flag	00
DPF Regeneration flag	00
DPF SP thermo status	Active DPF Regeneration
DPF State status	2
Reserved	255
Ext. Environment Data	65535
Ambient air temperature	46.40 °F
Vehicle Speed (first occurrence)	15.5 mph
Vehicle Speed (last occurrence)	25.5 mph
Extended Data Record #5 "Fault Code Data"	
SAEJ1939	3216
OBD/EMD Code	06EA00
DCX Fault Path	3
DCX Fault Type	6
Flash Code 1	0000
Extended Data Record #6 "Enhanced Environmental Data"	
DPF Zone	0
Engine Speed	1504.0 rpm
EOM state	Controlled
Inhibit regeneration	Inactive
NOx out sensor Content	2000 ppm
NOx raw sensor Content	275 ppm
DPF Inlet Pressure	1.465 psi
DPF Outlet Pressure	0.696 psi
DEF pressure	unexpected psi
Regeneration Activation Request	Off
ISP SCR DOS ready	01
DOC Inlet Temperature	492.80 °F
DOC Outlet Temperature	449.60 °F
DPF Outlet Temperature	420.80 °F
isp_t_scr_cat_2	422.60 °F
DEF temperature	115 °F
DEF Tank Temperature	96.80 °F
ISP actual torque	100.000 %
Battery Voltage	13.57 V
SCR_ads DOS system enable	01
SCR_ads priming request	1
SCR_sp CAN enable	01
SCR_sp components enable	01

UDC DEF quantity request	1261 g/h
SCM E2P error flag	0
isp exgas mass flow rate	1303.9 kg/h
isp trq current	1574.40 ft-lb
isp p dpf in 2m out	1.568 psi
isp p dpf out 2m out	0.780 psi
isp scr ads p DEF	147.50 psi
isp scr ads n pump	1107 rpm
isp l DEF tank	42.750 %
isp scr ads enable dosing b	1
scr_mon_cnv_rto_low_DEF_dilu	0.00 %
scr_mon_cnv_rto_hgh_DEF_dilu	100.00 %
scr_mon_nox_rto_rat_chk	1.00000
scr_mon_rto_nox_raw_rat_chk	0.00000
Extended Data Record Number 7th	
Data Record "Torque Limiter Data"	
Torque Limiter debounce counter	65535
Torque Limiter active bit	0
Torque Limiter state bit	Inactive
MI request Info	MI_OFF
Calibrated fault reaction	00000000
Calibrated fault reaction 2	0000
Calibrated fault reaction 3	00

SCR Inlet Nox Sensor Signal Not Available (3216/13)	confirmed, previously active, permanent	
UDS Code		900C0D
First Occurrence		12/20/2022 10:58:36 AM Eastern Standard Time
Last Occurrence		12/20/2022 10:58:36 AM Eastern Standard Time
J1587		SID 153 FMI 13
Extended Data Record #1 "DPRS Data Record"		
Occurence flag		00
First Occurrence Total distance High byte / Low byte		222440.9 miles
Last Occurrence Total distance High byte / Low byte		222440.9 miles
Frequency counter		1
Operating cycle counter		1
Extended Data Record #2 "Counter"		
DTC Occurence Counter		1
Seconds Active Counter		638
DC Hours Inactive Counter		0 h
CAN Torque Lim Nox State		CAN error, SNA is active
CAN Ambient Air Temperature		CAN is running
CAN Exgas Mass Flow Rate		CAN is running
CAN Torque Current		CAN is running
CAN Vehicle Speed first occurrence		CAN is running
CAN Vehicle Speed last occurrence		CAN is running
CAN Thermomanagement status		CAN is running
CAN Engine Speed		CAN is running
CAN EOM State		CAN is running
CAN Inhibit Regenration		CAN is running
CAN Regeneration Activation Request		CAN is running
CAN Torque Actual		CAN is running
CAN Calendar Minute first occurrence		CAN is running
CAN Calendar Minute last occurrence		CAN is running
CAN Calendar Second first occurrence		CAN is running
CAN Calendar Second last occurrence		CAN is running
CAN Engine Hours first occurrence		CAN is running
CAN Engine Hours last occurrence		CAN is running

