

Application of Certification – Part 1**2024 Model Year****Test Group: RLMUV00.0ZA2****Durability Group: RLMUEEVNNZA2****Evaporative Families: NA****Test Group description: Battery Electric Vehicle****OBD Group: NA****Carline covered: Lucid Air Touring AWD w/19" wheels**

Lucid Air Touring AWD w/20" wheels

Lucid Air Touring AWD w/21" wheels

Vehicle Category: Light-duty vehicle**Applicable Standards: Federal Tier 3 Bin 0 & California LEV3 – ZEV****EPA Response requested by: November 15th 2023****For application related questions, contact: Nitin Rana**

nitinrana@lucidmotors.com

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01.00.00 Communications

01.01.00 Mailing Information

01.01.01 Certification Information

Lucid USA, Inc.
7373 Gateway Blvd
Newark CA 94560

01.01.02 Responsible Official

Primary Contact

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02.00.00 Confidential Information

02.01.00 Statement of Confidentiality

According to Class determination 3-78, the following sections in the below listed Applications are determined by Lucid to be kept as confidential.

08.00.00 General technical description

13.00.00 Projected Sales

15.00.00 Fee Filing Details

02.02.00 Test Vehicle Selection

All variants were tested.

03.00.00 Facilities, equipment, and test procedure

03.01.00 Test Procedure

Testing was conducted at a third-party facility – per SAE J1634 procedure (as Revised 2017) Steady State at 65 mph.

03.02.00 Battery Pre-conditioning Procedures

Cell manufacturers cycle the lithium-ion battery cells before they are assembled into battery modules and then battery packs. No further pre-conditioning needed.

04.00.00 (Reserved)

05.00.00 (Reserved)

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06.00.00 Maintenance

Will be provided in Owner's Manual

06.01.00 Test Vehicle Scheduled Maintenance

NA

06.02.00 Recommended Customer Maintenance Schedule

Will be provided in Owner's Manual

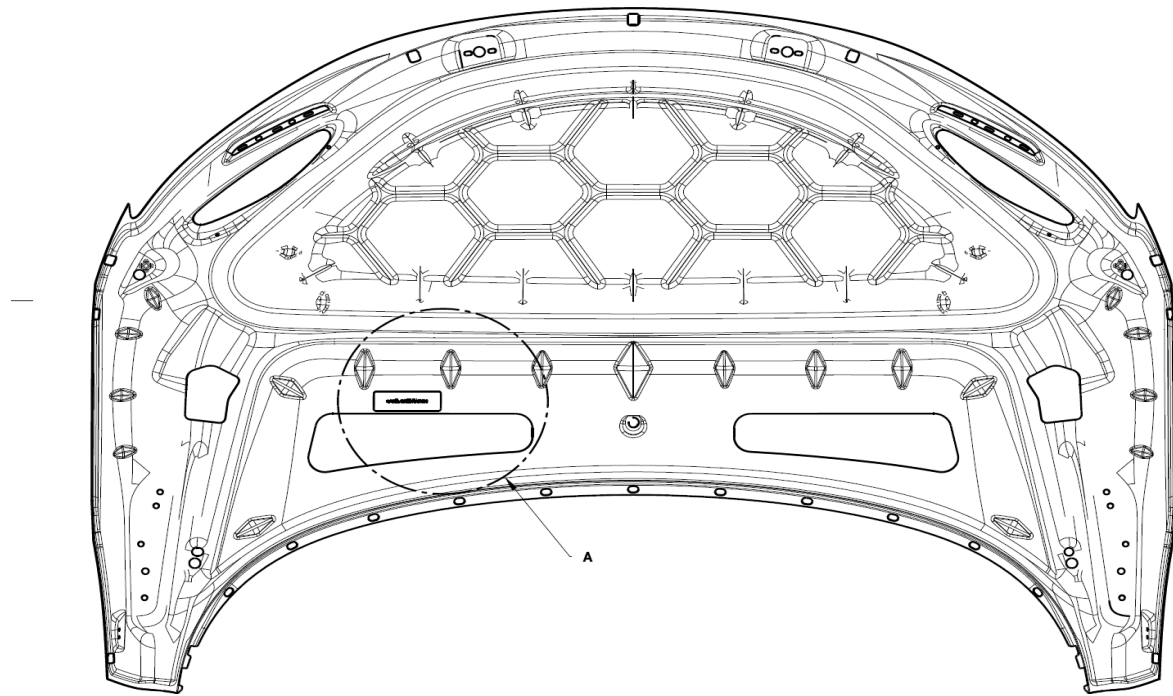
06.03.00 Lubricants and Heater Fuels, if any

