



## Certification Summary Information Report

Test Group		PRIVT00.0SEP		Evaporative/Refueling Family		--	
Models Covered by this Certificate							
Carline Manufacturer	Division	Carline	Certification Region Code(s)	Drive System	Trans - Type	- # of Gears	Trans - Lockup
Rivian Automotive LLC	1 - Rivian	760 - R1T 20in All-Terrain Performance Dual Max	California + CAA Section 177 states	Part-time 4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	752 - R1T 22in Dual Max	California + CAA Section 177 states	Part-time 4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	551 - R1S 21in Dual Max	California + CAA Section 177 states	Part-time 4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	561 - R1S 21in Performance Dual Max	California + CAA Section 177 states	Part-time 4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	562 - R1S 22in Performance Dual Max	Federal	Part-time 4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	552 - R1S 22in Dual Max	California + CAA Section 177 states	Part-time 4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	760 - R1T 20in All-Terrain Performance Dual Max	Federal	Part-time 4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	562 - R1S 22in Performance Dual Max	California + CAA Section 177 states	Part-time 4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	762 - R1T 22in Performance Dual Max	California + CAA Section 177 states	Part-time 4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	560 - R1S 20in All-Terrain Performance Dual Max	California + CAA Section 177 states	Part-time 4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	751 - R1T 21in Dual Max	Federal	Part-time 4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	761 - R1T 21in Performance Dual Max	California + CAA Section 177 states	Part-time 4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	560 - R1S 20in All-Terrain Performance Dual Max	Federal	Part-time 4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	550 - R1S 20in All-Terrain Dual Max	Federal	Part-time 4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	761 - R1T 21in Performance Dual Max	Federal	Part-time 4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	551 - R1S 21in Dual Max	Federal	Part-time 4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	750 - R1T 20in All-Terrain Dual Max	California + CAA Section 177 states	Part-time 4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	752 - R1T 22in Dual Max	Federal	Part-time 4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	552 - R1S 22in Dual Max	Federal	Part-time 4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	751 - R1T 21in Dual Max	California + CAA Section 177 states	Part-time 4-Wheel Drive	Automatic	1	No

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Test Group	PRIVT00.0SEP			Evaporative/Refueling Family		--	
Rivian Automotive LLC	1 - Rivian	550 - R1S 20in All-Terrain Dual Max	California + CAA Section 177 states	Part-time 4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	750 - R1T 20in All-Terrain Dual Max	Federal	Part-time 4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	762 - R1T 22in Performance Dual Max	Federal	Part-time 4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	561 - R1S 21in Performance Dual Max	Federal	Part-time 4-Wheel Drive	Automatic	1	No

**Engine Description**

Hybrid Type	--	Hybrid Description	--
Engine Type	--	Mfr Engine Description	--
Engine Block Arrangement	--	Mfr Engine Block Arrangement Description	--
Camless Valvetrain Indicator	--	Oil Viscosity/Classification	
Number of Cylinders/Rotors	--	Mechanically Variable Compression Ratio Indicator	--

**After Treatment Device(s) (ATD)**

Mfr After Treatment Device (ATD) Comments	--
Direct Ozone Reduction (DOR) Device	--
Mfr Emission Control Device Comments	--

**Official Test Numbers**

Test Group Fuel	FTP	US06	SC03	Cold CO	Highway	EPA City Litmus Value	EPA City Litmus Threshold	EPA Highway Litmus Value	EPA Highway Litmus Threshold	CREE Weighting Factor
Electricity	--	--	--	--	--	--	--	--	--	--

**SFTP LEV-III Official Test Numbers**

Test Group Fuel	FTP	US06	SC03
Electricity	--	--	--

**Official Charge Depleting Test Numbers**

Test Group Fuel	UDDS	Highway
Electricity	PRIV10081872	PRIV10081874
Electricity	PRIV10081887	PRIV10081888
Electricity	PRIV10081360	PRIV10081361
Electricity	PRIV10081879	PRIV10081880

## Certification Summary Information Report

Test Group	PRIVT00.0SEP	Evaporative/Refueling Family	--
<b>Hybrid Electric Vehicle And Fuel Cell Information</b>			
Rechargeable Energy Storage System	Battery(s)	Rechargeable Energy Storage System, if Other	--
Battery Type	Lithium Ion	Number of Battery Packs	1
Total Voltage of Battery Packs	392	Battery Energy Capacity	382
Battery Specific Energy	182	Battery Charger Type	Both
Number of Capacitors	--	Capacitor Rating (In Farads)	--
Mfr Capacitor Comments	--		
Hydraulic System Description	--		
Regenerative Braking Type	Electrical Regen Brake		
Regenerative Braking Source	Both	Driver Controlled Regenerative Braking	Yes
Mfr Regenerative Braking Description	--		
Drive Motor(s)/Generator(s)	2		
Motor/Generator Type 1	AC Induction	Rated Motor/Generator Power	208
Motor/Generator Type 2	AC Induction	Rated Motor/Generator Power	208
Mfr Fuel Cell Description	--		
Fuel Cell On-Board H2 Storage Capacity (kg)	--	Usable H2 Fill Capacity (kg)	--
Mfr Hybrid Electric/ Electric Vehicle Comments	All-Purpose (Default) Drive Mode Rated Motor/Generator Power (kWatt) 248 and 248 is for Performance Dual Max. Rated Motor/Generator Power (kWatt) 208 and 208 is for Dual Max.		



### Certification Summary Information Report

<b>Test Group</b>	PRIVT00.0SEP	<b>Evaporative/Refueling Family</b>	--
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**Dynamometer Coefficients:**

Coefficient Category	Target Coefficients			Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients
	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	
<b>City/Highway/Evap</b>	57.76	0.5547	0.02054	-9.3	0.2408	0.02258	18.2
<b>Cold CO</b>	63.54	0.6102	0.02259	99.999	9.9999	9.9999	N/A
<b>US06</b>	57.76	0.5547	0.02054	-9.3	0.2408	0.02258	N/A

**Emission Control Device Comments**

Battery Electric Vehicle

**Manufacturer Test Vehicle Comments**

FDU Axle Ratio: 11.0:1 RDU Axle Ratio: 13.7:1 FDU N/V: 135.0 RDU N/V: 108.4 Cold CO set coefficients are placeholder values as only 2-cycle testing was performed.

## Certification Summary Information Report

<b>Test Group</b>	PRIVT00.0SEP	<b>Evaporative/Refueling Family</b>	--
<b>Test #</b>	<b>PRIV10081887</b>	<b>Test Procedure</b>	<b>81 - Charge Depleting UDDS</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	62 - Electricity
<b>Test Date</b>	07/15/2023	<b>Fuel</b>	Electricity
<b>Fuel Batch ID</b>	--	<b>Fuel Calibration Number</b>	--
<b>Vehicle Class</b>	MDPV (Federal Tier 2, GVWR 8501-10000)	<b>DF Type</b>	EPA Assigned
<b>Verify Test Lab ID</b>	FEV Michigan		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	4263	<b>Odometer Units</b>	M
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	Yes		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 86 (+/- 2 mph, +/- 1 sec)	<b>Road Speed Fan Usage</b>	Yes

**PHEV/EV Charge Depleting Test Information**

<b>Recharge Event Voltage</b>	240	<b>Recharge Event Energy (kiloWatt-hours)</b>	162.9
<b>Charge Depleting Range (Calculated miles)</b>	542.02	<b>Charge Depleting Range (Actual miles)</b>	542.02
<b>All Electric Range Unadjusted (miles)</b>	--	<b>Derived 5-Cycle Coefficient Model Year</b>	--
<b>Equivalent All Electric Range (miles)</b>	542.02		
<b>Number of Charge Depleting Bags/Phases Conducted</b>	4	<b>Transition Bag/Phase Number</b>	--

**Charge Depleting Bag/Phase**

Charge Depleting Bag/Phase #	Test Result/Emission Name	Unrounded Test Result
1	Carbon-Related Exhaust Emissions	0
2	Drive Trace Absolute Speed Change Rating	0.34
3	Drive Trace Energy Economy Rating	-0.08
4	Drive Trace Inertia Work Ratio Rating	0.84
5	Manufacturer Fuel Economy	25.75

**Charge Depleting Bag/Phase**

Charge Depleting Bag/Phase #	Test Result/Emission Name	Unrounded Test Result
6	Carbon-Related Exhaust Emissions	0
7	Drive Trace Absolute Speed Change Rating	-0.14
8	Drive Trace Energy Economy Rating	0.06
9	Drive Trace Inertia Work Ratio Rating	0.06
10	Manufacturer Fuel Economy	28.09

**Charge Depleting Bag/Phase**

### Certification Summary Information Report

<b>Test Group</b>	PRIVT00.0SEP	<b>Evaporative/Refueling Family</b>	--
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Charge Depleting Bag/Phase #	Test Result/Emission Name	Unrounded Test Result
11	Carbon-Related Exhaust Emissions	0
12	Drive Trace Absolute Speed Change Rating	2.08
13	Drive Trace Energy Economy Rating	1.31
14	Drive Trace Inertia Work Ratio Rating	3.16
15	Manufacturer Fuel Economy	26.05

**Charge Depleting Bag/Phase**

Charge Depleting Bag/Phase #	Test Result/Emission Name	Unrounded Test Result
16	Carbon-Related Exhaust Emissions	0
17	Drive Trace Absolute Speed Change Rating	-0.28
18	Drive Trace Energy Economy Rating	0.17
19	Drive Trace Inertia Work Ratio Rating	0.09
20	Manufacturer Fuel Economy	26.45