CAN Total Vehicle Distance first occurrence	
CAN Total Vehicle Distance last occurrence	CAN is running
CAN Calendar Year first occurrence	CAN is running
CAN Calendar Year last occurrence	CAN is running
CAN Calendar Month first occurrence	CAN is running
CAN Calendar Month last occurrence	CAN is running
CAN Calendar Day first occurrence	CAN is running
CAN Calendar Day last occurrence	CAN is running
CAN Calendar Hour first occurrence	CAN is running
CAN Calendar Hour last occurrence	CAN is running
External tester present	No external tester connected in extended session

Extended Data Record #3 "Time Stamp"

First Occurrence Engine Hours	6407 h
Last Occurrence Engine Hours	6407 h

Extended Data Record #4 "Physical Data"

Actuator State	0
DPF CAN condition idle	03
DPF staus	64
DPF HC flag	00
DPF Regeneration flag	00
DPF SP thermo status	No TM
DPF State status	2
Reserved	255
Ext. Environment Data	65535
Ambient air temperature	60.80 °F
Vehicle Speed (first occurrence)	0.0 mph
Vehicle Speed (last occurrence)	0.0 mph

Extended Data Record #5 "Fault Code Data"

SAEJ1939	3216
OBD/EMD Code	C29D00
DCX Fault Path	0
DCX Fault Type	180
Flash Code 1	0000

Extended Data Record #6 "Enhanced Environmental Data"

DPF Zone	0
Engine Speed	0.0 rpm
EOM state	Stop
Inhibit regeneration	Inactive
NOx out sensor Content	2000 ppm
NOx raw sensor Content	Signal ppm
DPF Inlet Pressure	0.000 psi

DPF Outlet Pressure	0.000 psi
DEF pressure	15.084 psi
Regeneration Activation Request	Off
ISP SCR DOS ready	00
DOC Inlet Temperature	32.00 °F
DOC Outlet Temperature	32.00 °F
DPF Outlet Temperature	32.00 °F
isp_t_scr_cat_2	35.60 °F
DEF temperature	signal °F
DEF Tank Temperature	32.00 °F
ISP actual torque	0.000 %
Battery Voltage	12.29 V
SCR_ads DOS system enable	00
SCR_ads priming request	0
SCR_sp CAN enable	01
SCR_sp components enable	01
UDC DEF quantity request	0 g/h
SCM E2P error flag	0
isp exgas mass flow rate	0.0 kg/h
isp trq current	0.00 ft-lb
isp p dpf in 2m out	0.082 psi
isp p dpf out 2m out	0.082 psi
isp scr ads p DEF	15.11 psi
isp scr ads n pump	0 rpm
isp I DEF tank	40.760 %
isp scr ads enable dosing b	0
scr_mon_cnv_rto_low_DEF_dilu	0.00 %
scr_mon_cnv_rto_hgh_DEF_dilu	100.00 %
scr_mon_nox_rto_rat_chk	1.00000
scr_mon_rto_nox_raw_rat_chk	0.00000
<i>Extended Data Record Number 7th Data Record "Torque Limiter Data"</i>	
Torque Limiter debounce counter	65535
Torque Limiter active bit	0
Torque Limiter state bit	Inactive
MI request Info	MI_ON
Calibrated fault reaction	00000000
Calibrated fault reaction 2	0101
Calibrated fault reaction 3	00

nox raw sensor does not support self diagnosis (3216/14)	confirmed, previously active, permanent	
UDS Code		900C0E
First Occurrence		12/20/2022 10:59:03 AM Eastern Standard Time
Last Occurrence		12/20/2022 10:59:03 AM Eastern Standard Time
J1587		SID 153 FMI 14
Extended Data Record #1 "DPRS Data Record"		
Occurence flag		00
First Occurrence Total distance High byte / Low byte		222440.9 miles
Last Occurrence Total distance High byte / Low byte		222440.9 miles
Frequency counter		1
Operating cycle counter		1
Extended Data Record #2 "Counter"		
DTC Occurence Counter		1
Seconds Active Counter		638
DC Hours Inactive Counter		0 h
CAN Torque Lim Nox State		CAN error, SNA is active
CAN Ambient Air Temperature		CAN is running
CAN Exgas Mass Flow Rate		CAN is running
CAN Torque Current		CAN is running
CAN Vehicle Speed first occurrence		CAN is running
CAN Vehicle Speed last occurrence		CAN is running
CAN Thermomanagement status		CAN is running
CAN Engine Speed		CAN is running
CAN EOM State		CAN is running
CAN Inhibit Regenration		CAN is running
CAN Regeneration Activation Request		CAN is running
CAN Torque Actual		CAN is running
CAN Calendar Minute first occurrence		CAN is running
CAN Calendar Minute last occurrence		CAN is running
CAN Calendar Second first occurrence		CAN is running
CAN Calendar Second last occurrence		CAN is running
CAN Engine Hours first occurrence		CAN is running
CAN Engine Hours last occurrence		CAN is running