Capacity (Front/Rear)	2600 ml/3000 ml
Make	Mobil1
Trade Name	Mobil1 EV Cooldrive 303(previously known as Mobil 1 LV HP)
Type	Synthetic
Viscosity @ -40C	8000 mPa-s (millipascal-seconds)
Viscosity @ 100C	5.7 cst (centistokes)


07.00.00 Vehicle Emission Control Information (VECI) and Environmental Performance (EP) Labels

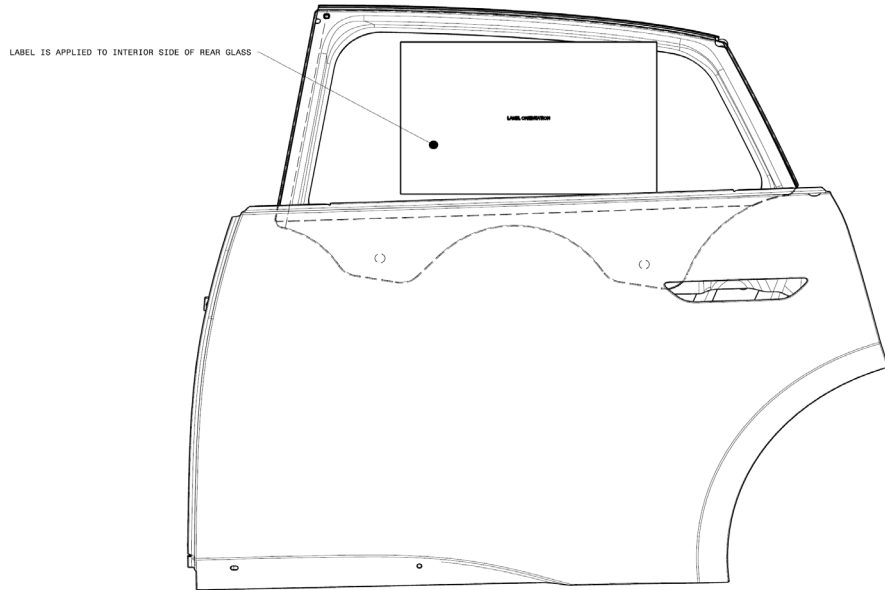
07.01.00 VECI & Monroney Label locations

VECI label is located under the frunk.



VECI Label Sample

<p>VEHICLE EMISSION CONTROL INFORMATION / INFORMATIONS SUR LE CONTRÔLE DES ÉMISSIONS DU VÉHICULE</p>		<p>LUCID</p>
<p>THIS VEHICLE CONFORMS TO U.S. EPA REGULATIONS APPLICABLE TO 2024 MODEL YEAR NEW TIER 3 BIN 0 LIGHT DUTY VEHICLES AND TO CALIFORNIA REGULATIONS APPLICABLE TO 2024 MODEL YEAR NEW ZEV PASSENGER CARS. CE VÉHICULE EST CONFORME AUX NORMES DE L'USEPA APPLICABLES AUX VÉHICULES LÉGERS TIER 3 BIN 0 DE L'ANNÉE-MODÈLE 2024 ET AUX NORMES CALIFORNIENNES APPLICABLES AUX VÉHICULES À ZÉRO ÉMISSION DE L'ANNÉE-MODÈLE 2024.</p>		<p>MODEL / MODÈLE: 2024 LUCID AIR MOTOR / MOTEUR: 3 PHASE AC TEST GROUP / GROUPE D'ESSAI: RLMUV00.0ZA2</p>
		<p>LUCID USA, INC.</p>



Monroney Label is located on the left rear window of the vehicle

07.02.00 Sample EP label

EPA DOT Fuel Economy and Environment		Electric Vehicle	
Fuel Economy 121 MPGe The best vehicle rates 140 MPGe		You save \$6,500 in fuel costs over 5 Years compared to the average new vehicle.	
Combined City/Hwy 121	City 122	Highway 28	kW-hrs per 100 miles 28
Driving Range When fully charged, vehicle can travel about...			
0 100 200 300 400		469 miles	
Charge Time: 13 hours (240V)			
Annual Fuel Cost \$650		Fuel Economy & Greenhouse Rating (tailpipe only) Smog Rating (tailpipe only) 	
Actual results will vary for many reasons, including driving conditions and how you drive and maintain your vehicle. The average new vehicle gets 28 MPG and costs \$9,750 to fuel over 5 Years. Cost estimates are based on 15,000 miles per year at \$0.15 per kW-hr. MPGe is miles per gasoline gallon equivalent. Vehicle emissions are a significant cause of climate change and smog.			
fuel economy.gov Calculate personalized estimates and compare vehicles			



07.03.00 Statement of Compliance

All vehicles within the test group conform to US EPA Federal Tier 3 Bin 0 and State of California regulations applicable to 2024 Model Year new ZEV Light- duty vehicles.