**Manufacturer Test Comments**

R1S - Drive Mode: All-Purpose (Default Mode) Dual Motor, Max Battery Pack, and 20" Tires. Cycle 1: 280.94 Wh/mi, Cycle 2: 264.52 Wh/mi, Cycle 3: 257.54 Wh/mi, Cycle 4: 260.53 Wh/mi. UDDS1 Energy: 2099.74 Wh MCT Energy: 141549.45 Wh

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--

## Certification Summary Information Report

Test Group	PRIVT00.0SEP	Evaporative/Refueling Family	--
<b>Test #</b>	<b>PRIV10081888</b>	<b>Test Procedure</b>	<b>84 - Charge Depleting Highway</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	62 - Electricity
<b>Test Date</b>	07/15/2023	<b>Fuel</b>	Electricity
<b>Fuel Batch ID</b>	--	<b>Fuel Calibration Number</b>	--
<b>Vehicle Class</b>	MDPV (Federal Tier 2, GVWR 8501-10000)	<b>DF Type</b>	EPA Assigned
<b>Verify Test Lab ID</b>	FEV Michigan		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	4263	<b>Odometer Units</b>	M
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	Yes		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 86 (+/- 2 mph, +/- 1 sec)	<b>Road Speed Fan Usage</b>	Yes
<b>PHEV/EV Charge Depleting Test Information</b>			
<b>Recharge Event Voltage</b>	240	<b>Recharge Event Energy (kiloWatt-hours)</b>	162.9
<b>Charge Depleting Range (Calculated miles)</b>	465.31	<b>Charge Depleting Range (Actual miles)</b>	465.31
<b>All Electric Range Unadjusted (miles)</b>	--	<b>Derived 5-Cycle Coefficient Model Year</b>	--
<b>Equivalent All Electric Range (miles)</b>	465.31		
<b>Number of Charge Depleting Bags/Phases Conducted</b>	2	<b>Transition Bag/Phase Number</b>	--
<b>Charge Depleting Bag/Phase</b>			
Charge Depleting Bag/Phase #	Test Result/Emission Name	Unrounded Test Result	
1	Carbon-Related Exhaust Emissions	0	
2	Drive Trace Absolute Speed Change Rating	2.29	
3	Drive Trace Energy Economy Rating	0.26	
4	Drive Trace Inertia Work Ratio Rating	2.87	
5	Manufacturer Fuel Economy	30.1	
<b>Charge Depleting Bag/Phase</b>			
Charge Depleting Bag/Phase #	Test Result/Emission Name	Unrounded Test Result	
6	Carbon-Related Exhaust Emissions	0	
7	Drive Trace Absolute Speed Change Rating	-0.38	
8	Drive Trace Energy Economy Rating	-0.05	
9	Drive Trace Inertia Work Ratio Rating	-0.13	
10	Manufacturer Fuel Economy	30.74	
<b>Manufacturer Test Comments</b>	R1S - Drive Mode: All-Purpose (Default Mode) Dual Motor, Max Battery Pack, and 20" Tires. Cycle 1: 307.40 Wh/mi, Cycle 2: 301.00 Wh/mi MCT Energy: 141549.45 Wh		

### Certification Summary Information Report

Test Group		PRIVT00.0SEP				Evaporative/Refueling Family				--		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--



## Certification Summary Information Report

Test Group		PRIVT00.0SEP			Evaporative/Refueling Family			--
<b>Dynamometer Coefficients:</b>								
		Target Coefficients			Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)		
City/Highway/Evap	47.5	0.2963	0.023	-0.83	0.09822	0.02438	16	
Cold CO	52.25	0.3259	0.0253	-9.17	-0.24705	0.02816	N/A	
US06	47.5	0.2963	0.023	-0.83	0.09822	0.02438	N/A	
Emission Control Device Comments	Battery Electric Vehicle							
Manufacturer Test Vehicle Comments	FDU Axle Ratio: 11.0:1 RDU Axle Ratio: 13.7:1 FDU N/V: 140.0 RDU N/V: 112.4							

## Certification Summary Information Report

<b>Test Group</b>	PRIVT00.0SEP	<b>Evaporative/Refueling Family</b>	--
<b>Test #</b>	<b>PRIV10081875</b>	<b>Test Procedure</b>	<b>2 - CVS 75 and later (w/o can. load)</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	62 - Electricity
<b>Test Date</b>	07/07/2023	<b>Fuel</b>	Electricity
<b>Fuel Batch ID</b>	--	<b>Fuel Calibration Number</b>	--
<b>Vehicle Class</b>	MDPV (Federal Tier 2, GVWR 8501-10000)	<b>DF Type</b>	EPA Assigned
<b>Verify Test Lab ID</b>	FEV Michigan		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	3900	<b>Odometer Units</b>	M
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	Yes		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 86 (+/- 2 mph, +/- 1 sec)	<b>Road Speed Fan Usage</b>	Yes

## Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.64	--
DT-EER (Drive Trace Energy Economy Rating)	-0.04	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.11	--
MFR FE (Manufacturer Fuel Economy)	24.36	138.3415435
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	0
Optional Carbon-Related Exhaust Emissions	0	0

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

## Manufacturer Test Comments

R1S - Drive Mode: All-Purpose (Default Mode) Dual Motor, Max Battery Pack, and 21" Tires. Cycle 1: 275.22 Wh/mi, Cycle 2: 220.14 Wh/mi, Cycle 3: 263.20 Wh/mi, Cycle 4: 215.86 Wh/mi.

### Certification Summary Information Report

Test Group		PRIVT00.0SEP				Evaporative/Refueling Family				--		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 0	CO	0	--	--	--	0	--	0	0	Pass
CA	150,000 miles	California ZEV	CO	0	--	--	--	0	--	0	0	Pass

## Certification Summary Information Report

<b>Test Group</b>	PRIVT00.0SEP	<b>Evaporative/Refueling Family</b>	--
<b>Test #</b>	<b>PRIV10081876</b>	<b>Test Procedure</b>	<b>3 - HWFE</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	62 - Electricity
<b>Test Date</b>	07/07/2023	<b>Fuel</b>	N/A
<b>Fuel Batch ID</b>	--	<b>Fuel Calibration Number</b>	--
<b>Vehicle Class</b>	N/A	<b>DF Type</b>	EPA Assigned
<b>Verify Test Lab ID</b>	FEV Michigan		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	3900	<b>Odometer Units</b>	M
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	Yes		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 86 (+/- 2 mph, +/- 1 sec)	<b>Road Speed Fan Usage</b>	Yes

## Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
<b>METHANE (CH4 - Methane)</b>	0	--
<b>CO (Carbon Monoxide)</b>	0	--
<b>DT-ASCR (Drive Trace Absolute Speed Change Rating)</b>	1.33	--
<b>DT-EER (Drive Trace Energy Economy Rating)</b>	0.44	--
<b>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</b>	1.73	--
<b>MFR FE (Manufacturer Fuel Economy)</b>	27.75	121.4414414
<b>NOX (Nitrogen Oxide)</b>	0	--
<b>N2O (Nitrous Oxide)</b>	0	--
<b>HC-NM (Non-methane Hydrocarbon)</b>	0	--
<b>NMOG (Non-methane organic gases)</b>	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
<b>Carbon-Related Exhaust Emissions</b>	0	0
<b>Optional Carbon-Related Exhaust Emissions</b>	0	0

Test Result Name	Unrounded Test Result	Verify Calculated CO2
<b>Carbon dioxide</b>	0	--

## Manufacturer Test Comments

R1S - Drive Mode: All-Purpose (Default Mode) Dual Motor, Max Battery Pack, and 21" Tires. Cycle 1: 277.46 Wh/mi

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<b>Test Group</b>	PRIVT00.0SEP	<b>Evaporative/Refueling Family</b>	--
<b>Test #</b>	<b>PRIV10081877</b>	<b>Test Procedure</b>	<b>90 - US06</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	62 - Electricity
<b>Test Date</b>	07/07/2023	<b>Fuel</b>	N/A
<b>Fuel Batch ID</b>	--	<b>Fuel Calibration Number</b>	--
<b>Vehicle Class</b>	N/A	<b>DF Type</b>	EPA Assigned
<b>Verify Test Lab ID</b>	FEV Michigan		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	3933	<b>Odometer Units</b>	M
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	Yes		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 86 (+/- 2 mph, +/- 1 sec)	<b>Road Speed Fan Usage</b>	Yes

## Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-1.17	--
DT-EER (Drive Trace Energy Economy Rating)	-1.14	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-2.32	--
MFR FE (Manufacturer Fuel Economy)	37.4	90.1069519
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	--
Optional Carbon-Related Exhaust Emissions	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

## Manufacturer Test Comments

R1S - Drive Mode: All-Purpose (Default Mode) Dual Motor, Max Battery Pack, and 21" Tires. Cycle 1 (City1): 346.20 Wh/mi, Cycle 2 (HWY): 376.40 Wh/mi, Cycle 3 (City2): 416.06 Wh/mi