CAN Total Vehicle Distance first occurrence	
CAN Total Vehicle Distance last occurrence	CAN is running
CAN Calendar Year first occurrence	CAN is running
CAN Calendar Year last occurrence	CAN is running
CAN Calendar Month first occurrence	CAN is running
CAN Calendar Month last occurrence	CAN is running
CAN Calendar Day first occurrence	CAN is running
CAN Calendar Day last occurrence	CAN is running
CAN Calendar Hour first occurrence	CAN is running
CAN Calendar Hour last occurrence	CAN is running
External tester present	No external tester connected in extended session

Extended Data Record #3 "Time Stamp"

First Occurrence Engine Hours	6407 h
Last Occurrence Engine Hours	6407 h

Extended Data Record #4 "Physical Data"

Actuator State	0
DPF CAN condition idle	03
DPF staus	64
DPF HC flag	00
DPF Regeneration flag	00
DPF SP thermo status	No TM
DPF State status	2
Reserved	255
Ext. Environment Data	65535
Ambient air temperature	60.80 °F
Vehicle Speed (first occurrence)	0.0 mph
Vehicle Speed (last occurrence)	0.0 mph

Extended Data Record #5 "Fault Code Data"

SAEJ1939	3216
OBD/EMD Code	121600
DCX Fault Path	2
DCX Fault Type	91
Flash Code 1	0000

Extended Data Record #6 "Enhanced Environmental Data"

DPF Zone	0
Engine Speed	0.0 rpm
EOM state	Stop
Inhibit regeneration	Inactive
NOx out sensor Content	2000 ppm
NOx raw sensor Content	Signal ppm
DPF Inlet Pressure	0.000 psi

DPF Outlet Pressure	0.000 psi
DEF pressure	15.084 psi
Regeneration Activation Request	Off
ISP SCR DOS ready	00
DOC Inlet Temperature	32.00 °F
DOC Outlet Temperature	32.00 °F
DPF Outlet Temperature	32.00 °F
isp_t_scr_cat_2	35.60 °F
DEF temperature	signal °F
DEF Tank Temperature	32.00 °F
ISP actual torque	0.000 %
Battery Voltage	12.29 V
SCR_ads DOS system enable	00
SCR_ads priming request	0
SCR_sp CAN enable	01
SCR_sp components enable	01
UDC DEF quantity request	0 g/h
SCM E2P error flag	0
isp exgas mass flow rate	0.0 kg/h
isp trq current	0.00 ft-lb
isp p dpf in 2m out	0.063 psi
isp p dpf out 2m out	0.063 psi
isp scr ads p DEF	15.11 psi
isp scr ads n pump	0 rpm
isp I DEF tank	40.760 %
isp scr ads enable dosing b	0
scr_mon_cnv_rto_low_DEF_dilu	0.00 %
scr_mon_cnv_rto_hgh_DEF_dilu	100.00 %
scr_mon_nox_rto_rat_chk	1.00000
scr_mon_rto_nox_raw_rat_chk	0.00000
<i>Extended Data Record Number 7th Data Record "Torque Limiter Data"</i>	
Torque Limiter debounce counter	65535
Torque Limiter active bit	0
Torque Limiter state bit	Inactive
MI request Info	MI_ON
Calibrated fault reaction	00000000
Calibrated fault reaction 2	0000
Calibrated fault reaction 3	00