08.08.00 Description of Charger

Lucid Air can accept energy either from a permanent charging station or an outlet installed at the owner's residence or from various available power outlets while at work or other public locations. The Lucid Air is equipped with hardware to send/receive energy from another Lucid vehicle (V2V), along with sending energy back to the home (V2H) and/or grid (V2G). (Additional accessories are required to enable these features).

Depending on trim and configuration, a charging cord should come included with the purchase of a Lucid Air, inclusive of adapters to charge off NEMA 5-15 and 14-50 outlets. These are swappable adapters with the vehicle-side plug being fixed as the SAE J1772 connector. Using the 5-15 outlet, the car can charge up to 1.3kW and with the 14-50 outlet, 9.6kW. This product communicates with the Lucid vehicle to ensure it's only delivering the appropriate available power and ensuring safe conditions to allow charging to occur.

In addition, Lucid will offer a more permanent, wall-mounted charging station that can be purchased separately from the vehicle and a licensed electrician will provide guidance on the power level it can be set to, based upon available power at the location of install. This charging station can supply current up to 80A, or 19.2kW, and must be hardwired into the location's electrical panel. The unit will also be able to communicate directly with the vehicle to advise on available power to charge.

The Lucid Air is also capable of accepting DC current up to 500A and 900V from an off-board charging system.

08.08.01 Proper Charging Procedures

The charging system adjusts automatically to the available AC line voltage, frequency and current, within set parameters. The charging system in the vehicle works in conjunction with either of the three external charging stations; the wall-mounted charging station, permanently installed DC fast charging stations, or the included-with-purchase portable charging cord.

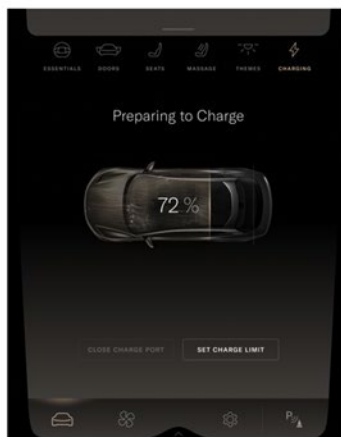
Anytime the charge port door is opened, the vehicle will prepare to enter CHARGE state. Once the user connects either supply cable to the vehicle, the charging system signals to the vehicle that it is ready to deliver the charge. The vehicle locks the cable onto the vehicle and then indicates that it is ready to accept energy and charging will commence. Failure of any of these steps will result in fault condition and lack of charge.

CHARGING EXPERIENCE

Cable Communicating



Pulsing White Light



Charging



0% - 24%



25% - 49%



50% - 74%



75% - 99%

Pulsing Green Light

Battery Level Progression Animation



Charging Complete



Solid Green Light



Error State

Check HMI or mobile app for more info



Solid Red Light

If the battery temperature is near or below freezing temperatures, normal charging will not occur. The vehicle will identify this condition and will begin heating the battery coolant and circulating the coolant to raise the battery temperature to enable charge. When the pack temperature rises to a temperature within the allowable charging range, heating will reduce or stop, and charging will commence. The vehicle may also pull power from the source to heat the coolant without adding charge to the vehicle's battery itself.

[08.08.02 Power requirements necessary to recharge vehicle](#)

The Lucid Air comes with one on-board charger that is capable of a maximum of 80A, or 19.2kW.



08.09.00 Other Unique Features

The Lucid Air can additionally support charging in forms of Vehicle to Vehicle (V2V), Vehicle to Home/Building (V2H), and Vehicle to Grid (V2G). (Optional - Additional accessories are required to enable these features).

08.10.00 Description of Warning System(s) for Maintenance/Malfunction

The Lucid Air is equipped with an LED bar next to the charging port to advise on issues and/or errors during the charging session, as well as charging progress. Additional details on the specific issues can be found within the owner's manual for the vehicle.

08.10.01 [Cut-off terminal voltages for prevention of battery damage](#)

The Battery Management System (BMS) monitors battery pack voltage by way of voltage sensors on each of the battery modules within the pack. It monitors these voltages continually to ensure the safe limits of operation of the battery cells. In the event of other systems in the Powertrain exhibiting a spike in voltage or current, the battery will self-protect by opening contactors and disabling the entire high voltage system in the vehicle.

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09.00.00 (Reserved)

10.00.00 (Reserved)

11.00.00 Starting and Shifting Schedules

Starting: The vehicle does not require a key to be turned on or a button to be pressed to start it. If a paired key fob, NFC card or phone is recognized when the driver's door is opened, the Cockpit and Pilot panels will power on indicating the vehicle is ready to operate.