## Certification Summary Information Report

<b>Test Group</b>	PRIVT00.0SEP	<b>Evaporative/Refueling Family</b>	--
<b>Test #</b>	<b>PRIV10081878</b>	<b>Test Procedure</b>	<b>95 - SC03</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	62 - Electricity
<b>Test Date</b>	07/07/2023	<b>Fuel</b>	N/A
<b>Fuel Batch ID</b>	--	<b>Fuel Calibration Number</b>	--
<b>Vehicle Class</b>	N/A	<b>DF Type</b>	EPA Assigned
<b>Verify Test Lab ID</b>	FEV Michigan		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	3933	<b>Odometer Units</b>	M
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	Yes		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 86 (+/- 2 mph, +/- 1 sec)	<b>Road Speed Fan Usage</b>	Yes

## Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.33	--
DT-EER (Drive Trace Energy Economy Rating)	-0.03	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.3	--
MFR FE (Manufacturer Fuel Economy)	31.67	106.4098516
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	--
Optional Carbon-Related Exhaust Emissions	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

## Manufacturer Test Comments

R1S - Drive Mode: All-Purpose (Default Mode) Dual Motor, Max Battery Pack, and 21" Tires. Cycle 1: 316.65 Wh/mi

## Certification Summary Information Report

<b>Test Group</b>	PRIVT00.0SEP	<b>Evaporative/Refueling Family</b>	--
<b>Test #</b>	<b>PRIV10081872</b>	<b>Test Procedure</b>	<b>81 - Charge Depleting UDDS</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	62 - Electricity
<b>Test Date</b>	06/29/2023	<b>Fuel</b>	Electricity
<b>Fuel Batch ID</b>	--	<b>Fuel Calibration Number</b>	--
<b>Vehicle Class</b>	MDPV (Federal Tier 2, GVWR 8501-10000)	<b>DF Type</b>	EPA Assigned
<b>Verify Test Lab ID</b>	FEV Michigan		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	3359	<b>Odometer Units</b>	M
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	Yes		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 86 (+/- 2 mph, +/- 1 sec)	<b>Road Speed Fan Usage</b>	Yes

**PHEV/EV Charge Depleting Test Information**

<b>Recharge Event Voltage</b>	240	<b>Recharge Event Energy (kiloWatt-hours)</b>	162.6
<b>Charge Depleting Range (Calculated miles)</b>	600.75	<b>Charge Depleting Range (Actual miles)</b>	600.75
<b>All Electric Range Unadjusted (miles)</b>	--	<b>Derived 5-Cycle Coefficient Model Year</b>	--
<b>Equivalent All Electric Range (miles)</b>	600.75		
<b>Number of Charge Depleting Bags/Phases Conducted</b>	4	<b>Transition Bag/Phase Number</b>	--

**Charge Depleting Bag/Phase**

Charge Depleting Bag/Phase #	Test Result/Emission Name	Unrounded Test Result
1	Carbon-Related Exhaust Emissions	0
2	Drive Trace Absolute Speed Change Rating	1.5
3	Drive Trace Energy Economy Rating	1.1
4	Drive Trace Inertia Work Ratio Rating	2.31
5	Manufacturer Fuel Economy	25.07

**Charge Depleting Bag/Phase**

Charge Depleting Bag/Phase #	Test Result/Emission Name	Unrounded Test Result
6	Carbon-Related Exhaust Emissions	0
7	Drive Trace Absolute Speed Change Rating	-0.12
8	Drive Trace Energy Economy Rating	-0.48
9	Drive Trace Inertia Work Ratio Rating	0.42
10	Manufacturer Fuel Economy	23.24

**Charge Depleting Bag/Phase**

### Certification Summary Information Report

<b>Test Group</b>	PRIVT00.0SEP	<b>Evaporative/Refueling Family</b>	--
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Charge Depleting Bag/Phase #	Test Result/Emission Name	Unrounded Test Result
11	Carbon-Related Exhaust Emissions	0
12	Drive Trace Absolute Speed Change Rating	1.6
13	Drive Trace Energy Economy Rating	1.41
14	Drive Trace Inertia Work Ratio Rating	2.69
15	Manufacturer Fuel Economy	24.1

**Charge Depleting Bag/Phase**

Charge Depleting Bag/Phase #	Test Result/Emission Name	Unrounded Test Result
16	Carbon-Related Exhaust Emissions	0
17	Drive Trace Absolute Speed Change Rating	0.34
18	Drive Trace Energy Economy Rating	-0.17
19	Drive Trace Inertia Work Ratio Rating	0.62
20	Manufacturer Fuel Economy	23.37

**Manufacturer Test Comments**

R1S - Drive Mode: All-Purpose (Default Mode) Dual Motor, Max Battery Pack, and 21" Tires. Cycle 1: 250.66 Wh/mi, Cycle 2: 241.00 Wh/mi, Cycle 3: 232.42 Wh/mi, Cycle 4: 233.72 Wh/mi. UDDS1 Energy: 1865.81 Wh MCT Energy: 141722.46 Wh

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--

## Certification Summary Information Report

Test Group	PRIVT00.0SEP	Evaporative/Refueling Family	--
<b>Test #</b>	<b>PRIV10081874</b>	<b>Test Procedure</b>	<b>84 - Charge Depleting Highway</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	62 - Electricity
<b>Test Date</b>	06/29/2023	<b>Fuel</b>	Electricity
<b>Fuel Batch ID</b>	--	<b>Fuel Calibration Number</b>	--
<b>Vehicle Class</b>	MDPV (Federal Tier 2, GVWR 8501-10000)	<b>DF Type</b>	EPA Assigned
<b>Verify Test Lab ID</b>	FEV Michigan		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	3359	<b>Odometer Units</b>	M
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	Yes		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 86 (+/- 2 mph, +/- 1 sec)	<b>Road Speed Fan Usage</b>	Yes
<b>PHEV/EV Charge Depleting Test Information</b>			
<b>Recharge Event Voltage</b>	240	<b>Recharge Event Energy (kiloWatt-hours)</b>	162.6
<b>Charge Depleting Range (Calculated miles)</b>	510.25	<b>Charge Depleting Range (Actual miles)</b>	510.25
<b>All Electric Range Unadjusted (miles)</b>	--	<b>Derived 5-Cycle Coefficient Model Year</b>	--
<b>Equivalent All Electric Range (miles)</b>	510.25		
<b>Number of Charge Depleting Bags/Phases Conducted</b>	2	<b>Transition Bag/Phase Number</b>	--
<b>Charge Depleting Bag/Phase</b>			
Charge Depleting Bag/Phase #	Test Result/Emission Name	Unrounded Test Result	
1	Carbon-Related Exhaust Emissions	0	
2	Drive Trace Absolute Speed Change Rating	3.14	
3	Drive Trace Energy Economy Rating	0.43	
4	Drive Trace Inertia Work Ratio Rating	3.76	
5	Manufacturer Fuel Economy	28.06	
<b>Charge Depleting Bag/Phase</b>			
Charge Depleting Bag/Phase #	Test Result/Emission Name	Unrounded Test Result	
6	Carbon-Related Exhaust Emissions	0	
7	Drive Trace Absolute Speed Change Rating	0.26	
8	Drive Trace Energy Economy Rating	-0.27	
9	Drive Trace Inertia Work Ratio Rating	0.36	
10	Manufacturer Fuel Economy	27.49	
<b>Manufacturer Test Comments</b>	R1S - Drive Mode: All-Purpose (Default Mode) Dual Motor, Max Battery Pack, and 21" Tires. Cycle 1: 280.61 Wh/mi, Cycle 2: 274.89 Wh/mi MCT Energy: 141722.46 Wh		

### Certification Summary Information Report

Test Group		PRIVT00.0SEP					Evaporative/Refueling Family				--	
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--

## Certification Summary Information Report

<b>Test Group</b>	PRIVT00.0SEP	<b>Evaporative/Refueling Family</b>	--
<b>Test #</b>	<b>PRIV10081881</b>	<b>Test Procedure</b>	<b>86 - Charge Depleting 20 Degree F FTP</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	62 - Electricity
<b>Test Date</b>	07/10/2023	<b>Fuel</b>	N/A
<b>Fuel Batch ID</b>	--	<b>Fuel Calibration Number</b>	--
<b>Vehicle Class</b>	N/A	<b>DF Type</b>	EPA Assigned
<b>Verify Test Lab ID</b>	FEV Michigan		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	3949	<b>Odometer Units</b>	M
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	Yes		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 86 (+/- 2 mph, +/- 1 sec)	<b>Road Speed Fan Usage</b>	Yes

**PHEV/EV Charge Depleting Test Information**

<b>Recharge Event Voltage</b>	240	<b>Recharge Event Energy (kiloWatt-hours)</b>	162.6
<b>Charge Depleting Range (Calculated miles)</b>	111.99	<b>Charge Depleting Range (Actual miles)</b>	111.99
<b>All Electric Range Unadjusted (miles)</b>	--	<b>Derived 5-Cycle Coefficient Model Year</b>	--
<b>Equivalent All Electric Range (miles)</b>	111.99		
<b>Number of Charge Depleting Bags/Phases Conducted</b>	4	<b>Transition Bag/Phase Number</b>	--

**Charge Depleting Bag/Phase**

Charge Depleting Bag/Phase #	Test Result/Emission Name	Unrounded Test Result
1	Carbon-Related Exhaust Emissions	0
2	Drive Trace Absolute Speed Change Rating	0.91
3	Drive Trace Energy Economy Rating	-0.23
4	Drive Trace Inertia Work Ratio Rating	1.08
5	Manufacturer Fuel Economy	44.92