DEF Tank Level 3 - Low (1761/31)	previously confirmed, previously active	
UDS Code		E1061F
First Occurrence		12/31/1985 6:59:59 PM Eastern Standard Time
Last Occurrence		12/13/2022 11:58:48 PM Eastern Standard Time
J1587		SID 153 FMI 31
Extended Data Record #1 "DPRS Data Record"		
Occurence flag		00
First Occurrence Total distance High byte / Low byte		0.0 miles
Last Occurence Total distance High byte / Low byte		220969.5 miles
Frequency counter		3
Operating cycle counter		19
Extended Data Record #2 "Counter"		
DTC Occurence Counter		3
Seconds Active Counter		6478
DC Hours Inactive Counter		29 h
CAN Torque Lim Nox State		CAN is running
CAN Ambient Air Temperature		CAN error, SNA is active
CAN Exgas Mass Flow Rate		CAN error, SNA is active
CAN Torque Current		CAN error, SNA is active
CAN Vehicle Speed first occurrence		CAN error, SNA is active
CAN Vehicle Speed last occurrence		CAN is running
CAN Thermomanagement status		CAN error, SNA is active
CAN Engine Speed		CAN error, SNA is active
CAN EOM State		CAN error, SNA is active
CAN Inhibit Regenration		CAN is running
CAN Regeneration Activation Request		CAN error, SNA is active
CAN Torque Actual		CAN error, SNA is active
CAN Calendar Minute first occurrence		CAN is running
CAN Calendar Minute last occurrence		CAN is running

CAN Calendar Second first occurrence	CAN is running
CAN Calendar Second last occurrence	CAN is running
CAN Engine Hours first occurrence	CAN is running
CAN Engine Hours last occurrence	CAN is running
CAN Total Vehicle Distance first occurrence	CAN is running
CAN Total Vehicle Distance last occurrence	CAN is running
CAN Calendar Year first occurrence	CAN is running
CAN Calendar Year last occurrence	CAN is running
CAN Calendar Month first occurrence	CAN is running
CAN Calendar Month last occurrence	CAN is running
CAN Calendar Day first occurrence	CAN is running
CAN Calendar Day last occurrence	CAN is running
CAN Calendar Hour first occurrence	CAN is running
CAN Calendar Hour last occurrence	CAN is running
External tester present	No external tester connected in extended session

Extended Data Record #3 "Time Stamp"

First Occurrence Engine Hours	0 h
Last Occurrence Engine Hours	6379 h

Extended Data Record #4 "Physical Data"

Actuator State	0
DPF CAN condition idle	03
DPF staus	64
DPF HC flag	00
DPF Regeneration flag	00
DPF SP thermo status	No TM
DPF State status	0
Reserved	255
Ext. Environment Data	65535
Ambient air temperature	32.00 °F
Vehicle Speed (first occurrence)	0.0 mph
Vehicle Speed (last occurrence)	51.0 mph

Extended Data Record #5 "Fault Code Data"

SAEJ1939	1761
OBD/EMD Code	1EDF00
DCX Fault Path	0
DCX Fault Type	237
Flash Code 1	064F

Extended Data Record #6 "Enhanced Environmental Data"

DPF Zone	0
Engine Speed	0.0 rpm
EOM state	

	Value Out Of Range
Inhibit regeneration	Inactive
NOx out sensor Content	Signal ppm
NOx raw sensor Content	Signal ppm
DPF Inlet Pressure	0.000 psi
DPF Outlet Pressure	0.000 psi
DEF pressure	15.664 psi
Regeneration Activation Request	Off
ISP SCR DOS ready	00
DOC Inlet Temperature	32.00 °F
DOC Outlet Temperature	32.00 °F
DPF Outlet Temperature	32.00 °F
isp_t_scr_cat_2	32.00 °F
DEF temperature	signal °F
DEF Tank Temperature	42.80 °F
ISP actual torque	0.000 %
Battery Voltage	10.75 V
SCR_ads DOS system enable	00
SCR_ads priming request	0
SCR_sp CAN enable	00
SCR_sp components enable	00
UDC DEF quantity request	0 g/h
SCM E2P error flag	0
isp exgas mass flow rate	0.0 kg/h
isp trq current	0.00 ft-lb
isp p dpf in 2m out	-2.497 psi
isp p dpf out 2m out	-1.867 psi
isp scr ads p DEF	15.98 psi
isp scr ads n pump	65535 rpm
isp l DEF tank	10.910 %
isp scr ads enable dosing b	0
scr_mon_cnv_rto_low_DEF_dilu	0.00 %
scr_mon_cnv_rto_hgh_DEF_dilu	0.00 %
scr_mon_nox_rto_rat_chk	0.00000
scr_mon_rto_nox_raw_rat_chk	0.00000
Extended Data Record Number 7th Data Record "Torque Limiter Data"	
Torque Limiter debounce counter	65535
Torque Limiter active bit	0
Torque Limiter state bit	Inactive
MI request Info	MI_OFF
Calibrated fault reaction	00000000
Calibrated fault reaction 2	0020
Calibrated fault reaction 3	00

