

Certification Summary Information Report

Manufacturer	Wuhan Lotus Cars Co., Ltd	Manufacturer Code	WHN
Test Group	VWHNV00.0LZB	Evaporative/Refueling Family	--
Certificate Number	VWHNV00.0LZB-002	CARB Executive Order #	--
Certificate Issue Date	07/01/2026	Certificate Revision Date	--
Certificate Effective Date	07/01/2026	Conditional Certificate	No
CSI Revision #	--	CSI Submission/Revision Date	05/13/2026 04:14:59 AM
Model Year	2027		

Test Group Information

CSI Type	New	Running Change Reference Number	--
GHG Exempt Status	Not Exempt		

Drive Sources and Fuel(s)

Drive Source #1: Electric Motor

Fuel	Basic Fuel Metering System	Lean Burn Strategy Indicator
Electricity	--	--

Hybrid Indicator	No		
Multiple Fuel Storage	--	Rechargeable Energy Storage System Indicator	Yes
Multiple Fuel Combustion	--	Off-board Charge Capable Indicator	Yes
Fuel Cell Indicator	No	EPA Vehicle Class	LDV
Federal Clean Fuel Vehicle	Yes	Federal Clean Fuel Vehicle Standard	ZEV
Federal Clean Fuel Vehicle ILEV	No	California Partial Zero Emissions Vehicle Indicator	--
Durability Group Name	VWHNEEVNNLZB	Durability Group Equivalency Factor	1
Reduced Fee Test Group	No	Certification Region Code(s)	FA, CA
Complies with HD GHG 2b/3 regulations?	No		
Introduction into Commerce Date	07/11/2026	CAP2000 Conditional Certificate?	No
Independent Commercial Importer?	No	Alternative Fuel Converter Certificate?	No
SFTP Federal Composite Compliance Identifier	Not Applicable	SFTP Tier 2 Composite CO Option	--
SFTP LEV-III Composite Compliance Indicator	No		
OBD Compliance Type	CARB	OBD Demonstration Vehicle Test Group	VWHNV00.0LZB
Test Group OBD Compliance Level	Full - no deficiencies	Number of Test Group OBD Deficiencies	0
OBD Deficiencies Comments	--		
Mfr Test Group Comments	--		
Mfr Exhaust / Evap Standards Comments	--		

Certification Summary Information Report

Test Group		VWHNV00.0LZB		Evaporative/Refueling Family		--					
Models Covered by this Certificate											
Carline Manufacturer	Division	Carline	Certification Region Code(s)	Drive System	Trans - Type	- # of Gears	Trans - Lockup				
Wuhan Lotus Cars Co., Ltd	1 - Wuhan Lotus Cars	802 - ELETRE R Performance	Federal	4-Wheel Drive	Automatic	2	No				
Wuhan Lotus Cars Co., Ltd	1 - Wuhan Lotus Cars	801 - ELETRE R Long Range	California + CAA Section 177 states	4-Wheel Drive	Automatic	2	No				
Wuhan Lotus Cars Co., Ltd	1 - Wuhan Lotus Cars	801 - ELETRE R Long Range	Federal	4-Wheel Drive	Automatic	2	No				
Wuhan Lotus Cars Co., Ltd	1 - Wuhan Lotus Cars	802 - ELETRE R Performance	California + CAA Section 177 states	4-Wheel Drive	Automatic	2	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		--	--	--	--	--	--	--	--	--	--

Certification Summary Information Report

Test Group		VWHNV00.0LZB	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	708		Battery Energy Capacity	158
Battery Specific Energy	168		Battery Charger Type	On-Board
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 3ph permanent magnet rear		Rated Motor/Generator Power	450
Motor/Generator Type 2	AC 3ph permanent magnet front		Rated Motor/Generator Power	225
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	VWHNV00.0LZB	Evaporative/Refueling Family	--						
Emission Data Vehicle Information									
Vehicle ID / Configuration	GIC_C10_6101 / 0	Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	SWHNV00.0LZB	Original Evaporative/Refueling Family	--						
Original Test Vehicle Model Year	2025								
Vehicle Model									
Represented Test Vehicle Make	Lotus	Represented Test Vehicle Model	ELETRE R Performance						
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	Yes	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	0	Odometer Correction Factor	1						
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles								
Odometer Correction Units	Kilometers								
Engine Code	LZB	Rated Horsepower	905						
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)	5886	Equivalent Test Weight (pounds)	6000						
GVWR (lbs)	--	N/V Ratio	9.2						
Axle Ratio	1								
Transmission Type	Automatic	# of Transmission Gears	2						
Transmission Lockup	No	Creep Gear	No						

Certification Summary Information Report

Test Group		VWHNV00.0LZB			Evaporative/Refueling Family		--	
Dynamometer Coefficients:								
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	46.58	0.4928	0.0187	-9.89	0.0579	0.02	15.7	
Cold CO	51.24	0.542	0.0206	-24.86	-0.0329	0.0219	N/A	
US06	46.58	0.4928	0.0187	-9.89	0.0579	0.02	N/A	
Emission Control Device Comments		--						
Manufacturer Test Vehicle Comments		This is 2025 ELETRE R Performance; Front Motor Power - 225kW (EDS1 motor); Rear Motor Power - 450 kW (Zeus motor) Number of transmission gears on front motor EDS1: 1 Number of transmission gears on rear motor Zeus: 2 N/V ratio on front motor EDS1: 9.187 N/V ratio on rear motor Zeus: 1st 13.645 , 2nd 7.155						