**Charge Depleting Bag/Phase**

Charge Depleting Bag/Phase #	Test Result/Emission Name	Unrounded Test Result
6	Carbon-Related Exhaust Emissions	0
7	Drive Trace Absolute Speed Change Rating	0.31
8	Drive Trace Energy Economy Rating	-1
9	Drive Trace Inertia Work Ratio Rating	0.3
10	Manufacturer Fuel Economy	60.25

**Charge Depleting Bag/Phase**





## Certification Summary Information Report

Test Group		PRIVT00.0SEP			Evaporative/Refueling Family			--
<b>Dynamometer Coefficients:</b>								
		Target Coefficients			Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)		
City/Highway/Evap	45.4	0.4034	0.02074	-5.49	0.1784	0.02252	15.7	
Cold CO	49.94	0.4437	0.02281	-8.17	-0.1651	0.02606	N/A	
US06	45.4	0.4034	0.02074	-5.49	0.1784	0.02252	N/A	
Emission Control Device Comments	Battery Electric Vehicle							
Manufacturer Test Vehicle Comments	FDU Axle Ratio: 11.0:1 RDU Axle Ratio: 13.7:1 FDU N/V: 140.0 RDU N/V: 112.4							

## Certification Summary Information Report

<b>Test Group</b>	PRIVT00.0SEP	<b>Evaporative/Refueling Family</b>	--
<b>Test #</b>	<b>PRIV10081868</b>	<b>Test Procedure</b>	<b>2 - CVS 75 and later (w/o can. load)</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	62 - Electricity
<b>Test Date</b>	06/05/2023	<b>Fuel</b>	Electricity
<b>Fuel Batch ID</b>	--	<b>Fuel Calibration Number</b>	--
<b>Vehicle Class</b>	MDPV (Federal Tier 2, GVWR 8501-10000)	<b>DF Type</b>	EPA Assigned
<b>Verify Test Lab ID</b>	FEV Michigan		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	3614	<b>Odometer Units</b>	M
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	Yes		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 86 (+/- 2 mph, +/- 1 sec)	<b>Road Speed Fan Usage</b>	Yes

## Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.86	--
DT-EER (Drive Trace Energy Economy Rating)	0.25	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	1.62	--
MFR FE (Manufacturer Fuel Economy)	23.82	141.4777498
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	0
Optional Carbon-Related Exhaust Emissions	0	0

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

## Manufacturer Test Comments

R1T - Drive Mode: All-Purpose (Default Mode) Dual Motor, Max Battery Pack, and 21" Tires. Cycle 1: 266.67 Wh/mi, Cycle 2: 217.41 Wh/mi, Cycle 3: 258.31 Wh/mi, Cycle 4: 213.43 Wh/mi.

### Certification Summary Information Report

Test Group		PRIVT00.0SEP				Evaporative/Refueling Family				--		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 0	CO	0	--	--	--	0	--	0	0	Pass
CA	150,000 miles	California ZEV	CO	0	--	--	--	0	--	0	0	Pass

## Certification Summary Information Report

<b>Test Group</b>	PRIVT00.0SEP	<b>Evaporative/Refueling Family</b>	--
<b>Test #</b>	<b>PRIV10081869</b>	<b>Test Procedure</b>	<b>3 - HWFE</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	62 - Electricity
<b>Test Date</b>	06/05/2023	<b>Fuel</b>	N/A
<b>Fuel Batch ID</b>	--	<b>Fuel Calibration Number</b>	--
<b>Vehicle Class</b>	N/A	<b>DF Type</b>	EPA Assigned
<b>Verify Test Lab ID</b>	FEV Michigan		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	3614	<b>Odometer Units</b>	M
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	Yes		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 86 (+/- 2 mph, +/- 1 sec)	<b>Road Speed Fan Usage</b>	Yes

## Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	4.11	--
DT-EER (Drive Trace Energy Economy Rating)	0.7	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	4.96	--
MFR FE (Manufacturer Fuel Economy)	27.22	123.806025
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	0
Optional Carbon-Related Exhaust Emissions	0	0

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

## Manufacturer Test Comments

R1T - Drive Mode: All-Purpose (Default Mode) Dual Motor, Max Battery Pack, and 21" Tires. Cycle 1: 272.20 Wh/mi

### Certification Summary Information Report

<b>Test Group</b>	PRIVT00.0SEP	<b>Evaporative/Refueling Family</b>	--
<b>Test #</b>	<b>PRIV10081870</b>	<b>Test Procedure</b>	<b>90 - US06</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	62 - Electricity
<b>Test Date</b>	06/06/2023	<b>Fuel</b>	N/A
<b>Fuel Batch ID</b>	--	<b>Fuel Calibration Number</b>	--
<b>Vehicle Class</b>	N/A	<b>DF Type</b>	EPA Assigned
<b>Verify Test Lab ID</b>	FEV Michigan		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	3639	<b>Odometer Units</b>	M
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	Yes		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 86 (+/- 2 mph, +/- 1 sec)	<b>Road Speed Fan Usage</b>	Yes

**Test Results**

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
<b>METHANE (CH4 - Methane)</b>	0	--
<b>CO (Carbon Monoxide)</b>	0	--
<b>DT-ASCR (Drive Trace Absolute Speed Change Rating)</b>	0.54	--
<b>DT-EER (Drive Trace Energy Economy Rating)</b>	-0.35	--
<b>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</b>	0.63	--
<b>MFR FE (Manufacturer Fuel Economy)</b>	36.34	92.7352779
<b>NOX (Nitrogen Oxide)</b>	0	--
<b>N2O (Nitrous Oxide)</b>	0	--
<b>HC-NM (Non-methane Hydrocarbon)</b>	0	--
<b>NMOG (Non-methane organic gases)</b>	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
<b>Carbon-Related Exhaust Emissions</b>	0	--
<b>Optional Carbon-Related Exhaust Emissions</b>	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
<b>Carbon dioxide</b>	0	--

**Manufacturer Test Comments**

R1T - Drive Mode: All-Purpose (Default Mode) Dual Motor, Max Battery Pack, and 21" Tires. Cycle 1 (City1): 339.12 Wh/mi, Cycle 2 (HWY): 364.61 Wh/mi, Cycle 3 (City2): 410.97 Wh/mi

## Certification Summary Information Report

<b>Test Group</b>	PRIVT00.0SEP	<b>Evaporative/Refueling Family</b>	--
<b>Test #</b>	<b>PRIV10081871</b>	<b>Test Procedure</b>	<b>95 - SC03</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	62 - Electricity
<b>Test Date</b>	06/06/2023	<b>Fuel</b>	N/A
<b>Fuel Batch ID</b>	--	<b>Fuel Calibration Number</b>	--
<b>Vehicle Class</b>	N/A	<b>DF Type</b>	EPA Assigned
<b>Verify Test Lab ID</b>	FEV Michigan		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	3655	<b>Odometer Units</b>	M
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	Yes		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 86 (+/- 2 mph, +/- 1 sec)	<b>Road Speed Fan Usage</b>	Yes

## Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
<b>METHANE (CH4 - Methane)</b>	0	--
<b>CO (Carbon Monoxide)</b>	0	--
<b>DT-ASCR (Drive Trace Absolute Speed Change Rating)</b>	-1.25	--
<b>DT-EER (Drive Trace Energy Economy Rating)</b>	-1.47	--
<b>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</b>	-1.31	--
<b>MFR FE (Manufacturer Fuel Economy)</b>	28.72	117.3398329
<b>NOX (Nitrogen Oxide)</b>	0	--
<b>N2O (Nitrous Oxide)</b>	0	--
<b>HC-NM (Non-methane Hydrocarbon)</b>	0	--
<b>NMOG (Non-methane organic gases)</b>	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
<b>Carbon-Related Exhaust Emissions</b>	0	--
<b>Optional Carbon-Related Exhaust Emissions</b>	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
<b>Carbon dioxide</b>	0	--

## Manufacturer Test Comments

R1T - Drive Mode: All-Purpose (Default Mode) Dual Motor, Max Battery Pack, and 21" Tires. Cycle 1: 287.19 Wh/mi