Drive mode: While seating in the driver's seat, press the brake pedal to put the car in Drive mode. The vehicle will search for a recognized keyfob, NFC card or phone. If a known device is detected, the vehicle can start. If no known device is detected, a message will be displayed on the instrument cluster "Keyfob not detected."

The display on the instrument cluster will change to show the Speedometer, Power meter and the PRND display. The indicator lights will briefly illuminate as a system check and then extinguish unless applicable.

The drive mode enabled indicator (telltale) will be displayed on the instrument cluster.

Selecting a Gear:

With the vehicle in Drive mode, move the right steering column lever up or down to select a gear. The instrument cluster will show the currently selected gear.

To select a gear when the vehicle is in P (Park), you must also press the brake pedal.

Note: If you try to select a gear when the current vehicle speed prohibits a gear change, a chime will sound, and a message will be displayed on the instrument cluster.

R (Reverse)

Push the lever up and release to select R. R can only be selected when the vehicle is stationary, or its forward speed is less than 5 mph (8 km/h).

N (Neutral)

Allows the vehicle to roll freely unless the brakes are applied. Push the lever up or down from the currently selected gear and release to select N.

Note: You must apply the brake pedal before D or R can be selected.

D (Drive)

Push the lever down and release to select D. You can only select D when the vehicle is stationary, or its speed is less than 5 mph (8 km/h) in reverse.

P (Park)

When P is selected, the parking brake is automatically applied.

With the vehicle stationary, you should press the end of the gear selector to select P.

Note: P is automatically engaged whenever you connect a charging cable to the charging port. This is to prevent the vehicle being moved while still connected.

Note: If the vehicle is in D or R, P will automatically be selected if you open the driver's door and get up from the driver's seat.

12.00.00 Vehicle Description

Carline	ETW (lbs.)	Tire Sizes	F0 [lbf]	F1 [lbf/(mph)]	F2 [lbf/(mph) ²]	TRL50	N/V	Axle Ratio
Air Touring w/19" wheels	5250	245/45R19 (F) 245/45R19 (R)	31.63	0.0121	0.01541	9.4	86.7	7.06:1
Air Touring w/20" wheels	5250	245/40R20 (F) 265/40R20 (R)	34.37	0.0778	0.01534	10.2	85.5	7.06:1
Air Touring w/21" wheels	5250	HL245/35R21 (F) HL265/35R21 (R)	35.40	0.1000	0.01628	10.8	85.7	7.06:1

12.01.00 Motor & Battery Description

Parameter	Air Touring AWD
Drive motor Type (Front)	Permanent Magnet AC Motor
Drive motor Type (Rear)	Permanent Magnet AC Motor
Number of Drive Motor (s)/ Drive Units	2/2
Rated Motor Power (KW) Front / Rear	129 kW / 333 kW
Drive type (AWD/2WD/4WD)	AWD
Regenerative Braking (Yes/No)	Yes
Driver Controlled Regen Braking (Yes/No)	Yes
Rated Horsepower (hp)	620
Number of Battery Modules	18
Total number of Cells	5400
Nominal Battery Energy Capacity (kWh)	92
Nominal voltage (V)	660

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14.00.00 Request for Certificate

Mr. Jim Snyder
Compliance Division
Office of Mobile Sources
U. S. Environmental Protection Agency
2000 Traverwood Drive
Ann Arbor, MI 48105

Subject: Request for Certificate of Conformity – Lucid USA, Inc. 2024 Test Group
RLMUV00.0ZA2

Dear Mr. Snyder,

Lucid hereby submits, with this letter, the model year 2024 application for updated Certificate of Conformity for the following Test Group: RLMUV00.0ZA2

EPA Standard: Tier 3 Bin 0 Federal
California Standard: LEV III ZEV California

Certification Fee Filing Form Copy of the Certification Fee filing form is added in section 15 of the electronic application.

Lucid believes all vehicles within this test group comply with all applicable regulations and are in accordance with the provisions of 40 CFR 86.

Our final application is included in the electronic application.

Please review this information and reach out if you have any questions regarding the request for a Certificate of Conformity.



Sincerely,
Wulfer De Bruijn

LUCID

Mr. A. Lyons, Chief
Emissions Certification and Compliance Division
Air Resources Board

Dear Mr. Lyons:

Subject: Request for Executive Order– Lucid USA, Inc.
2024 Test Group RLMUV00.0ZA2

Lucid USA, Inc. requests that CARB issue an Executive Order for the RLMUV00.0ZA2 test group. Lucid requests that the CARB treat the information contained in this application, or information subsequently submitted for inclusion in this application, as confidential business information pursuant to the California Public Records Act and Sections 91000-91022 of Title 17 of the California Code of Regulations.

The new EPA certificate of conformity for this test group will be submitted to e-FILE when it becomes available.