Certification Summary Information Report

Test Group	VWHNV00.0LZB	Evaporative/Refueling Family	--
Test #	SWHN10086781	Test Procedure	2 - CVS 75 and later (w/o can. load)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	04/19/2024	Fuel	Electricity
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Assigned
Verify Test Lab ID	Applus IDIADA Automotive Technology		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	7862	Odometer Units	K
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	No		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
ACT-DISTANCE (Actual Distance Driven (miles))	14.843	--
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0	--
DT-EER (Drive Trace Energy Economy Rating)	0	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0	--
MFR FE (Manufacturer Fuel Economy)	30.78	109.502924
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

DC energy consumption Phase1 = 336.1 Wh/mi; Phase2 = 291.9 Wh/mi; Phase3 = 319.8 Wh/mi; Phase4 = 289.0 Wh/mi Drive trace indicators Ph1 ASCR (%) = 3.266; EER (%) = 2.163; IWR (%) = 3.330 Ph2 ASCR (%) = 1.606; EER (%) = 1.036; IWR (%) = 2.897 Ph3 ASCR (%) = 0.148; EER (%) = 0.697; IWR (%) = -0.034 Ph4 ASCR (%) = 1.379; EER (%) = 0.834; IWR (%) = 1.961

Certification Summary Information Report

Test Group		VWHNV00.0LZB			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 4 Bin 0	CO	0	--	--	--	0	--	0	0	Pass
Fed	150,000 miles	Federal Tier 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--

NOTE: For Non-charge depleting tests, the Rounded Result for CREE/OPT-CREE Emission names are Verify-calculated values.

Certification Summary Information Report

Test Group	VWHNV00.0LZB	Evaporative/Refueling Family	--
Test #	SWHN10086804	Test Procedure	3 - HWFE
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	04/19/2024	Fuel	Electricity
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Assigned
Verify Test Lab ID	Applus IDIADA Automotive Technology		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	7862	Odometer Units	K
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	No		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
ACT-DISTANCE (Actual Distance Driven (miles))	10.234	--
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.355	--
DT-EER (Drive Trace Energy Economy Rating)	0.126	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.984	--
MFR FE (Manufacturer Fuel Economy)	31.08	108.4459459
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

DC energy consumption = 310.8 Wh/mi

Certification Summary Information Report

Test Group		VWHNV00.0LZB			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 4 Bin 0	CO	0	--	--	--	0	--	0	0	Pass
Fed	150,000 miles	Federal Tier 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--

NOTE: For Non-charge depleting tests, the Rounded Result for CREE/OPT-CREE Emission names are Verify-calculated values.

Certification Summary Information Report

Test Group	VWHNV00.0LZB	Evaporative/Refueling Family	--
Test #	SWHN10086816	Test Procedure	90 - US06
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	04/19/2024	Fuel	Electricity
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Assigned
Verify Test Lab ID	Applus IDIADA Automotive Technology		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	7862	Odometer Units	K
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	No		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
ACT-DISTANCE (Actual Distance Driven (miles))	7.965	--
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0	--
DT-EER (Drive Trace Energy Economy Rating)	0	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0	--
MFR FE (Manufacturer Fuel Economy)	39.66	84.9848714
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

DC energy consumption Phase 1 (Highway) = 419.2 Wh/mi; Phase 2 (City) = 390.3 Wh/mi Drive trace indicators Ph city ASCR (%) = -1.618; EER (%) = 0.849; IWR (%) = -1.405 Ph hw ASCR (%) = -1.405; EER (%) = -2.732; IWR (%) = -1.694

Certification Summary Information Report

Test Group		VWHNV00.0LZB			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 4 Bin 0	CO	0	--	--	--	0	--	0	0	Pass

Certification Summary Information Report

Test Group	VWHNV00.0LZB	Evaporative/Refueling Family	--
Test #	SWHN10086820	Test Procedure	95 - SC03
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	05/02/2024	Fuel	Electricity
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Assigned
Verify Test Lab ID	Applus IDIADA Automotive Technology		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	8028	Odometer Units	K
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	No		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
ACT-DISTANCE (Actual Distance Driven (miles))	3.566	--
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.411	--
DT-EER (Drive Trace Energy Economy Rating)	0.221	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.987	--
MFR FE (Manufacturer Fuel Economy)	46.97	71.7585693
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

DC energy consumption = 469.7 Wh/mi

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Certification Summary Information Report

Test Group	VWHNV00.0LZB	Evaporative/Refueling Family	--
Test #	SWHN10086725	Test Procedure	77 - Multi-Cycle Test (MCT)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	04/16/2024	Fuel	Electricity
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Assigned
Verify Test Lab ID	Applus IDIADA Automotive Technology		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	7128	Odometer Units	K
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	230	Recharge Event Energy (kiloWatt-hours)	127.924
Charge Depleting Range (Calculated miles)	367.616	Charge Depleting Range (Actual miles)	367.616
Charge Depleting Range Highway (Calculated miles)	360.69	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	367.616
Number of Charge Depleting Bags/Phases Conducted	8	Transition Bag/Phase Number	--
Charge Depleting Bag/Phase #1			
Test Result/Emission Name		Unrounded Test Result	
Actual Distance Driven (miles)		7.469	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		5.856	
Drive Trace Energy Economy Rating		4.44	
Drive Trace Inertia Work Ratio Rating		8.248	
Integrated DC KW-HRS		2.349	
Manufacturer Fuel Economy		31.45	
Charge Depleting Bag/Phase #2			