## Certification Summary Information Report

Test Group	PRIVT00.0SEP	Evaporative/Refueling Family	--
<b>Test #</b>	<b>PRIV10081360</b>	<b>Test Procedure</b>	<b>81 - Charge Depleting UDDS</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	62 - Electricity
<b>Test Date</b>	06/02/2023	<b>Fuel</b>	Electricity
<b>Fuel Batch ID</b>	--	<b>Fuel Calibration Number</b>	--
<b>Vehicle Class</b>	MDPV (Federal Tier 2, GVWR 8501-10000)	<b>DF Type</b>	EPA Assigned
<b>Verify Test Lab ID</b>	FEV Michigan		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	3094	<b>Odometer Units</b>	M
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	Yes		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 86 (+/- 2 mph, +/- 1 sec)	<b>Road Speed Fan Usage</b>	Yes
<b>PHEV/EV Charge Depleting Test Information</b>			
<b>Recharge Event Voltage</b>	240	<b>Recharge Event Energy (kiloWatt-hours)</b>	163
<b>Charge Depleting Range (Calculated miles)</b>	618.33	<b>Charge Depleting Range (Actual miles)</b>	618.33
<b>All Electric Range Unadjusted (miles)</b>	--	<b>Derived 5-Cycle Coefficient Model Year</b>	--
<b>Equivalent All Electric Range (miles)</b>	618.33		
<b>Number of Charge Depleting Bags/Phases Conducted</b>	4	<b>Transition Bag/Phase Number</b>	--
<b>Charge Depleting Bag/Phase</b>			
Charge Depleting Bag/Phase #	Test Result/Emission Name	Unrounded Test Result	
1	Carbon-Related Exhaust Emissions	0	
2	Drive Trace Absolute Speed Change Rating	0.46	
3	Drive Trace Energy Economy Rating	0.29	
4	Drive Trace Inertia Work Ratio Rating	0.94	
5	Manufacturer Fuel Economy	22.89	
<b>Charge Depleting Bag/Phase</b>			
Charge Depleting Bag/Phase #	Test Result/Emission Name	Unrounded Test Result	
6	Carbon-Related Exhaust Emissions	0	
7	Drive Trace Absolute Speed Change Rating	-0.74	
8	Drive Trace Energy Economy Rating	-1.12	
9	Drive Trace Inertia Work Ratio Rating	-1.2	
10	Manufacturer Fuel Economy	24.22	
<b>Charge Depleting Bag/Phase</b>			

### Certification Summary Information Report

<b>Test Group</b>	PRIVT00.0SEP	<b>Evaporative/Refueling Family</b>	--
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Charge Depleting Bag/Phase #	Test Result/Emission Name	Unrounded Test Result
11	Carbon-Related Exhaust Emissions	0
12	Drive Trace Absolute Speed Change Rating	0.34
13	Drive Trace Energy Economy Rating	0.05
14	Drive Trace Inertia Work Ratio Rating	0.83
15	Manufacturer Fuel Economy	22.84

**Charge Depleting Bag/Phase**

Charge Depleting Bag/Phase #	Test Result/Emission Name	Unrounded Test Result
16	Carbon-Related Exhaust Emissions	0
17	Drive Trace Absolute Speed Change Rating	-2.63
18	Drive Trace Energy Economy Rating	-2.64
19	Drive Trace Inertia Work Ratio Rating	-4.03
20	Manufacturer Fuel Economy	23.06

**Manufacturer Test Comments**

R1T - Drive Mode: All-Purpose (Default Mode) Dual Motor, Max Battery Pack, and 21" Tires. Cycle 1: 242.20 Wh/mi, Cycle 2: 230.63 Wh/mi, Cycle 3: 228.93 Wh/mi, Cycle 4: 228.35 Wh/mi. UDDS1 Energy: 1805.84 Wh MCT Energy: 141884.88 Wh

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--

## Certification Summary Information Report

Test Group	PRIVT00.0SEP	Evaporative/Refueling Family	--
<b>Test #</b>	<b>PRIV10081361</b>	<b>Test Procedure</b>	<b>84 - Charge Depleting Highway</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	62 - Electricity
<b>Test Date</b>	06/02/2023	<b>Fuel</b>	Electricity
<b>Fuel Batch ID</b>	--	<b>Fuel Calibration Number</b>	--
<b>Vehicle Class</b>	MDPV (Federal Tier 2, GVWR 8501-10000)	<b>DF Type</b>	EPA Assigned
<b>Verify Test Lab ID</b>	FEV Michigan		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	3094	<b>Odometer Units</b>	M
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	Yes		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 86 (+/- 2 mph, +/- 1 sec)	<b>Road Speed Fan Usage</b>	Yes
<b>PHEV/EV Charge Depleting Test Information</b>			
<b>Recharge Event Voltage</b>	240	<b>Recharge Event Energy (kiloWatt-hours)</b>	163
<b>Charge Depleting Range (Calculated miles)</b>	526.85	<b>Charge Depleting Range (Actual miles)</b>	526.85
<b>All Electric Range Unadjusted (miles)</b>	--	<b>Derived 5-Cycle Coefficient Model Year</b>	--
<b>Equivalent All Electric Range (miles)</b>	526.85		
<b>Number of Charge Depleting Bags/Phases Conducted</b>	2	<b>Transition Bag/Phase Number</b>	--
<b>Charge Depleting Bag/Phase</b>			
Charge Depleting Bag/Phase #	Test Result/Emission Name	Unrounded Test Result	
1	Carbon-Related Exhaust Emissions	0	
2	Drive Trace Absolute Speed Change Rating	1.15	
3	Drive Trace Energy Economy Rating	0.48	
4	Drive Trace Inertia Work Ratio Rating	1.53	
5	Manufacturer Fuel Economy	26.73	
<b>Charge Depleting Bag/Phase</b>			
Charge Depleting Bag/Phase #	Test Result/Emission Name	Unrounded Test Result	
6	Carbon-Related Exhaust Emissions	0	
7	Drive Trace Absolute Speed Change Rating	-3.44	
8	Drive Trace Energy Economy Rating	-1.4	
9	Drive Trace Inertia Work Ratio Rating	-4.61	
10	Manufacturer Fuel Economy	27.13	
<b>Manufacturer Test Comments</b>	R1T - Drive Mode: All-Purpose (Default Mode) Dual Motor, Max Battery Pack, and 21" Tires. Cycle 1: 271.31 Wh/mi, Cycle 2: 267.30 Wh/mi MCT Energy: 141884.88 Wh		

### Certification Summary Information Report

Test Group		PRIVT00.0SEP					Evaporative/Refueling Family				--	
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--

## Certification Summary Information Report

Test Group	PRIVT00.0SEP	Evaporative/Refueling Family	--																		
<b>Test #</b>	<b>PRIV10081873</b>	<b>Test Procedure</b>	<b>86 - Charge Depleting 20 Degree F FTP</b>																		
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	62 - Electricity																		
<b>Test Date</b>	07/20/2023	<b>Fuel</b>	N/A																		
<b>Fuel Batch ID</b>	--	<b>Fuel Calibration Number</b>	--																		
<b>Vehicle Class</b>	N/A	<b>DF Type</b>	EPA Assigned																		
<b>Verify Test Lab ID</b>	FEV Michigan																				
<b>E10 Evaporative Test Measurement Method</b>	--																				
<b>Test Start Odometer Reading</b>	4539	<b>Odometer Units</b>	M																		
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--																		
<b>State of Charge Delta</b>	Yes																				
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 86 (+/- 2 mph, +/- 1 sec)	<b>Road Speed Fan Usage</b>	Yes																		
<b>PHEV/EV Charge Depleting Test Information</b>																					
<b>Recharge Event Voltage</b>	240	<b>Recharge Event Energy (kiloWatt-hours)</b>	163																		
<b>Charge Depleting Range (Calculated miles)</b>	111.73	<b>Charge Depleting Range (Actual miles)</b>	111.73																		
<b>All Electric Range Unadjusted (miles)</b>	--	<b>Derived 5-Cycle Coefficient Model Year</b>	--																		
<b>Equivalent All Electric Range (miles)</b>	111.73																				
<b>Number of Charge Depleting Bags/Phases Conducted</b>	4	<b>Transition Bag/Phase Number</b>	--																		
<b>Charge Depleting Bag/Phase</b>																					
<table border="1"> <thead> <tr> <th>Charge Depleting Bag/Phase #</th> <th>Test Result/Emission Name</th> <th>Unrounded Test Result</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Carbon-Related Exhaust Emissions</td> <td>0</td> </tr> <tr> <td>2</td> <td>Drive Trace Absolute Speed Change Rating</td> <td>1.56</td> </tr> <tr> <td>3</td> <td>Drive Trace Energy Economy Rating</td> <td>1.08</td> </tr> <tr> <td>4</td> <td>Drive Trace Inertia Work Ratio Rating</td> <td>3.02</td> </tr> <tr> <td>5</td> <td>Manufacturer Fuel Economy</td> <td>42.98</td> </tr> </tbody> </table>				Charge Depleting Bag/Phase #	Test Result/Emission Name	Unrounded Test Result	1	Carbon-Related Exhaust Emissions	0	2	Drive Trace Absolute Speed Change Rating	1.56	3	Drive Trace Energy Economy Rating	1.08	4	Drive Trace Inertia Work Ratio Rating	3.02	5	Manufacturer Fuel Economy	42.98
Charge Depleting Bag/Phase #	Test Result/Emission Name	Unrounded Test Result																			
1	Carbon-Related Exhaust Emissions	0																			
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5	Manufacturer Fuel Economy	42.98																			
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<table border="1"> <thead> <tr> <th>Charge Depleting Bag/Phase #</th> <th>Test Result/Emission Name</th> <th>Unrounded Test Result</th> </tr> </thead> <tbody> <tr> <td>6</td> <td>Carbon-Related Exhaust Emissions</td> <td>0</td> </tr> <tr> <td>7</td> <td>Drive Trace Absolute Speed Change Rating</td> <td>2.24</td> </tr> <tr> <td>8</td> <td>Drive Trace Energy Economy Rating</td> <td>0.45</td> </tr> <tr> <td>9</td> <td>Drive Trace Inertia Work Ratio Rating</td> <td>3.52</td> </tr> <tr> <td>10</td> <td>Manufacturer Fuel Economy</td> <td>63.79</td> </tr> </tbody> </table>				Charge Depleting Bag/Phase #	Test Result/Emission Name	Unrounded Test Result	6	Carbon-Related Exhaust Emissions	0	7	Drive Trace Absolute Speed Change Rating	2.24	8	Drive Trace Energy Economy Rating	0.45	9	Drive Trace Inertia Work Ratio Rating	3.52	10	Manufacturer Fuel Economy	63.79
Charge Depleting Bag/Phase #	Test Result/Emission Name	Unrounded Test Result																			
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10	Manufacturer Fuel Economy	63.79																			
<b>Charge Depleting Bag/Phase</b>																					