Please review this information and reach out if you have any questions regarding the request for an executive order.



Sincerely,
Wulfer De Bruijn

16.00.00 (Reserved)

17.00.00 CALIFORNIA REQUIREMENTS

Statement of Compliance

Lucid states, this Test Group containing All Electric Vehicles in this application, tailpipe emissions of regulated pollutants from which are deemed to be zero with reference to 40 CFR 86.1829-15(f), based on our engineering judgement, comply with all the requirements of 40 CFR Part 86 Subpart S instead of submitting test data as allowed by § 86.1829-01(b)(4) and 40 CFR 86.1829-15(f).

This vehicle conforms to US EPA Federal Tier 3 Bin 0 and State of California regulations applicable to 2024 Model Year new ZEV Light-duty Vehicles.

Test Group: RLMUV00.0ZA2

Information provided in Supplemental Data Sheet VEHICLE SAFETY

All information related to the safe operation of the vehicle can be found in the Vehicle Owner's Manual Handbook. It will be submitted when it becomes available.

SAFE HANDLING OF BATTERY SYSTEM

Handling

Pack should not be exposed to external abuse such as, but not limited to mechanical compression, puncturing, external short circuit, overcharge or over discharge. They should be kept within normal operating temperature, i.e. -30 to +60°C.

The pack is protected from external mechanical aggression by a robust casing which is isolated from the High Voltage traction chain. The pack enclosure should not be opened since it would expose live high voltage parts.

The cells contained within the pack are hermetically sealed and will not expose electrolyte or electrode material.

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Storage

Battery packs should be stored in their packaging or in appropriate racks designed for that purpose. The packs should not be exposed to heat source or direct sunlight for a long period of time. They should also be protected from rain or snowfall by being stored indoors.

Battery crates should not be stacked by more than 2 packages high. To preserve the battery life cycle, storage at SOC higher than 50% and temperature higher than 60°C is not recommended.

Transport

Lithium-ion batteries are regulated as Class 9 Miscellaneous dangerous goods (also known as “hazardous materials”) pursuant to the International Civil Aviation Organization. (ICAO) Technical Instructions for the Safe Transport of Dangerous Goods by Air, International Air Transport Association (IATA) Dangerous Goods Regulations, the International Maritime Dangerous Goods (IMDG) Code, European Agreements concerning the International Carriage of Dangerous Goods by Rail (RID) and Road (ADR), and applicable national regulations such as the USA’s hazardous materials regulations (see 49 CFR 173.185).

Supplemental Data Sheet

Please refer to e-file and CBI application.

Certification Summary Information Report

Test Group		RLMUV00.0ZA2			Evaporative/Refueling Family			--								
Models Covered by this Certificate																
Carline Manufacturer		Division		Carline		Certification Region Code(s)		Drive System		Trans - Type	- # of Gears	Trans - Lockup				
Lucid USA, Inc.		2 - Lucid USA Inc.		4 - Air Touring AWD w/19" wheels		California + CAA Section 177 states		All Wheel Drive		Automatic	1	No				
Lucid USA, Inc.		2 - Lucid USA Inc.		6 - Air Touring AWD w/21" wheels		Federal		All Wheel Drive		Automatic	1	No				
Lucid USA, Inc.		2 - Lucid USA Inc.		6 - Air Touring AWD w/21" wheels		California + CAA Section 177 states		All Wheel Drive		Automatic	1	No				
Lucid USA, Inc.		2 - Lucid USA Inc.		4 - Air Touring AWD w/19" wheels		Federal		All Wheel Drive		Automatic	1	No				
Lucid USA, Inc.		2 - Lucid USA Inc.		5 - Air Touring AWD w/20" wheels		Federal		All Wheel Drive		Automatic	1	No				
Lucid USA, Inc.		2 - Lucid USA Inc.		5 - Air Touring AWD w/20" wheels		California + CAA Section 177 states		All 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		--		--		--		--		--		--	--	--	--	--
Official Charge Depleting Test Numbers																
Test Group Fuel				UDDS				Highway								
Electricity				RLMU10083099				RLMU10083100								

Certification Summary Information Report

Test Group	RLMUV00.0ZA2	Evaporative/Refueling Family	--
Hybrid Electric Vehicle And Fuel Cell Information			
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	660	Battery Energy Capacity	143
Battery Specific Energy	160	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	Permanent Magnet AC Motor	Rated Motor/Generator Power	129
Motor/Generator Type 2	Permanent Magnet AC Motor	Rated Motor/Generator Power	333
Mfr Fuel Cell Description	--		
Fuel Cell On-Board H2 Storage Capacity (kg)	--	Usable H2 Fill Capacity (kg)	--
Mfr Hybrid Electric/ Electric Vehicle Comments	--		