Certification Summary Information Report

Test Group	VWHNV00.0LZB	Evaporative/Refueling Family	--
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	10.271
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	4.83
		Drive Trace Energy Economy Rating	1.767
		Drive Trace Inertia Work Ratio Rating	5.267
		Integrated DC KW-HRS	3.1565
		Manufacturer Fuel Economy	30.73
Charge Depleting Bag/Phase #3			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	7.444
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	3.922
		Drive Trace Energy Economy Rating	2.006
		Drive Trace Inertia Work Ratio Rating	4.864
		Integrated DC KW-HRS	2.2908
		Manufacturer Fuel Economy	30.77
Charge Depleting Bag/Phase #4			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	238.513
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	0
		Drive Trace Energy Economy Rating	-0.333
		Drive Trace Inertia Work Ratio Rating	0
		Integrated DC KW-HRS	87.1452
		Manufacturer Fuel Economy	36.54
Charge Depleting Bag/Phase #5			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	7.444
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	2.732
		Drive Trace Energy Economy Rating	2.913
		Drive Trace Inertia Work Ratio Rating	4.379
		Integrated DC KW-HRS	2.154
		Manufacturer Fuel Economy	28.94
Charge Depleting Bag/Phase #6			

Certification Summary Information Report

Test Group	VWHNV00.0LZB	Evaporative/Refueling Family	--																
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.265</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.024</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>1.136</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-0.175</td></tr><tr><td>Integrated DC KW-HRS</td><td>3.0819</td></tr><tr><td>Manufacturer Fuel Economy</td><td>30.02</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.265	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.024	Drive Trace Energy Economy Rating	1.136	Drive Trace Inertia Work Ratio Rating	-0.175	Integrated DC KW-HRS	3.0819	Manufacturer Fuel Economy	30.02		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	10.265																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	0.024																		
Drive Trace Energy Economy Rating	1.136																		
Drive Trace Inertia Work Ratio Rating	-0.175																		
Integrated DC KW-HRS	3.0819																		
Manufacturer Fuel Economy	30.02																		
Charge Depleting Bag/Phase #7																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.444</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>4.007</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>3.093</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>5.48</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.2031</td></tr><tr><td>Manufacturer Fuel Economy</td><td>29.6</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.444	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	4.007	Drive Trace Energy Economy Rating	3.093	Drive Trace Inertia Work Ratio Rating	5.48	Integrated DC KW-HRS	2.2031	Manufacturer Fuel Economy	29.6		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	7.444																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	4.007																		
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Drive Trace Inertia Work Ratio Rating	5.48																		
Integrated DC KW-HRS	2.2031																		
Manufacturer Fuel Economy	29.6																		
Charge Depleting Bag/Phase #8																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>19.182</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>88.51</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.817</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>82.78</td></tr><tr><td>Integrated DC KW-HRS</td><td>7.1865</td></tr><tr><td>Manufacturer Fuel Economy</td><td>37.46</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	19.182	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	88.51	Drive Trace Energy Economy Rating	-0.817	Drive Trace Inertia Work Ratio Rating	82.78	Integrated DC KW-HRS	7.1865	Manufacturer Fuel Economy	37.46		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	19.182																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	88.51																		
Drive Trace Energy Economy Rating	-0.817																		
Drive Trace Inertia Work Ratio Rating	82.78																		
Integrated DC KW-HRS	7.1865																		
Manufacturer Fuel Economy	37.46																		
Manufacturer Test Comments		MCT UBE energy = 109.570 kWh Due to the system only allows metrics between -99.99 to 99.99, '0' are input in the test results. The charge depleting bag/phase #4 real data metrics are: DT-ASCR = 560.772 DT-IWRR = 1115.138																	

Certification Summary Information Report

Test Group		VWHNV00.0LZB			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 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--

Certification Summary Information Report

Test Group	VWHNV00.0LZB	Evaporative/Refueling Family	--
Test #	SWHN10086824	Test Procedure	86 - Charge Depleting 20 Degree F FTP
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	04/30/2024	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	Mfr. Assigned
Verify Test Lab ID	Applus IDIADA Automotive Technology		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	7961	Odometer Units	K
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	No		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	230	Recharge Event Energy (kiloWatt-hours)	127.924
Charge Depleting Range (Calculated miles)	14.9	Charge Depleting Range (Actual miles)	14.9
Charge Depleting Range Highway (Calculated miles)	--	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	14.9
Number of Charge Depleting Bags/Phases Conducted	4	Transition Bag/Phase Number	--
Charge Depleting Bag/Phase #1			
Test Result/Emission Name		Unrounded Test Result	
Actual Distance Driven (miles)		3.578	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		-0.748	
Drive Trace Energy Economy Rating		-0.355	
Drive Trace Inertia Work Ratio Rating		-1.323	
Integrated DC KW-HRS		2.3063	
Manufacturer Fuel Economy		64.45	
Charge Depleting Bag/Phase #2			

Certification Summary Information Report

Test Group	VWHNV00.0LZB	Evaporative/Refueling Family	--
-------------------	--------------	------------------------------	----

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	3.839
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	0.416
Drive Trace Energy Economy Rating	-0.669
Drive Trace Inertia Work Ratio Rating	0.315
Integrated DC KW-HRS	1.9775
Manufacturer Fuel Economy	51.52

Charge Depleting Bag/Phase #3

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	3.59
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-0.665
Drive Trace Energy Economy Rating	-0.316
Drive Trace Inertia Work Ratio Rating	-0.71
Integrated DC KW-HRS	1.8024
Manufacturer Fuel Economy	50.2

Charge Depleting Bag/Phase #4

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	3.861
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	0.41
Drive Trace Energy Economy Rating	-0.312
Drive Trace Inertia Work Ratio Rating	0.911
Integrated DC KW-HRS	1.7188
Manufacturer Fuel Economy	44.52