## Certification Summary Information Report

Test Group		PRIVT00.0SEP			Evaporative/Refueling Family			--
<b>Dynamometer Coefficients:</b>								
		Target Coefficients			Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)		
City/Highway/Evap	54.69	0.3913	0.02244	-2.14	0.1435	0.02493	17.4	
Cold CO	60.16	0.4304	0.02468	-11.84	-0.0123	0.02708	N/A	
US06	54.69	0.3913	0.02244	-2.14	0.1435	0.02493	N/A	
Emission Control Device Comments	Battery Electric Vehicle							
Manufacturer Test Vehicle Comments	FDU Axle Ratio: 11.0:1 RDU Axle Ratio: 13.7:1 FDU N/V: 140.0 RDU N/V: 112.4							

## Certification Summary Information Report

<b>Test Group</b>	PRIVT00.0SEP	<b>Evaporative/Refueling Family</b>	--
<b>Test #</b>	<b>PRIV10081882</b>	<b>Test Procedure</b>	<b>2 - CVS 75 and later (w/o can. load)</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	62 - Electricity
<b>Test Date</b>	06/20/2023	<b>Fuel</b>	Electricity
<b>Fuel Batch ID</b>	--	<b>Fuel Calibration Number</b>	--
<b>Vehicle Class</b>	MDPV (Federal Tier 2, GVWR 8501-10000)	<b>DF Type</b>	EPA Assigned
<b>Verify Test Lab ID</b>	FEV Michigan		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	4263	<b>Odometer Units</b>	M
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	Yes		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 86 (+/- 2 mph, +/- 1 sec)	<b>Road Speed Fan Usage</b>	Yes

## Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.83	--
DT-EER (Drive Trace Energy Economy Rating)	0.02	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	1.33	--
MFR FE (Manufacturer Fuel Economy)	26.42	127.5548827
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	0
Optional Carbon-Related Exhaust Emissions	0	0

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

## Manufacturer Test Comments

R1T - Drive Mode: All-Purpose (Default Mode) Dual Motor, Max Battery Pack, and 22" Tires. Cycle 1: 293.57 Wh/mi, Cycle 2: 238.51 Wh/mi, Cycle 3: 286.95 Wh/mi, Cycle 4: 241.47 Wh/mi.

### Certification Summary Information Report

Test Group		PRIVT00.0SEP					Evaporative/Refueling Family				--	
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 0	CO	0	--	--	--	0	--	0	0	Pass
CA	150,000 miles	California ZEV	CO	0	--	--	--	0	--	0	0	Pass

## Certification Summary Information Report

<b>Test Group</b>	PRIVT00.0SEP	<b>Evaporative/Refueling Family</b>	--
<b>Test #</b>	<b>PRIV10081884</b>	<b>Test Procedure</b>	<b>3 - HWFE</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	62 - Electricity
<b>Test Date</b>	06/20/2023	<b>Fuel</b>	N/A
<b>Fuel Batch ID</b>	--	<b>Fuel Calibration Number</b>	--
<b>Vehicle Class</b>	N/A	<b>DF Type</b>	EPA Assigned
<b>Verify Test Lab ID</b>	FEV Michigan		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	4263	<b>Odometer Units</b>	M
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	Yes		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 86 (+/- 2 mph, +/- 1 sec)	<b>Road Speed Fan Usage</b>	Yes

## Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.83	--
DT-EER (Drive Trace Energy Economy Rating)	0.02	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	1.33	--
MFR FE (Manufacturer Fuel Economy)	30.1	111.9601329
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	0
Optional Carbon-Related Exhaust Emissions	0	0

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

## Manufacturer Test Comments

R1T - Drive Mode: All-Purpose (Default Mode) Dual Motor, Max Battery Pack, and 22" Tires. Cycle 1: 301.03 Wh/mi

## Certification Summary Information Report

<b>Test Group</b>	PRIVT00.0SEP	<b>Evaporative/Refueling Family</b>	--
<b>Test #</b>	<b>PRIV10081886</b>	<b>Test Procedure</b>	<b>90 - US06</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	62 - Electricity
<b>Test Date</b>	06/20/2023	<b>Fuel</b>	N/A
<b>Fuel Batch ID</b>	--	<b>Fuel Calibration Number</b>	--
<b>Vehicle Class</b>	N/A	<b>DF Type</b>	EPA Assigned
<b>Verify Test Lab ID</b>	FEV Michigan		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	4288	<b>Odometer Units</b>	M
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	Yes		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 86 (+/- 2 mph, +/- 1 sec)	<b>Road Speed Fan Usage</b>	Yes

## Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-2.05	--
DT-EER (Drive Trace Energy Economy Rating)	-0.99	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-4.37	--
MFR FE (Manufacturer Fuel Economy)	39.27	85.8161446
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	--
Optional Carbon-Related Exhaust Emissions	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

## Manufacturer Test Comments

R1T - Drive Mode: All-Purpose (Default Mode) Dual Motor, Max Battery Pack, and 22" Tires. Cycle 1 (City1): 362.83 Wh/mi, Cycle 2 (HWY): 396.87 Wh/mi, Cycle 3 (City2): 417.34 Wh/mi

## Certification Summary Information Report

<b>Test Group</b>	PRIVT00.0SEP	<b>Evaporative/Refueling Family</b>	--
<b>Test #</b>	<b>PRIV10081885</b>	<b>Test Procedure</b>	<b>95 - SC03</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	62 - Electricity
<b>Test Date</b>	06/20/2023	<b>Fuel</b>	N/A
<b>Fuel Batch ID</b>	--	<b>Fuel Calibration Number</b>	--
<b>Vehicle Class</b>	N/A	<b>DF Type</b>	EPA Assigned
<b>Verify Test Lab ID</b>	FEV Michigan		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	4305	<b>Odometer Units</b>	M
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	Yes		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 86 (+/- 2 mph, +/- 1 sec)	<b>Road Speed Fan Usage</b>	Yes

## Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.95	--
DT-EER (Drive Trace Energy Economy Rating)	-0.44	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-1.03	--
MFR FE (Manufacturer Fuel Economy)	31.66	106.4434618
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	--
Optional Carbon-Related Exhaust Emissions	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

## Manufacturer Test Comments

R1T - Drive Mode: All-Purpose (Default Mode) Dual Motor, Max Battery Pack, and 22" Tires. Cycle 1: 316.59 Wh/mi

## Certification Summary Information Report

Test Group	PRIVT00.0SEP	Evaporative/Refueling Family	--
<b>Test #</b>	<b>PRIV10081879</b>	<b>Test Procedure</b>	<b>81 - Charge Depleting UDDS</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	62 - Electricity
<b>Test Date</b>	06/15/2023	<b>Fuel</b>	Electricity
<b>Fuel Batch ID</b>	--	<b>Fuel Calibration Number</b>	--
<b>Vehicle Class</b>	MDPV (Federal Tier 2, GVWR 8501-10000)	<b>DF Type</b>	EPA Assigned
<b>Verify Test Lab ID</b>	FEV Michigan		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	3804	<b>Odometer Units</b>	M
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	Yes		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 86 (+/- 2 mph, +/- 1 sec)	<b>Road Speed Fan Usage</b>	Yes
<b>PHEV/EV Charge Depleting Test Information</b>			
<b>Recharge Event Voltage</b>	240	<b>Recharge Event Energy (kiloWatt-hours)</b>	163.6
<b>Charge Depleting Range (Calculated miles)</b>	560.91	<b>Charge Depleting Range (Actual miles)</b>	560.91
<b>All Electric Range Unadjusted (miles)</b>	--	<b>Derived 5-Cycle Coefficient Model Year</b>	--
<b>Equivalent All Electric Range (miles)</b>	560.91		
<b>Number of Charge Depleting Bags/Phases Conducted</b>	4	<b>Transition Bag/Phase Number</b>	--
<b>Charge Depleting Bag/Phase</b>			
Charge Depleting Bag/Phase #	Test Result/Emission Name	Unrounded Test Result	
1	Carbon-Related Exhaust Emissions	0	
2	Drive Trace Absolute Speed Change Rating	1.08	
3	Drive Trace Energy Economy Rating	1.01	
4	Drive Trace Inertia Work Ratio Rating	1.37	
5	Manufacturer Fuel Economy	25.71	
<b>Charge Depleting Bag/Phase</b>			
Charge Depleting Bag/Phase #	Test Result/Emission Name	Unrounded Test Result	
6	Carbon-Related Exhaust Emissions	0	
7	Drive Trace Absolute Speed Change Rating	2.28	
8	Drive Trace Energy Economy Rating	1.43	
9	Drive Trace Inertia Work Ratio Rating	3.31	
10	Manufacturer Fuel Economy	25.11	
<b>Charge Depleting Bag/Phase</b>			

### Certification Summary Information Report

<b>Test Group</b>	PRIVT00.0SEP	<b>Evaporative/Refueling Family</b>	--
-------------------	--------------	-------------------------------------	----