Certification Summary Information Report

Test Group	RLMUV00.0ZA2	Evaporative/Refueling Family	--
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Emission Data Vehicle Information

Vehicle ID / Configuration	202400005 / 2	Manufacturer Vehicle Configuration Number	2
Original Test Group Name	RLMUV00.0ZA2	Original Evaporative/Refueling Family	--
Original Test Vehicle Model Year	2024		
Vehicle Model			
Represented Test Vehicle Make	2024	Represented Test Vehicle Model	Lucid Air Touring AWD

Leak Family Details

Leak Family Identifier	--	Leak Family Name	--
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Drive Sources and Fuel System Details

Drive Source and Fuel#	Drive Source	Fuel
1	Electric Motor	Electricity

Hybrid Indicator	No	Multiple Fuel Combustion	--
Multiple Fuel Storage	--	Rechargeable Energy Storage System Indicator	Yes
Fuel Cell Indicator	No	Rechargeable Energy Storage System, if 'Other'	--
Rechargeable Energy Storage System	Battery(s)		
Off-board charge Capable Indicator	Yes	Odometer Correction Factor	1
Odometer Correction -- Initial	1	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles	
Odometer Correction Sign			
Odometer Correction Units	Miles	Rated Horsepower	620
Engine Code	ZA2	Air Aspiration Method, if 'Other'	
Displacement (liters)	0.001	Air Aspiration Device Configuration	--
Air Aspiration Method	Naturally Aspirated	Drive Mode While Testing	All Wheel Drive
Number of Air Aspiration Devices	--	Aged Emission Components	4,000 (mi)
Charge Air Cooler Type	--	Equivalent Test Weight (pounds)	5250
Shift Indicator Light Usage	Not equipped	N/V Ratio	86.7
Curb Weight (lbs)	4987	# of Transmission Gears	1
GVWR (lbs)	6283	Creeper Gear	No
Axle Ratio	7.06		
Transmission Type	Automatic		
Transmission Lockup	No		

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)	
City/Highway/Evap	35.4	0.1	0.01628	-7.31	0.003	0.01333	10.8
US06	35.4	0.1	0.01628	-7.31	0.003	0.01333	N/A

Certification Summary Information Report

Test Group	RLMUV00.0ZA2	Evaporative/Refueling Family	--
Emission Control Device Comments	--		
Manufacturer Test Vehicle Comments	--		
Test #	RLMU10083099	Test Procedure	81 - Charge Depleting UDDS
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	08/29/2023	Fuel	Electricity
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Assigned
Verify Test Lab ID	FEV North America Inc. Vehicle Development Center		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	2381	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

PHEV/EV Charge Depleting Test Information

Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	104.393
Charge Depleting Range (Calculated miles)	495.34	Charge Depleting Range (Actual miles)	495.34
All Electric Range Unadjusted (miles)	--	Derived 5-Cycle Coefficient Model Year	--
Equivalent All Electric Range (miles)	495.34		
Number of Charge Depleting Bags/Phases Conducted	4	Transition Bag/Phase Number	--

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	0.38
3	Drive Trace Energy Economy Rating	0.127
4	Drive Trace Inertia Work Ratio Rating	0.93
5	Manufacturer Fuel Economy	999

Manufacturer Test Comments

DC energy consumption UDDS1 = 200.89 Wh/mi; UDDS2 = 186.64 Wh/mi; UDDS3 = 175.52 Wh/mi; UDDS4 = 181.74 Wh/mi; UDDS weighted = 181.62 Wh/mi; UDDS1 DC discharge energy = 1487.19 Wh; MCT UBE energy = 92.047 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	--	--	--	--	1	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	--	1	0	--	--

Certification Summary Information Report

Test Group	RLMUV00.0ZA2	Evaporative/Refueling Family	--
Test #	RLMU10083100	Test Procedure	84 - Charge Depleting Highway
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	08/29/2023	Fuel	Electricity
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Assigned
Verify Test Lab ID	FEV North America Inc. Vehicle Development Center		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	2989	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

PHEV/EV Charge Depleting Test Information

Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	104.393
Charge Depleting Range (Calculated miles)	480	Charge Depleting Range (Actual miles)	480
All Electric Range Unadjusted (miles)	--	Derived 5-Cycle Coefficient Model Year	--
Equivalent All Electric Range (miles)	480		
Number of Charge Depleting Bags/Phases Conducted	2	Transition Bag/Phase Number	--

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	0.243
3	Drive Trace Energy Economy Rating	0.127
4	Drive Trace Inertia Work Ratio Rating	0.405
5	Manufacturer Fuel Economy	999

Manufacturer Test Comments DC energy consumption HWFE1 = 194.79 Wh/mi; HWFE2 = 188.75 Wh/mi; HWFE average = 191.77 Wh/mi