Common

– UDS-0 **CPC501T - Common Powertrain Controller 5** App_3107CANHS-2 on Detroit Diesel XL Driver

Device Configuration

Software Mode Running in Application

Device Information

Software Version R20.11.00.00A
 Boot Software Version 140000
 Diagnostic Version 7
 Shift Map Part Number A026 448 73 02 ZGS 001
 ECU Serial Number 2111300788
 ECU Model CPC5 Basic
 Hardware Part Number A055 446 28 02 ZGS 001
 Software Part Number A055 448 22 02 ZGS 001

Vehicle Identification

VIN 3AKJHHDRXNSMZ7498
 Odometer 222442.2 miles

– UDS-1 **MCM21T - Motor Control Module 2.1** mcm_0x2A13CANHS-2 on Detroit Diesel XL Driver

Device Configuration

Fuelmap Part Number A075 448 22 35 ZGS 002
 Fuel Map Description R_17214_2SP216S013
 Certification Number 472LA_21z_455/1650
 Software Mode Running in Application
 Rating Code A0754482235
 Application Code 06N04C2141
 Application Code Part Number A0274472435_003

Device Information

Software Version 17.2.1.4
 Diagnostic Version 19
 ECU Serial Number 0038401776
 Hardware Part Number A002 446 40 35 ZGS 001
 Software Part Number A076 448 38 35 ZGS 001

OBD

Calibration ID 4H21421D60115TCO
 Calibration Verification Number 57-4E-03-09

Vehicle Identification

VIN 3AKJHHDRXNSMZ7498
 Engine Serial Number 472912S0861453

Engine Type DD15
 App_0016CANHS-2
 on Detroit Diesel XL
 Driver

– UDS-3 **TCM01T - Transmission Control Module MY2013**

Device Configuration

Software Mode Running in Application

Device Information

Software Version NAMT201403
 Diagnostic Version 22
 ECU Serial Number 00-00-00-00-00-12-70-97-90-47
 Hardware Part Number A050 446 47 09 ZGS 002
 Software Part Number A050 448 21 09 ZGS 002

Vehicle Identification

VIN 3AKJHHDRXNSMZ7498
 Transmission Type DT12 OC
 Clutch Type HTLS
 Clutch Actuator Type CPCA SAE1

– UDS-61 **ACM301T - Aftertreatment Control Module 3** acm_0x0354CANHS-2
 on Detroit Diesel XL
 Driver

Device Configuration

Fuelmap Part Number A030 448 21 54 ZGS 001
 Certification Number
 Software Mode Running in Application
 Application Code 06N04C2131
 Application Code Part Number A0274472535_002

Device Information

Software Version 8.52.3.0
 Diagnostic Version 84
 ECU Serial Number 1002D6B2
 Hardware Part Number A001 446 17 54 ZGS 002
 Software Part Number A029 448 99 54 ZGS 001

OBD

Calibration ID 38q302N2E2100031
 Calibration Verification Number 71-9A-AF-ED
 NOX Engine Calibration ID NOx-TR0440 AT11
 NOX Engine Calibration Verification Number 6A-FF-F5-C0
 NOX Tail Pipe Calibration ID NOx-TR0420 AT11
 NOX Tail Pipe Calibration Verification Number 9F-11-AE-DA
 PM Sensor Calibration ID PMS*12*330*A100
 PM Sensor Calibration Verification Number EE-F9-D4-3C