Charge Depleting Bag/Phase #	Test Result/Emission Name	Unrounded Test Result
11	Carbon-Related Exhaust Emissions	0
12	Drive Trace Absolute Speed Change Rating	2.11
13	Drive Trace Energy Economy Rating	1.37
14	Drive Trace Inertia Work Ratio Rating	3.25
15	Manufacturer Fuel Economy	25.08

**Charge Depleting Bag/Phase**

Charge Depleting Bag/Phase #	Test Result/Emission Name	Unrounded Test Result
16	Carbon-Related Exhaust Emissions	0
17	Drive Trace Absolute Speed Change Rating	0.42
18	Drive Trace Energy Economy Rating	0.5
19	Drive Trace Inertia Work Ratio Rating	2.09
20	Manufacturer Fuel Economy	26.94

**Manufacturer Test Comments**

R1T - Drive Mode: All-Purpose (Default Mode) Dual Motor, Max Battery Pack, and 22" Tires. Cycle 1: 269.42 Wh/mi, Cycle 2: 257.14 Wh/mi, Cycle 3: 251.08 Wh/mi, Cycle 4: 250.76 Wh/mi. UDDS1 Energy: 2009.12 Wh Wh MCT Energy: 142038.64 Wh

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--

## Certification Summary Information Report

Test Group	PRIVT00.0SEP	Evaporative/Refueling Family	--
<b>Test #</b>	<b>PRIV10081880</b>	<b>Test Procedure</b>	<b>84 - Charge Depleting Highway</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	62 - Electricity
<b>Test Date</b>	06/15/2023	<b>Fuel</b>	Electricity
<b>Fuel Batch ID</b>	--	<b>Fuel Calibration Number</b>	--
<b>Vehicle Class</b>	MDPV (Federal Tier 2, GVWR 8501-10000)	<b>DF Type</b>	EPA Assigned
<b>Verify Test Lab ID</b>	FEV Michigan		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	3804	<b>Odometer Units</b>	M
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	Yes		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 86 (+/- 2 mph, +/- 1 sec)	<b>Road Speed Fan Usage</b>	Yes
<b>PHEV/EV Charge Depleting Test Information</b>			
<b>Recharge Event Voltage</b>	240	<b>Recharge Event Energy (kiloWatt-hours)</b>	163.6
<b>Charge Depleting Range (Calculated miles)</b>	478.79	<b>Charge Depleting Range (Actual miles)</b>	478.79
<b>All Electric Range Unadjusted (miles)</b>	--	<b>Derived 5-Cycle Coefficient Model Year</b>	--
<b>Equivalent All Electric Range (miles)</b>	478.79		
<b>Number of Charge Depleting Bags/Phases Conducted</b>	2	<b>Transition Bag/Phase Number</b>	--
<b>Charge Depleting Bag/Phase</b>			
Charge Depleting Bag/Phase #	Test Result/Emission Name	Unrounded Test Result	
1	Carbon-Related Exhaust Emissions	0	
2	Drive Trace Absolute Speed Change Rating	5.46	
3	Drive Trace Energy Economy Rating	0.49	
4	Drive Trace Inertia Work Ratio Rating	6.89	
5	Manufacturer Fuel Economy	29.39	
<b>Charge Depleting Bag/Phase</b>			
Charge Depleting Bag/Phase #	Test Result/Emission Name	Unrounded Test Result	
6	Carbon-Related Exhaust Emissions	0	
7	Drive Trace Absolute Speed Change Rating	1.67	
8	Drive Trace Energy Economy Rating	0.46	
9	Drive Trace Inertia Work Ratio Rating	1.51	
10	Manufacturer Fuel Economy	29.94	
<b>Manufacturer Test Comments</b>	R1T - Drive Mode: All-Purpose (Default Mode) Dual Motor, Max Battery Pack, and 22" Tires. Cycle 1: 299.40 Wh/mi, Cycle 2: 293.92 Wh/mi MCT Energy: 142038.64 Wh		

### Certification Summary Information Report

Test Group		PRIVT00.0SEP					Evaporative/Refueling Family				--	
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--

## Certification Summary Information Report

<b>Test Group</b>	PRIVT00.0SEP	<b>Evaporative/Refueling Family</b>	--
<b>Test #</b>	<b>PRIV10081883</b>	<b>Test Procedure</b>	<b>86 - Charge Depleting 20 Degree F FTP</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	62 - Electricity
<b>Test Date</b>	07/18/2023	<b>Fuel</b>	N/A
<b>Fuel Batch ID</b>	--	<b>Fuel Calibration Number</b>	--
<b>Vehicle Class</b>	N/A	<b>DF Type</b>	EPA Assigned
<b>Verify Test Lab ID</b>	FEV Michigan		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	4424	<b>Odometer Units</b>	M
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	Yes		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 86 (+/- 2 mph, +/- 1 sec)	<b>Road Speed Fan Usage</b>	Yes

**PHEV/EV Charge Depleting Test Information**

<b>Recharge Event Voltage</b>	240	<b>Recharge Event Energy (kiloWatt-hours)</b>	163.6
<b>Charge Depleting Range (Calculated miles)</b>	111.76	<b>Charge Depleting Range (Actual miles)</b>	111.76
<b>All Electric Range Unadjusted (miles)</b>	--	<b>Derived 5-Cycle Coefficient Model Year</b>	--
<b>Equivalent All Electric Range (miles)</b>	111.76		
<b>Number of Charge Depleting Bags/Phases Conducted</b>	4	<b>Transition Bag/Phase Number</b>	--

**Charge Depleting Bag/Phase**

Charge Depleting Bag/Phase #	Test Result/Emission Name	Unrounded Test Result
1	Carbon-Related Exhaust Emissions	0
2	Drive Trace Absolute Speed Change Rating	0.28
3	Drive Trace Energy Economy Rating	-1.6
4	Drive Trace Inertia Work Ratio Rating	1.14
5	Manufacturer Fuel Economy	65.8

**Charge Depleting Bag/Phase**

Charge Depleting Bag/Phase #	Test Result/Emission Name	Unrounded Test Result
6	Carbon-Related Exhaust Emissions	0
7	Drive Trace Absolute Speed Change Rating	-0.21
8	Drive Trace Energy Economy Rating	-0.98
9	Drive Trace Inertia Work Ratio Rating	-0.42
10	Manufacturer Fuel Economy	52.33

**Charge Depleting Bag/Phase**



### Certification Summary Information Report

<b>Test Group</b>	PRIVT00.0SEP	<b>Evaporative/Refueling Family</b>	--
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#### Consolidated List of Standards

**Exhaust Standards**

<b>Cert Region</b>	California + CAA Section 177 states	<b>Cert/In-Use Code</b>	Cert
<b>Vehicle Class</b>	MDPV (Federal Tier 2, GVWR 8501-10000)	<b>Standard Level</b>	California ZEV
<b>Fuel</b>	Electricity	<b>Test Procedure</b>	Charge Depleting UDDS

Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	--	0	0
150,000 miles	CO-COMP	--	--	--	--	--	--	0	0
150,000 miles	CREE	--	--	--	--	--	--	0	0
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	0	0

<b>Cert Region</b>	Federal	<b>Cert/In-Use Code</b>	Cert
<b>Vehicle Class</b>	MDPV (Federal Tier 2, GVWR 8501-10000)	<b>Standard Level</b>	Federal Tier 3 Bin 0
<b>Fuel</b>	Electricity	<b>Test Procedure</b>	Charge Depleting Highway

Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	--	0	0
150,000 miles	CO-COMP	--	--	--	--	--	--	0	0
150,000 miles	CREE	--	--	--	--	--	--	0	0
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	0	0

<b>Cert Region</b>	California + CAA Section 177 states	<b>Cert/In-Use Code</b>	Cert
<b>Vehicle Class</b>	MDPV (Federal Tier 2, GVWR 8501-10000)	<b>Standard Level</b>	California ZEV
<b>Fuel</b>	Electricity	<b>Test Procedure</b>	Charge Depleting Highway

Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	--	0	0
150,000 miles	CO-COMP	--	--	--	--	--	--	0	0
150,000 miles	CREE	--	--	--	--	--	--	0	0
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	0	0

### Certification Summary Information Report

<b>Test Group</b>		PRIVT00.0SEP			<b>Evaporative/Refueling Family</b>			--		
<b>Cert Region</b>		Federal			<b>Cert/In-Use Code</b>			Cert		
<b>Vehicle Class</b>		MDPV (Federal Tier 2, GVWR 8501-10000)			<b>Standard Level</b>			Federal Tier 3 Bin 0		
<b>Fuel</b>		Electricity			<b>Test Procedure</b>			Charge Depleting UDDS		
<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>RAF</b>	<b>NMOG / NMHC</b>	<b>Upward Diesel Adjustment Factor</b>	<b>Downward Diesel Adjustment Factor</b>	<b>Mult DF</b>	<b>Add DF</b>	<b>Std</b>	
150,000 miles	CO	--	--	--	--	--	--	0	0	
150,000 miles	CO-COMP	--	--	--	--	--	--	0	0	
150,000 miles	CREE	--	--	--	--	--	--	0	0	
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	0	0	
<b>Cert Region</b>		Federal			<b>Cert/In-Use Code</b>			Cert		
<b>Vehicle Class</b>		MDPV (Federal Tier 2, GVWR 8501-10000)			<b>Standard Level</b>			Federal Tier 3 Bin 0		
<b>Fuel</b>		Electricity			<b>Test Procedure</b>			CVS 75 and later (w/o can. load)		
<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>RAF</b>	<b>NMOG / NMHC</b>	<b>Upward Diesel Adjustment Factor</b>	<b>Downward Diesel Adjustment Factor</b>	<b>Mult DF</b>	<b>Add DF</b>	<b>Std</b>	
150,000 miles	CO	--	--	--	--	--	--	0	0	
<b>Cert Region</b>		California + CAA Section 177 states			<b>Cert/In-Use Code</b>			Cert		
<b>Vehicle Class</b>		MDPV (Federal Tier 2, GVWR 8501-10000)			<b>Standard Level</b>			California ZEV		
<b>Fuel</b>		Electricity			<b>Test Procedure</b>			CVS 75 and later (w/o can. load)		
<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>RAF</b>	<b>NMOG / NMHC</b>	<b>Upward Diesel Adjustment Factor</b>	<b>Downward Diesel Adjustment Factor</b>	<b>Mult DF</b>	<b>Add DF</b>	<b>Std</b>	
150,000 miles	CO	--	--	--	--	--	--	0	0	