Manufacturer Test Comments

2xUDDS 20F test +MY25 requirement. DC energy consumption Phase 1 = 644.5 Wh/mi; Phase 2 = 515.2 Wh/mi; Phase 3 = 502.0 Wh/mi; Phase 4 = 445.2 Wh/mi

Certification Summary Information Report

Test Group	VWHNV00.0LZB	Evaporative/Refueling Family	--						
Emission Data Vehicle Information									
Vehicle ID / Configuration	GIC_C10_6114 / 0	Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	SWHNV00.0LZB	Original Evaporative/Refueling Family	--						
Original Test Vehicle Model Year	2025								
Vehicle Model									
Represented Test Vehicle Make	Lotus	Represented Test Vehicle Model	ELETRE R Long Range						
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	Yes	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	0	Odometer Correction Factor	1						
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles								
Odometer Correction Units	Kilometers								
Engine Code	LZB	Rated Horsepower	905						
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)	5820	Equivalent Test Weight (pounds)	6000						
GVWR (lbs)	--	N/V Ratio	9.2						
Axle Ratio	1								
Transmission Type	Automatic	# of Transmission Gears	2						
Transmission Lockup	No	Creep Gear	No						

Certification Summary Information Report

Test Group		VWHNV00.0LZB			Evaporative/Refueling Family		--	
Dynamometer Coefficients:								
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	52.54	0.0264	0.023	-9.08	-0.0365	0.022	14.8	
Cold CO	57.79	0.0289	0.0253	-30.78	-0.2927	0.0253	N/A	
US06	52.54	0.0264	0.023	-9.08	-0.0365	0.022	N/A	
Emission Control Device Comments		--						
Manufacturer Test Vehicle Comments		This is 2025 ELETRE R Long Range; Front Motor Power - 225kW (EDS1 motor); Rear Motor Power - 450 kW (Zeus motor) Number of transmission gears on front motor EDS1: 1 Number of transmission gears on rear motor Zeus: 2 N/V ratio on front motor EDS1: 9.187 N/V ratio on rear motor Zeus: 1st 13.645 , 2nd 7.155						

Certification Summary Information Report

Test Group	VWHNV00.0LZB	Evaporative/Refueling Family	--
Test #	SWHN10086780	Test Procedure	2 - CVS 75 and later (w/o can. load)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	04/19/2024	Fuel	Electricity
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Assigned
Verify Test Lab ID	Applus IDIADA Automotive Technology		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	9423	Odometer Units	K
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	No		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
ACT-DISTANCE (Actual Distance Driven (miles))	14.88	--
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0	--
DT-EER (Drive Trace Energy Economy Rating)	0	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0	--
MFR FE (Manufacturer Fuel Economy)	29.66	113.6378962
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

DC energy consumption Phase1 = 316.5 Wh/mi; Phase2 = 286.3 Wh/mi; Phase3 = 305.8 Wh/mi; Phase4 = 281.9 Wh/mi Drive trace indicators Ph1 ASCR (%) = -1.705; EER (%) = -0.366; IWR (%) = -2.733 Ph2 ASCR (%) = 0.722; EER (%) = 0.550; IWR (%) = 1.303 Ph3 ASCR (%) = -0.868; EER (%) = -0.639; IWR (%) = -1.073 Ph4 ASCR (%) = -0.876; EER (%) = -1.133; IWR (%) = -0.902

Certification Summary Information Report

Test Group		VWHNV00.0LZB				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 4 Bin 0	CO	0	--	--	--	0	--	0	0	Pass
Fed	150,000 miles	Federal Tier 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--

NOTE: For Non-charge depleting tests, the Rounded Result for CREE/OPT-CREE Emission names are Verify-calculated values.

Certification Summary Information Report

Test Group	VWHNV00.0LZB	Evaporative/Refueling Family	--
Test #	SWHN10086803	Test Procedure	3 - HWFE
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	04/19/2024	Fuel	Electricity
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Assigned
Verify Test Lab ID	Applus IDIADA Automotive Technology		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	9423	Odometer Units	K
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	No		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
ACT-DISTANCE (Actual Distance Driven (miles))	10.246	--
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.673	--
DT-EER (Drive Trace Energy Economy Rating)	0.243	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.857	--
MFR FE (Manufacturer Fuel Economy)	29.82	113.028169
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

DC energy consumption = 298.2 Wh/mi

Certification Summary Information Report

Test Group		VWHNV00.0LZB			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 4 Bin 0	CO	0	--	--	--	0	--	0	0	Pass
Fed	150,000 miles	Federal Tier 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--

NOTE: For Non-charge depleting tests, the Rounded Result for CREE/OPT-CREE Emission names are Verify-calculated values.

Certification Summary Information Report

Test Group	VWHNV00.0LZB	Evaporative/Refueling Family	--
Test #	SWHN10086807	Test Procedure	90 - US06
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	04/19/2024	Fuel	Electricity
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Assigned
Verify Test Lab ID	Applus IDIADA Automotive Technology		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	9423	Odometer Units	K
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	No		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
ACT-DISTANCE (Actual Distance Driven (miles))	7.973	--
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0	--
DT-EER (Drive Trace Energy Economy Rating)	0	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0	--
MFR FE (Manufacturer Fuel Economy)	38.29	88.0255941
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

DC energy consumption Phase 1 (Highway) = 412.5 Wh/mi; Phase 2 (City) = 374.6 Wh/mi Drive trace indicators Ph city ASCR (%) = -2.169; EER (%) = -0.163; IWR (%) = -2.055 Ph hw ASCR (%) = -2.612; EER (%) = -3.261; IWR (%) = -3.331