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
							Adjustment Factor					
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	--	1	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	--	1	0	--	--

Certification Summary Information Report

Test Group	RLMUV00.0ZA2	Evaporative/Refueling Family	--						
Emission Data Vehicle Information									
Vehicle ID / Configuration	202403521 / 0	Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	RLMUV00.0ZA2	Original Evaporative/Refueling Family	--						
Original Test Vehicle Model Year	2024								
Vehicle Model									
Represented Test Vehicle Make	2024	Represented Test Vehicle Model	Lucid Air Grand Touring XR						
Leak Family Details									
Leak Family Identifier	--	Leak Family Name	--						
Drive Sources and Fuel System Details									
	<table border="1"> <thead> <tr> <th>Drive Source and Fuel#</th> <th>Drive Source</th> <th>Fuel</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Electric Motor</td> <td>Electricity</td> </tr> </tbody> </table>			Drive Source and Fuel#	Drive Source	Fuel	1	Electric Motor	Electricity
Drive Source and Fuel#	Drive Source	Fuel							
1	Electric Motor	Electricity							
Hybrid Indicator	No								
Multiple Fuel Storage	--	Multiple Fuel Combustion	--						
Fuel Cell Indicator	No	Rechargeable Energy Storage System Indicator	Yes						
Rechargeable Energy Storage System	Battery(s)	Rechargeable Energy Storage System, if 'Other'	--						
Off-board charge Capable Indicator	Yes								
Odometer Correction -- Initial	1	Odometer Correction Factor	1						
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles								
Odometer Correction Units	Miles								
Engine Code	ZA2	Rated Horsepower	819						
Displacement (liters)	0.001								
Air Aspiration Method	Naturally Aspirated	Air Aspiration Method, if 'Other'							
Number of Air Aspiration Devices	--	Air Aspiration Device Configuration	--						
Charge Air Cooler Type	--	Drive Mode While Testing	All Wheel Drive						
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)						
Curb Weight (lbs)	5203	Equivalent Test Weight (pounds)	5500						
GVWR (lbs)	6283	N/V Ratio	85.7						
Axle Ratio	7.06								
Transmission Type	Automatic	# of Transmission Gears	1						
Transmission Lockup	No	Creeper Gear	No						

Certification Summary Information Report

Test Group	RLMUV00.0ZA2	Evaporative/Refueling Family	--
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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)	
City/Highway/Evap	37.2	0.1059	0.01677	-7.64	-0.0987	0.0151	11.3
Cold CO	40.92	0.1165	0.01558	-20.07	-0.1142	0.01558	N/A
US06	37.2	0.1059	0.01677	-7.64	-0.0987	0.0151	N/A

Emission Control Device Comments --
Manufacturer Test Vehicle Comments --

Test #	RLMU10083142	Test Procedure	2 - CVS 75 and later (w/o can. load)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	07/29/2023	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	Mfr. Assigned
Verify Test Lab ID	FEV North America Inc. Vehicle Development Center		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	2665	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
DT-ASCR (Drive Trace Absolute Speed Change Rating)	2.97	--
DT-EER (Drive Trace Energy Economy Rating)	0.87	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	5.09	--
MFR FE (Manufacturer Fuel Economy)	999	3.3733734

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

Manufacturer Test Comments DC energy consumption Phase 1 = 217.3 Wh/mi; Phase 2 = 180.2 Wh/mi; Phase 3 = 203.3 Wh/mi;

Certification Summary Information Report

Test Group	RLMUV00.0ZA2	Evaporative/Refueling Family	--
Test #	RLMU10083143	Test Procedure	3 - HWFE
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	07/29/2023	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	Mfr. Assigned
Verify Test Lab ID	FEV North America Inc. Vehicle Development Center		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	2665	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
DT-ASCR (Drive Trace Absolute Speed Change Rating)	2.97	--
DT-EER (Drive Trace Energy Economy Rating)	0.87	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	5.09	--
MFR FE (Manufacturer Fuel Economy)	999	3.3733734

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

Manufacturer Test Comments

DC energy consumption = 197.62 Wh/mi

Certification Summary Information Report

Test Group	RLMUV00.0ZA2	Evaporative/Refueling Family	--
Test #	RLMU10083144	Test Procedure	90 - US06
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	07/29/2023	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	Mfr. Assigned
Verify Test Lab ID	FEV North America Inc. Vehicle Development Center		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	7271	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.13	--
DT-EER (Drive Trace Energy Economy Rating)	0.2	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.62	--
MFR FE (Manufacturer Fuel Economy)	999	3.3733734
HC-NM+NOX (SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03)	999	--

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

Manufacturer Test Comments

DC energy consumption Phase 1 (Highway) = 251.93 Wh/mi; Phase 2 (City) = 272.34 Wh/mi