## Certification Summary Information Report

Test Group	PRIVT00.0SEP	Evaporative/Refueling Family		--
<b>Glossary</b>				
<b>Useful Life</b>				
4	4,000 miles	120	120,000 miles	
50	50,000 miles	150	150,000 miles	
100	100,000 miles			
<b>Emission Name</b>				
HC-TOTAL	Total Hydrocarbon	METHANOL	CH3OH - Methanol	
CO	Carbon Monoxide	N2O	Nitrous Oxide	
CO2	Carbon dioxide	SPITBACK	Spitback Hydrocarbon in grams	
CREE	Carbon-Related Exhaust Emissions	AMP-HRS	Integrated Amp-hours	
OPT-CREE	Optional Carbon-Related Exhaust Emissions	START-SOC	System Start State of Charge Watt-hours	
NOX	Nitrogen Oxide	END-SOC	System End State of Charge Watt-hours	
PM	Particulate Matter	ACT-DISTANCE	Actual Distance Driven (miles)	
PM-COMP	SFTP Composite Particulate Matter	AS-VOLT	Average System Voltage	
HC-NM	Non-methane Hydrocarbon	CO2 BAG 1	Bag 1 Carbon Dioxide	
OMHCE	Organic material Hydrocarbon Equivalent	CO2 BAG 2	Bag 2 Carbon Dioxide	
OMNMHCE	Organic material non-methane HC equivalent	CO2 BAG 3	Bag 3 Carbon Dioxide	
NMOG	Non-methane organic gases	CO2 BAG 4	Bag 4 Carbon Dioxide	
HCHO	Formaldehyde	NMOG+NOX	Non-methane organic gases plus Nitrogen Oxides	
H3C2HO	Acetaldehyde	NMOG+NOX-COMP	SFTP Composite Non-methane Organic Gases + Nitrogen Oxides	
HC-NM+NOX	SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03	DT-IWRR	Drive Trace Inertia Work Ratio Rating	
HC-NM+NOX-COMP	SFTP Composite Non-methane Hydrocarbon + Nitrogen Oxides	DT-ASCR	Drive Trace Absolute Speed Change Rating	
CO-COMP	SFTP Composite Carbon Monoxide	DT-EER	Drive Trace Energy Economy Rating	
ETHANOL	C2H5OH - Ethanol	COMB-CREE	Combined Carbon-Related Exhaust Emissions	
FE BAG 1	Bag 1 Fuel Economy	COMB-OPT-CREE	Combined Optional Carbon-Related Exhaust Emissions	
FE BAG 2	Bag 2 Fuel Economy	HC-TOTAL-EQUIV	Total Hydrocarbon equivalent - Evap only	
FE BAG 3	Bag 3 Fuel Economy	METHANE-COMB	Combined CH4 for HD 2b/3 vehicles only	
FE BAG 4	Bag 4 Fuel Economy	N2O-COMB	Combined Nitrous Oxide for HD 2b/3 vehicles only	
MFR FE	Manufacturer Fuel Economy	LEAK-DIA	Effective Leak Diameter (inches)	
HC	Hydrocarbon for Running Loss and ORVR	LEAK-GAS CAP	Gas Cap Leakage (cc/min)	
METHANE	CH4 - Methane	CO2-COMB	Combined Carbon Dioxide for HD 2b/3 Vehicles Only	
<b>Certification Region</b>				
CA	California + CAA Section 177 states	FA	Federal	
<b>Exhaust Emission Standard Level</b>				
B1	Federal Tier 2 Bin 1	L3ULEV340	California LEV-III ULEV340	
B2	Federal Tier 2 Bin 2	L3ULEV250	California LEV-III ULEV250	
B3	Federal Tier 2 Bin 3	L3ULEV200	California LEV-III ULEV200	
B4	Federal Tier 2 Bin 4	L3SULEV170	California LEV-III SULEV170	
B5	Federal Tier 2 Bin 5	L3SULEV150	California LEV-III SULEV150	

## Certification Summary Information Report

Test Group	PRIVT00.0SEP	Evaporative/Refueling Family	
B6	Federal Tier 2 Bin 6	L3LEV630	California LEV-III LEV630
B7	Federal Tier 2 Bin 7	L3ULEV570	California LEV-III ULEV570
B8	Federal Tier 2 Bin 8	L3ULEV400	California LEV-III ULEV400
B9	Federal Tier 2 Bin 9	L3ULEV270	California LEV-III ULEV270
B10	Federal Tier 2 Bin 10	L3SULEV230	California LEV-III SULEV230
B11	Federal Tier 2 Bin 11	L3SULEV200	California LEV-III SULEV200
HDV1	HDV1 (Federal HD chassis Class 2b GVW 8501-10000)	T3B160	Federal Tier 3 Bin 160
HDV2	HDV2 (Federal HD chassis Class 3 GVW 10001-14000)	T3B125	Federal Tier 3 Bin 125
L2	California LEV-II LEV	T3B110	Federal Tier 3 Transitional Bin 110
L2OP	California LEV-II LEV Optional	T3B85	Federal Tier 3 Transitional Bin 85
U2	California LEV-II ULEV	T3SULEV30	Federal Tier 3 Transitional LEV-II SULEV30 Carryover
S2	California LEV-II SULEV	T3B70	Federal Tier 3 Bin 70
ZEV	California ZEV	T3B50	Federal Tier 3 Bin 50
OT	Other	T3B30	Federal Tier 3 Bin 30
T1	Federal Tier 1	T3B20	Federal Tier 3 Bin 20
PZEV	California PZEV	T3B0	Federal Tier 3 Bin 0
L2LEV160	California LEV-II LEV160	HDV2B395	Federal Tier 3 HD Class 2b Transitional Bin 395
L2ULEV125	California LEV-II ULEV125	HDV2B340	Federal Tier 3 HD Class 2b Transitional Bin 340
L2SULEV30	California LEV-II SULEV30	HDV2B250	Federal Tier 3 HD Class 2b Bin 250
L2LEV395	California LEV-II LEV395	HDV2B200	Federal Tier 3 HD Class 2b Bin 200
L2ULEV340	California LEV-II ULEV340	HDV2B170	Federal Tier 3 HD Class 2b Bin 170
L2LEV630	California LEV-II LEV630	HDV2B150	Federal Tier 3 HD Class 2b Bin 150
L2ULEV570	California LEV-II ULEV570	HDV2B0	Federal Tier 3 HD Class 2b Bin 0
L3LEV160	California LEV-III LEV160	HDV3B630	Federal Tier 3 HD Class 3 Transitional Bin 630
L3ULEV125	California LEV-III ULEV125	HDV3B570	Federal Tier 3 HD Class 3 Transitional Bin 570
L3ULEV70	California LEV-III ULEV70	HDV3B400	Federal Tier 3 HD Class 3 Bin 400
L3ULEV50	California LEV-III ULEV50	HDV3B270	Federal Tier 3 HD Class 3 Bin 270
L3SULEV30	California LEV-III SULEV30	HDV3B230	Federal Tier 3 HD Class 3 Bin 230
L3SULEV20	California LEV-III SULEV20	HDV3B200	Federal Tier 3 HD Class 3 Bin 200
L3LEV395	California LEV-III LEV395	HDV3B0	Federal Tier 3 HD Class 3 Bin 0
<b>Transmission Type Code</b>			
AMS	Automated Manual- Selectable (e.g. Automated Manual with paddles)	M	Manual
A	Automatic	OT	Other
AM	Automated Manual	SA	Semi-Automatic
CVT	Continuously Variable	SCV	Selectable Continuously Variable (e.g. CVT with paddles)
<b>Drive System Code</b>			
4	4-Wheel Drive	P	Part-time 4-Wheel Drive
F	2-Wheel Drive, Front	A	All Wheel Drive
R	2-Wheel Drive, Rear		

## Certification Summary Information Report

Test Group	PRIVT00.0SEP	Evaporative/Refueling Family	--
<b>Additional Terms and Acronyms</b>			
AFC	Alternative Fuel Converter	ICI	Independent Commercial Importer
CSI	Certificate Summary Information	ORVR	Onboard Refueling Vapor Recovery
DF	Deterioration Factor	SIL	Shift Indicator Light
Evap	Evaporation, Evaporative	Trans	Transmission