Certification Summary Information Report

Test Group		VWHNV00.0LZB			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 4 Bin 0	CO	0	--	--	--	0	--	0	0	Pass

Certification Summary Information Report

Test Group	VWHNV00.0LZB	Evaporative/Refueling Family	--
Test #	SWHN10086819	Test Procedure	95 - SC03
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	04/24/2024	Fuel	Electricity
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Assigned
Verify Test Lab ID	Applus IDIADA Automotive Technology		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	9589	Odometer Units	K
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	No		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
ACT-DISTANCE (Actual Distance Driven (miles))	3.568	--
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	1.077	--
DT-EER (Drive Trace Energy Economy Rating)	1.877	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	2.495	--
MFR FE (Manufacturer Fuel Economy)	43.62	77.2696011
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

DC energy consumption = 436.2 Wh/mi

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Certification Summary Information Report

Test Group	VWHNV00.0LZB	Evaporative/Refueling Family	--
Test #	SWHN10086682	Test Procedure	77 - Multi-Cycle Test (MCT)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	04/11/2024	Fuel	Electricity
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Assigned
Verify Test Lab ID	Applus IDIADA Automotive Technology		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	8816	Odometer Units	K
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	230	Recharge Event Energy (kiloWatt-hours)	128.301
Charge Depleting Range (Calculated miles)	383.559	Charge Depleting Range (Actual miles)	383.559
Charge Depleting Range Highway (Calculated miles)	373.593	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	383.559
Number of Charge Depleting Bags/Phases Conducted	8	Transition Bag/Phase Number	--
Charge Depleting Bag/Phase #1			
Test Result/Emission Name		Unrounded Test Result	
Actual Distance Driven (miles)		7.413	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		-0.99	
Drive Trace Energy Economy Rating		-1.119	
Drive Trace Inertia Work Ratio Rating		-2.609	
Integrated DC KW-HRS		2.2834	
Manufacturer Fuel Economy		30.8	
Charge Depleting Bag/Phase #2			

Certification Summary Information Report

Test Group	VWHNV00.0LZB	Evaporative/Refueling Family	--
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	10.253
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	-3.352
		Drive Trace Energy Economy Rating	-0.331
		Drive Trace Inertia Work Ratio Rating	-4.849
		Integrated DC KW-HRS	3.0852
		Manufacturer Fuel Economy	30.09
Charge Depleting Bag/Phase #3			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	7.419
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	-0.47
		Drive Trace Energy Economy Rating	-0.29
		Drive Trace Inertia Work Ratio Rating	-0.842
		Integrated DC KW-HRS	2.2095
		Manufacturer Fuel Economy	29.78
Charge Depleting Bag/Phase #4			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	242.926
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	0
		Drive Trace Energy Economy Rating	-0.204
		Drive Trace Inertia Work Ratio Rating	0
		Integrated DC KW-HRS	87.4922
		Manufacturer Fuel Economy	36.02
Charge Depleting Bag/Phase #5			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	7.407
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	-0.187
		Drive Trace Energy Economy Rating	-0.471
		Drive Trace Inertia Work Ratio Rating	-0.315
		Integrated DC KW-HRS	2.0386
		Manufacturer Fuel Economy	27.52
Charge Depleting Bag/Phase #6			

Certification Summary Information Report

Test Group	VWHNV00.0LZB	Evaporative/Refueling Family	--																
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.253</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-2.303</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.038</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-3.108</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.9631</td></tr><tr><td>Manufacturer Fuel Economy</td><td>28.9</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.253	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-2.303	Drive Trace Energy Economy Rating	0.038	Drive Trace Inertia Work Ratio Rating	-3.108	Integrated DC KW-HRS	2.9631	Manufacturer Fuel Economy	28.9		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	10.253																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	-2.303																		
Drive Trace Energy Economy Rating	0.038																		
Drive Trace Inertia Work Ratio Rating	-3.108																		
Integrated DC KW-HRS	2.9631																		
Manufacturer Fuel Economy	28.9																		
Charge Depleting Bag/Phase #7																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.413</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-0.391</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-1.321</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-0.55</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.1314</td></tr><tr><td>Manufacturer Fuel Economy</td><td>28.75</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.413	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-0.391	Drive Trace Energy Economy Rating	-1.321	Drive Trace Inertia Work Ratio Rating	-0.55	Integrated DC KW-HRS	2.1314	Manufacturer Fuel Economy	28.75		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	7.413																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	-0.391																		
Drive Trace Energy Economy Rating	-1.321																		
Drive Trace Inertia Work Ratio Rating	-0.55																		
Integrated DC KW-HRS	2.1314																		
Manufacturer Fuel Economy	28.75																		
Charge Depleting Bag/Phase #8																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>21.972</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>47.694</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-1.015</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>21.518</td></tr><tr><td>Integrated DC KW-HRS</td><td>7.9925</td></tr><tr><td>Manufacturer Fuel Economy</td><td>36.38</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	21.972	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	47.694	Drive Trace Energy Economy Rating	-1.015	Drive Trace Inertia Work Ratio Rating	21.518	Integrated DC KW-HRS	7.9925	Manufacturer Fuel Economy	36.38		
Test Result/Emission Name	Unrounded Test Result																		
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Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	47.694																		
Drive Trace Energy Economy Rating	-1.015																		
Drive Trace Inertia Work Ratio Rating	21.518																		
Integrated DC KW-HRS	7.9925																		
Manufacturer Fuel Economy	36.38																		
Manufacturer Test Comments		MCT UBE energy = 110.195 kWh Due to the system only allows metrics between -99.99 to 99.99, '0' are input in the test results. The charge depleting bag/phase #4 real data metrics are: DT-ASCR = 479.091 DT-IWRR = 956.074																	