Vehicle Identification

2022 Freightliner New Cascadia 126 Sleeper Cab 6 x 4 Truck-Tractor

VIN: 3AKJHHRXNSMZ7498

Engine: DDEC20-DD15

ESN: 47291250861453

Transmission: DT12-DT12 OC

Parameter	Value	Units
CPC501T - Common Powertrain Controller 5		
11 - Vehicle Configuration		
Water in Fuel Shutdown Enable	inactive	
23 - Accelerator Pedal		
Enable Accelerator Pedal Lock with Park Brake	Disable Park Brake Pedal Lock	
30 - Cruise Control		
Max Cruise Set Speed	68.9722	mph
Cruise Control Under Speed - Hill Ascent	4.0016	mph
Engine Brake Over Speed	5.0020	mph
Enable Cruise Auto Resume	enable automatic cruise resume	
Min Cruise Set Speed Low	9.94	mph
Enable SoftCruise	never enabled	
CC Start Function Mode	Adaptive CC	
Manual Cruise Enable	enable and react on Test Bench	
ICUC Display Cruise Usage Recommendation Pop-Up	sna	mph
43 - Legal Limits		
Legal Vehicle Road Speed Limit	90.0988	mph
44 - PasSmart		
PasSmart Speed Increment	1.8641	mph
PasSmart Reset Time	8	h
PasSmart Speed Duration	0	min
PasSmart Enable	disable	
PasSmart Min Remaining Time For Activation	30	s
45 - Progressive Shift		
PS Gear 1 Max RPM Limit	1600.0	rpm
PS Gear 2 Max RPM Limit	1600.0	rpm
PS Gear 3 Max RPM Limit	1600.0	rpm
PS Gear 4 Max RPM Limit	1600.0	rpm
PS Gear 5 Max RPM Limit	1600.0	rpm
PS Gear 6 Max RPM Limit	1700.0	rpm
PS Gear 7 Max RPM Limit	1700.0	rpm
PS Gear 8 Max RPM Limit	1700.0	rpm
PS Gear 9 Max RPM Limit	1700.0	rpm
PS Gear 10 Max RPM Limit	1900.0	rpm
PS Gear 11 Max RPM Limit	1900.0	rpm
PS Gear 12 Max RPM Limit	1900.0	rpm
PS Gear 13 Max RPM Limit	1900.0	rpm
PS Gear 14 Max RPM Limit	1900.0	rpm
PS Gear 15 Max RPM Limit	1900.0	rpm










2022 Freightliner New Cascadia 126 Sleeper Cab 6 x 4 Truck-Tractor

VIN: 3AKJHHRXNSMZ7498

Engine: DDEC20-DD15

ESN: 47291250861453

Transmission: DT12-DT12 OC

Parameter	Value	Units
PS Gear 16 Max RPM Limit	1900.0	rpm
PS Gear 17 Max RPM Limit	1900.0	rpm
PS Gear 18 Max RPM Limit	1900.0	rpm
Progressive Shift Enable	Progressive Shift enabled	
  50 - PTO		
PTO Min Engine Speed Ramp	304.0	rpm/s
Idle Adjust Speed Increment	300	rpm
Idle Adjust Speed Ramp	256	rpm/s
PTO Mode Governor type	Type 1	
PTO Accelerator Pedal Enable	disable	
Idle Adjust Service Brake Dropout	disabled	
Idle Adjust Park Brake Dropout	disabled	
  74 - Fan		
Enable Fan Activation on PTO	PTO Fan Request Disable	
PTO Fan On Delay Time	2	s
PTO Fan On Percent	100.0	%
Enable Manual Fan Override Switch	Manual Fan Request Disable	
Enable Automatic Fan with Engine Brakes	Fan Request in Engine Brake Disabled	
Enable Automatic Fan with Engine Brakes - Vehicle Speed Threshold	31.1	mph
Enable Automatic Fan with Engine Brakes - EBM Lever Stage 0	0.0	%
Enable Automatic Fan with Engine Brakes - EBM Lever Stage 1	0.0	%
Enable Automatic Fan with Engine Brakes - EBM Lever Stage 2	0.0	%
Enable Automatic Fan with Engine Brakes - EBM Lever Stage 3	0.0	%
Enable Automatic Fan with Engine Brakes - EBM Lever Stage 4	0.0	%
Enable Automatic Fan with Engine Brakes - EBM Lever Stage 5	0.0	%
  133 - Engine Speed Limits		
Engine Speed Limit at Vehicle Standstill	sna	rpm
Elevated Idle Speed	sna	rpm
Engine Speed Limit	sna	rpm
Engine Speed Limit Gradient	2.1	rpm/10ms
Minimum PTO Idle Speed	sna	rpm
  135 - Engine Brake Limits		
Engine Brake Vehicle Speed - Enable	sna	mph
Engine Brake Vehicle Speed - Disable	sna	mph
  160 - DT12 Configurations		
DT12 - Enable Manual Mode	enabled	
PTO Clutch Close Delay Time	30.0	s
DT12 - Max eCoast Vehicle Offset Speed	2.49	mph
DT12 - Fixed Start Gear Selection	1. forward gear	

