Certification Summary Information Report

Test Group	RLMUV00.0ZA2	Evaporative/Refueling Family	--
Test #	RLMU10083145	Test Procedure	95 - SC03
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	07/29/2023	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	Mfr. Assigned
Verify Test Lab ID	FEV North America Inc. Vehicle Development Center		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	2665	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-1.27	--
DT-EER (Drive Trace Energy Economy Rating)	-0.42	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.99	--
HC-NM+NOX (SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03)	999	--

Manufacturer Test Comments

DC energy consumption = 227.9 Wh/mi

Certification Summary Information Report

Test Group	RLMUV00.0ZA2	Evaporative/Refueling Family	--
Test #	RLMU10083146	Test Procedure	86 - Charge Depleting 20 Degree F FTP
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	07/29/2023	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	Mfr. Assigned
Verify Test Lab ID	FEV North America Inc. Vehicle Development Center		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	2665	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	87.63
Charge Depleting Range (Calculated miles)	297.8	Charge Depleting Range (Actual miles)	297.8
All Electric Range Unadjusted (miles)	--	Derived 5-Cycle Coefficient Model Year	--
Equivalent All Electric Range (miles)	297.8		
Number of Charge Depleting Bags/Phases Conducted	40	Transition Bag/Phase Number	--
Charge Depleting Bag/Phase			
	Charge Depleting Bag/Phase #	Test Result/Emission Name	Unrounded Test Result
	1	Drive Trace Absolute Speed Change Rating	0.63
	2	Drive Trace Energy Economy Rating	0.35
	3	Drive Trace Inertia Work Ratio Rating	1.67
Manufacturer Test Comments	DC energy consumption Phase 1 = 449.53 Wh/mi; Phase 3 = 384.33 Wh/mi;		
Fuel Properties			

Certification Summary Information Report

Test Group	RLMUV00.0ZA2	Evaporative/Refueling Family	--
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Consolidated List of Standards

Exhaust Standards

Cert Region	Federal	Cert/In-Use Code	Cert
Vehicle Class	LDV/Passenger Car	Standard Level	Federal Tier 3 Bin 0
Fuel	Electricity	Test Procedure	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	--	--	--	--	--	1	--	0
150,000 miles	CO-COMP	--	--	--	--	--	1	--	0
150,000 miles	CREE	--	--	--	--	--	1	--	0
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	1	--	0

Cert Region	Federal	Cert/In-Use Code	Cert
Vehicle Class	LDV/Passenger Car	Standard Level	Federal Tier 3 Bin 0
Fuel	Electricity	Test Procedure	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	--	--	--	--	--	1	--	0
150,000 miles	CO-COMP	--	--	--	--	--	1	--	0
150,000 miles	CREE	--	--	--	--	--	1	--	0
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	1	--	0

Cert Region	California + CAA Section 177 states	Cert/In-Use Code	Cert
Vehicle Class	LDV/Passenger Car	Standard Level	California ZEV
Fuel	Electricity	Test Procedure	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	--	--	--	--	--	1	--	0
150,000 miles	CO-COMP	--	--	--	--	--	1	--	0
150,000 miles	CREE	--	--	--	--	--	1	--	0
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	1	--	0

Certification Summary Information Report

Test Group		RLMUV00.0ZA2			Evaporative/Refueling Family			--		
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert		
Vehicle Class		LDV/Passenger Car			Standard Level			California ZEV		
Fuel		Electricity			Test Procedure			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	--	--	--	--	--	1	--	0	
150,000 miles	CO-COMP	--	--	--	--	--	1	--	0	
150,000 miles	CREE	--	--	--	--	--	1	--	0	
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	1	--	0	
Cert Region		Federal			Cert/In-Use Code			Cert		
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 3 Bin 0		
Fuel		Electricity			Test Procedure			CVS 75 and later (w/o can. load)		
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	--	--	--	--	--	--	--	999	
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert		
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 3 Bin 0		
Fuel		Electricity			Test Procedure			CVS 75 and later (w/o can. load)		
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	--	--	--	--	--	--	--	999	

Certification Summary Information Report

Test Group	RLMUV00.0ZA2	Evaporative/Refueling Family	--
Glossary			
Useful Life			
4	4,000 miles	120	120,000 miles
50	50,000 miles	150	150,000 miles
100	100,000 miles		
Emission Name			
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
Certification Region			
CA	California + CAA Section 177 states	FA	Federal
Exhaust Emission Standard Level			
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	RLMUV00.0ZA2	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	
Transmission Type Code				
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)	
Drive System Code				
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	RLMUV00.0ZA2	Evaporative/Refueling Family	--
Additional Terms and Acronyms			
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