Certification Summary Information Report

Test Group		VWHNV00.0LZB				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 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--

Certification Summary Information Report

Test Group	VWHNV00.0LZB	Evaporative/Refueling Family	--
Test #	SWHN10086823	Test Procedure	86 - Charge Depleting 20 Degree F FTP
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	04/23/2024	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	Mfr. Assigned
Verify Test Lab ID	Applus IDIADA Automotive Technology		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	9523	Odometer Units	K
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	No		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	230	Recharge Event Energy (kiloWatt-hours)	128.301
Charge Depleting Range (Calculated miles)	14.9	Charge Depleting Range (Actual miles)	14.9
Charge Depleting Range Highway (Calculated miles)	--	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	14.9
Number of Charge Depleting Bags/Phases Conducted	4	Transition Bag/Phase Number	--
Charge Depleting Bag/Phase #1			
Test Result/Emission Name		Unrounded Test Result	
Actual Distance Driven (miles)		3.595	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		-1.73	
Drive Trace Energy Economy Rating		-1.372	
Drive Trace Inertia Work Ratio Rating		-2.117	
Integrated DC KW-HRS		2.413	
Manufacturer Fuel Economy		67.13	
Charge Depleting Bag/Phase #2			

Certification Summary Information Report

Test Group	VWHNV00.0LZB	Evaporative/Refueling Family	--																
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>3.844</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-0.614</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-1.54</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-0.517</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.0847</td></tr><tr><td>Manufacturer Fuel Economy</td><td>54.24</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	3.844	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-0.614	Drive Trace Energy Economy Rating	-1.54	Drive Trace Inertia Work Ratio Rating	-0.517	Integrated DC KW-HRS	2.0847	Manufacturer Fuel Economy	54.24		
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Manufacturer Fuel Economy	54.24																		
Charge Depleting Bag/Phase #3																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>3.585</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-1.024</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.794</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-1.5</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.876</td></tr><tr><td>Manufacturer Fuel Economy</td><td>52.33</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	3.585	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-1.024	Drive Trace Energy Economy Rating	-0.794	Drive Trace Inertia Work Ratio Rating	-1.5	Integrated DC KW-HRS	1.876	Manufacturer Fuel Economy	52.33		
Test Result/Emission Name	Unrounded Test Result																		
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Integrated DC KW-HRS	1.876																		
Manufacturer Fuel Economy	52.33																		
Charge Depleting Bag/Phase #4																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>3.858</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-1.429</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-2.08</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-1.942</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.8382</td></tr><tr><td>Manufacturer Fuel Economy</td><td>47.65</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	3.858	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-1.429	Drive Trace Energy Economy Rating	-2.08	Drive Trace Inertia Work Ratio Rating	-1.942	Integrated DC KW-HRS	1.8382	Manufacturer Fuel Economy	47.65		
Test Result/Emission Name	Unrounded Test Result																		
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Drive Trace Energy Economy Rating	-2.08																		
Drive Trace Inertia Work Ratio Rating	-1.942																		
Integrated DC KW-HRS	1.8382																		
Manufacturer Fuel Economy	47.65																		
Manufacturer Test Comments	2xUDDS 20F test +MY25 requirement. DC energy consumption Phase 1 = 671.3 Wh/mi; Phase 2 = 542.4 Wh/mi; Phase 3 = 523.3 Wh/mi; Phase 4 = 476.5 Wh/mi																		
Fuel Properties																			

Certification Summary Information Report

Test Group		VWHNV00.0LZB			Evaporative/Refueling Family			--	
Consolidated List of Standards									
Exhaust Standards									
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 20 Degree F FTP	
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	CREE	--	--	--	--	--	--	0	0
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 4 Bin 0	
Fuel		Electricity			Test Procedure			SC03	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
120,000 miles	CREE	--	--	--	--	--	--	0	0
150,000 miles	CO	--	--	--	--	--	--	0	0
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 4 Bin 0	
Fuel		Electricity			Test Procedure			HWFE	
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	CREE	--	--	--	--	--	--	0	0
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 4 Bin 0	
Fuel		Electricity			Test Procedure			Charge Depleting 20 Degree F FTP	
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	CREE	--	--	--	--	--	--	0	0

Certification Summary Information Report

Test Group		VWHNV00.0LZB			Evaporative/Refueling Family			--	
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 4 Bin 0	
Fuel		Electricity			Test Procedure			US06	
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	CREE	--	--	--	--	--	--	0	0
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 4 Bin 0	
Fuel		Electricity			Test Procedure			Multi-Cycle Test (MCT)	
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	CREE	--	--	--	--	--	--	0	0
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 4 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	--	--	--	--	--	--	0	0
150,000 miles	CREE	--	--	--	--	--	--	0	0