2022 Freightliner New Cascadia 126 Sleeper Cab 6 x 4 Truck-Tractor

VIN: 3AKJHHRXNSMZ7498

Engine: DDEC20-DD15

ESN: 47291250861453

Transmission: DT12-DT12 OC

Parameter	Value	Units
DT12 - Enable eCoast	disable	
Service Brk Enable Eng Brakes	disable	
DT12 - Max Gear Selection for Manual Mode	127	
Allow downshift with kickdown	not permitted	
Max Reverse Gears Allowed	2 reverse gears	
Upshift Allowed - Hill Descent	PushUp Shifts w Brakes, in Manual and Automatic	
  190 - DPF Regen Configuration		
Enable Auto Regen	enabled	
Auto Regen - Min DPF Zone	Zone 1	
Auto Regen - Max DPF Zone	Zone 5	
  227 - Powertrain Configuration Tire		
Single (1) or Dual (2) Wheel on Driven Axle	2	
  228 - Powertrain Configuration Cruise Control		
Engine Torque/Power Selection	permanent non-reduced FLC	
  232 - Powertrain Configuration PTO		
Transmission Driven PTO Count	0	
Engine Mount PTO Location	none	
PTO 1 Type	sna	
PTO 2 Type	sna	
PTO 3 Type	sna	
Engine Mounted PTO Type	sna	
  233 - Powertrain Configuration Axle Ratio		
Rear Axle Ratio 1 of 2	2.8501	
Rear Axle Ratio 2 of 2	2.8501	
Dual Speed Axle Second Ratio	sna	
  323 - Vehicle Acceleration Control		
Engine Brakes over RSL/CCSL – Downhill Driving	sna	mph
  330 - Vehicle Speed Sensor		
VSS Overspeed Threshold while Driving	99.4194	mph
Tire Revs per unit Distance	514.2	1/mile
VSS Overspeed Threshold while Coasting	99.4194	mph
Vehicle Speed Sensor	OutShaftSpeed CAN	
Vehicle Speed Anti Tamper	off	
  340 - Fleet Management		
fm_p_Conf.DefDens_u16	1.090	kg/l
Fleet Management Daily Usage Enable	1	
Fleet Management Updates	1	
Fleet Management Incident Updates	1	
Fleet Management Alert Updates	1	

2022 Freightliner New Cascadia 126 Sleeper Cab 6 x 4 Truck-Tractor

VIN: 3AKJHHRXNSMZ7498

Engine: DDEC20-DD15

ESN: 472912S0861453

Transmission: DT12-DT12 OC

Parameter	Value	Units
Fleet Management Service Interval Updates Enable	1	
Fleet Management Monthly Trip Enable	1	
  350 - J1939 Features		
Allow Predictive Shifting for Eaton	disabled	
  360 - Engine Start and Shutdown		
Shutdown Override Idle Speed Threshold	800.0	rpm
Optimized Idle Target Engine Speed	900.0	rpm
Optimized Idle Run Time Low Battery	7200	s
PTO Shutdown - Max Engine Load	73.8	ft-lb
Idle Shutdown - Min Coolant Temp	100	°F
PTO Shutdown Time	600	s
Idle Shutdown - Time	300	s
Enable Inactive Shutdown	disabled	
Oil Pressure Eng Protection Shutdown	enabled	
Low Coolant Level Shutdown	enabled	
High Coolant Temp Shutdown	enabled	
Idle Shutdown - Low Ambient Air Temp Override	39	°F
Enable Idle Shutdown	enabled with parkbrake	
Idle Shutdown - High Ambient Air Temp Override	70	°F
Enable PTO Shutdown	disabled	
Enable Idle/PTO Shutdown Override	enabled with SEO, Clutch, Brake	
Enable Automatic Idle Shutdown Override	by engine idle speed	
Shutdown Restart Enable	enabled	
Optimized Idle Enable	Enabled without Parksmart	
Optimized Idle Battery Voltage Engine Start	12.2	V
Optimized Idle Continuous Battery Mode Enable	enabled	
Optimized Idle Oil Temp Engine Start	10	°F
Optimized Idle Oil Temp Shutdown	104	°F
Optimized Idle Extended Comfort Mode	disabled	
Optimized Idle High Ambient Temp Continuous Run	89.6	°F
Optimized Idle Low Ambient Temp Continuous Run	24.8	°F
Optimized Idle Comfort Low Ambient Temp Limit	59.0	°F
Optimized Idle Comfort High Ambient Temp Limit	75.2	°F
Optimized Idle Enable Comfort Mode	Normal OI Comfort Mode	
Optimized Idle Thermostat Max Time	45	min
  361 - Engine Start and Shutdown 2		
Shutdown Override Ambient Air Restriction	inactive	
Idle/PTO Shutdown Popup Time	240	s

Parameter	Value	Units
Vehicle Road Speed Limit	68.9722	mph
Cruise V Speed may Exceed RSL	enable	
IPPC Exceed Road Speed Limit	inactive	
MCM21T - Motor Control Module 2.1		
PGR001_PropValve_1 PWM6 Configuration	Not Parameterized	
PGR001_PropValve_3 PWM14 Configuration	Fan1	
PGR004_EngineConfig Engine Serial Number	47291250861453	
PGR004_EngineConfig_1 Trans Limp Home Mode	Automatic	
PGR004_EngineConfig_1 Starter Type Control	Starter activated via MCM with modified diagnostic	
PGR004_EngineConfig_2 Application Code	06N04C2141	
PGR006_FanConfig Fan Type	Single Speed Fan - 1 output	
PGR006_FanConfig Dyn FAN Brake Enable	Disabled	
PGR007_DPFConfig DPF zone 5 Time Trigger	0	min
PGR007_DPFConfig DPF zone 5 Dist Trigger	0.0	miles
PGR007_DPFConfig DPF zone 5 Fuel Trigger	0	pound
PGR041_OBD par_cal_id_parameter_set	0115TCO	
TCM01T - Transmission Control Module MY2013		
A000 Status Creep Mode creep mode status	Available	
A001 Transmission-mounted oil pressure sensor oil pressure sensor	not set	
ACM301T - Aftertreatment Control Module 3		
PGR003_OBD par_cal_id_parameter_set	2100031	
PGR003_OBD par_ecu_id_vers	0	
PGR005_DPF PTO DPF Dosing Enable	Enabled	
PGR005_DPF Extended Idle Auto RPM Elevate	Enabled	
PGR005_DPF Purge in Progress Lamp	off	
PGR005_DPF SCR Air Valve Normally Open	no	
PGR005_DPF DPF Zone turn on regen switch	1	

Rating

– MCM21T - Motor Control Module 2.1

mcm_0x2A13

Rating

Rated Brake Power for Rating 0	455 BHP
Rated Brake Power for Rating 1	455 BHP
Rated Brake Power for Rating 2	455 BHP
Rated Engine Speed for Rating 0	1500.0 rpm
Rated Engine Speed for Rating 1	1500.0 rpm
Rated Engine Speed for Rating 2	1500.0 rpm
Maximum Engine Torque	1649.9 ft-lb
Maximum Torque Speed	1000.0 rpm
Governed Power for Rating 0	252 BHP
Governed Power for Rating 1	252 BHP
Governed Power for Rating 2	252 BHP
Governed Engine Speed	1900.0 rpm