Certification Summary Information Report

Test Group		VWHNV00.0LZB	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		COMB-CREE	Combined Carbon-Related Exhaust Emissions	
CO	Carbon Monoxide		COMB-OPT-CREE	Combined Optional Carbon-Related Exhaust Emissions	
CO2	Carbon dioxide		HC-TOTAL-EQUIV	Total Hydrocarbon equivalent - Evap only	
CREE	Carbon-Related Exhaust Emissions		METHANE-COMB	Combined CH4 for HD 2b/3 vehicles only	
OPT-CREE	Optional Carbon-Related Exhaust Emissions		N2O-COMB	Combined Nitrous Oxide for HD 2b/3 vehicles only	
NOX	Nitrogen Oxide		LEAK-DIA	Effective Leak Diameter (inches)	
PM	Particulate Matter		LEAK-GAS CAP	Gas Cap Leakage (cc/min)	
PM-COMP	SFTP Composite Particulate Matter		CO2-COMB	Combined Carbon Dioxide for HD 2b/3 Vehicles Only	
HC-NM	Non-methane Hydrocarbon		KW-HRS	Integrated DC KW-HRS	
OMHCE	Organic material Hydrocarbon Equivalent		CH4 BAG 1	Bag 1 Methane	
OMNMHCE	Organic material non-methane HC equivalent		CH4 BAG 2	Bag 2 Methane	
NMOG	Non-methane organic gases		CH4 BAG 3	Bag 3 Methane	
HCHO	Formaldehyde		CH4 BAG 4	Bag 4 Methane	
H3C2HO	Acetaldehyde		CO BAG 1	Bag 1 Carbon Monoxide	
HC-NM+NOX	SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03		CO BAG 2	Bag 2 Carbon Monoxide	
HC-NM+NOX-COMP	SFTP Composite Non-methane Hydrocarbon + Nitrogen Oxides		CO BAG 3	Bag 3 Carbon Monoxide	
CO-COMP	SFTP Composite Carbon Monoxide		CO BAG 4	Bag 4 Carbon Monoxide	
ETHANOL	C2H5OH - Ethanol		NMOG BAG 1	Bag 1 Non-methane organic gases	
FE BAG 1	Bag 1 Fuel Economy		NMOG BAG 2	Bag 2 Non-methane organic gases	
FE BAG 2	Bag 2 Fuel Economy		NMOG BAG 3	Bag 3 Non-methane organic gases	
FE BAG 3	Bag 3 Fuel Economy		NMOG BAG 4	Bag 4 Non-methane organic gases	
FE BAG 4	Bag 4 Fuel Economy		ACT-DISTANCE BAG 1	Bag 1 Actual Distance	
MFR FE	Manufacturer Fuel Economy		ACT-DISTANCE BAG 2	Bag 2 Actual Distance	
HC	Hydrocarbon for Running Loss and ORVR		ACT-DISTANCE BAG 3	Bag 3 Actual Distance	
METHANE	CH4 - Methane		ACT-DISTANCE BAG 4	Bag 4 Actual Distance	
METHANOL	CH3OH - Methanol		HC-TOTAL BAG 1	Bag 1 Total Hydrocarbon	
N2O	Nitrous Oxide		HC-TOTAL BAG 2	Bag 2 Total Hydrocarbon	
SPITBACK	Spitback Hydrocarbon in grams		HC-TOTAL BAG 3	Bag 3 Total Hydrocarbon	
AMP-HRS	Integrated Amp-hours		HC-TOTAL BAG 4	Bag 4 Total Hydrocarbon	
START-SOC	System Start State of Charge Watt-hours		WATT-HRS BAG 1	Bag 1 Watt Hours	
END-SOC	System End State of Charge Watt-hours		WATT-HRS BAG 2	Bag 2 Watt Hours	

Certification Summary Information Report

Test Group		VWHNV00.0LZB	Evaporative/Refueling Family		--
ACT-DISTANCE	Actual Distance Driven (miles)		WATT-HRS BAG 3	Bag 3 Watt Hours	
AS-VOLT	Average System Voltage		WATT-HRS BAG 4	Bag 4 Watt Hours	
CO2 BAG 1	Bag 1 Carbon Dioxide		WATT-HRS	Watt Hours	
CO2 BAG 2	Bag 2 Carbon Dioxide		HC-NM BAG 1	Bag 1 Non-methane Hydrocarbon	
CO2 BAG 3	Bag 3 Carbon Dioxide		HC-NM BAG 2	Bag 2 Non-methane Hydrocarbon	
CO2 BAG 4	Bag 4 Carbon Dioxide		HC-NM BAG 3	Bag 3 Non-methane Hydrocarbon	
NMOG+NOX	Non-methane organic gases plus Nitrogen Oxides		HC-NM BAG 4	Bag 4 Non-methane Hydrocarbon	
NMOG+NOX-COMP	SFTP Composite Non-methane Organic Gases + Nitrogen Oxides		N2O BAG 1	Bag 1 Nitrous Oxide	
DT-IWRR	Drive Trace Inertia Work Ratio Rating		N2O BAG 2	Bag 2 Nitrous Oxide	
DT-ASCR	Drive Trace Absolute Speed Change Rating		N2O BAG 3	Bag 3 Nitrous Oxide	
DT-EER	Drive Trace Energy Economy Rating		N2O BAG 4	Bag 4 Nitrous Oxide	
Certification Region					
CA	California + CAA Section 177 states		FA	Federal	
Exhaust Emission Standard Level					
B1	Federal Tier 2 Bin 1		HDV2B340	Federal Tier 3 HD Class 2b Transitional Bin 340	
B2	Federal Tier 2 Bin 2		HDV2B250	Federal Tier 3 HD Class 2b Bin 250	
B3	Federal Tier 2 Bin 3		HDV2B200	Federal Tier 3 HD Class 2b Bin 200	
B4	Federal Tier 2 Bin 4		HDV2B170	Federal Tier 3 HD Class 2b Bin 170	
B5	Federal Tier 2 Bin 5		HDV2B150	Federal Tier 3 HD Class 2b Bin 150	
B6	Federal Tier 2 Bin 6		HDV2B0	Federal Tier 3 HD Class 2b Bin 0	
B7	Federal Tier 2 Bin 7		HDV3B630	Federal Tier 3 HD Class 3 Transitional Bin 630	
B8	Federal Tier 2 Bin 8		HDV3B570	Federal Tier 3 HD Class 3 Transitional Bin 570	
B9	Federal Tier 2 Bin 9		HDV3B400	Federal Tier 3 HD Class 3 Bin 400	
B10	Federal Tier 2 Bin 10		HDV3B270	Federal Tier 3 HD Class 3 Bin 270	
B11	Federal Tier 2 Bin 11		HDV3B230	Federal Tier 3 HD Class 3 Bin 230	
HDV1	HDV1 (Federal HD chassis Class 2b GVW 8501-10000)		HDV3B200	Federal Tier 3 HD Class 3 Bin 200	
HDV2	HDV2 (Federal HD chassis Class 3 GVW 10001-14000)		HDV3B0	Federal Tier 3 HD Class 3 Bin 0	
L2	California LEV-II LEV		L4SULEV100	California LEV-IV SULEV100	
L2OP	California LEV-II LEV Optional		L4SULEV125	California LEV-IV SULEV125	
U2	California LEV-II ULEV		L4SULEV15	California LEV-IV SULEV15	
S2	California LEV-II SULEV		L4SULEV150	California LEV-IV SULEV150	
ZEV	California ZEV		L4SULEV170	California LEV-IV SULEV170	
OT	Other		L4SULEV175	California LEV-IV SULEV175	
T1	Federal Tier 1		L4SULEV20	California LEV-IV SULEV20	
PZEV	California PZEV		L4SULEV200	California LEV-IV SULEV200	
L2LEV160	California LEV-II LEV160		L4SULEV230	California LEV-IV SULEV230	
L2ULEV125	California LEV-II ULEV125		L4SULEV25	California LEV-IV SULEV25	
L2SULEV30	California LEV-II SULEV30		L4SULEV30	California LEV-IV SULEV30	
L2LEV395	California LEV-II LEV395		L4SULEV75	California LEV-IV SULEV75	

Certification Summary Information Report

Test Group		VWHNV00.0LZB	Evaporative/Refueling Family		--
L2ULEV340	California LEV-II ULEV340		L4SULEV85	California LEV-IV SULEV85	
L2LEV630	California LEV-II LEV630		L4ULEV125	California LEV-IV ULEV125	
L2ULEV570	California LEV-II ULEV570		L4ULEV200	California LEV-IV ULEV200	
L3LEV160	California LEV-III LEV160		L4ULEV250	California LEV-IV ULEV250	
L3ULEV125	California LEV-III ULEV125		L4ULEV270	California LEV-IV ULEV270	
L3ULEV70	California LEV-III ULEV70		L4ULEV40	California LEV-IV ULEV40	
L3ULEV50	California LEV-III ULEV50		L4ULEV400	California LEV-IV ULEV400	
L3SULEV30	California LEV-III SULEV30		L4ULEV50	California LEV-IV ULEV50	
L3SULEV20	California LEV-III SULEV20		L4ULEV60	California LEV-IV ULEV60	
L3LEV395	California LEV-III LEV395		L4ULEV70	California LEV-IV ULEV70	
L3ULEV340	California LEV-III ULEV340		T4B170	Federal Tier 4 MDV Bin 170	
L3ULEV250	California LEV-III ULEV250		T4B150	Federal Tier 4 MDV Bin 150	
L3ULEV200	California LEV-III ULEV200		T4B125	Federal Tier 4 MDV Bin 125	
L3SULEV170	California LEV-III SULEV170		T4B100	Federal Tier 4 MDV Bin 100	
L3SULEV150	California LEV-III SULEV150		T4B85	Federal Tier 4 MDV Bin 85	
L3LEV630	California LEV-III LEV630		T4B75	Federal Tier 4 MDV Bin 75	
L3ULEV570	California LEV-III ULEV570		T4B70	Federal Tier 4 Bin 70	
L3ULEV400	California LEV-III ULEV400		T4B65	Federal Tier 4 Bin 65	
L3ULEV270	California LEV-III ULEV270		T4B60	Federal Tier 4 Bin 60	
L3SULEV230	California LEV-III SULEV230		T4B55	Federal Tier 4 Bin 55	
L3SULEV200	California LEV-III SULEV200		T4B50	Federal Tier 4 Bin 50	
T3B160	Federal Tier 3 Bin 160		T4B45	Federal Tier 4 Bin 45	
T3B125	Federal Tier 3 Bin 125		T4B40	Federal Tier 4 Bin 40	
T3B110	Federal Tier 3 Transitional Bin 110		T4B35	Federal Tier 4 Bin 35	
T3B85	Federal Tier 3 Transitional Bin 85		T4B30	Federal Tier 4 Bin 30	
T3SULEV30	Federal Tier 3 Transitional LEV-II SULEV30 Carryover		T4B25	Federal Tier 4 Bin 25	
T3B70	Federal Tier 3 Bin 70		T4B20	Federal Tier 4 Bin 20	
T3B50	Federal Tier 3 Bin 50		T4B15	Federal Tier 4 Bin 15	
T3B30	Federal Tier 3 Bin 30		T4B10	Federal Tier 4 Bin 10	
T3B20	Federal Tier 3 Bin 20		T4B5	Federal Tier 4 Bin 5	
T3B0	Federal Tier 3 Bin 0		T4B0	Federal Tier 4 Bin 0	
HDV2B395	Federal Tier 3 HD Class 2b Transitional Bin 395				
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		

Certification Summary Information Report

Test Group		VWHNV00.0LZB	Evaporative/Refueling Family		--
F	2-Wheel Drive, Front		A	All Wheel Drive	
R	2-Wheel Drive, Rear				
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	