

Certification Summary Information Report

Manufacturer	Hyundai Motor Company	Manufacturer Code	HYX
Test Group	VHYXV00.0301	Evaporative/Refueling Family	--
Certificate Number	VHYXV00.0301-005	CARB Executive Order #	--
Certificate Issue Date	03/04/2026	Certificate Revision Date	--
Certificate Effective Date	03/04/2026	Conditional Certificate	No
CSI Revision #	--	CSI Submission/Revision Date	01/20/2026 09:31:39 PM
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	No	Federal Clean Fuel Vehicle Standard	--
Federal Clean Fuel Vehicle ILEV	--	California Partial Zero Emissions Vehicle Indicator	No
Durability Group Name	VHYXEEENN301	Durability Group Equivalency Factor	1.0
Reduced Fee Test Group	No	Certification Region Code(s)	FA, CA
Complies with HD GHG 2b/3 regulations?	No		
Introduction into Commerce Date	05/15/2026	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	No
SFTP LEV-III Composite Compliance Indicator	No		
OBD Compliance Type	CARB	OBD Demonstration Vehicle Test Group	VHYXV00.0301
Test Group OBD Compliance Level	Full - no deficiencies	Number of Test Group OBD Deficiencies	0
OBD Deficiencies Comments	Battery Electric Vehicle is exempted from OBD compliance.		
Mfr Test Group Comments	--		
Mfr Exhaust / Evap Standards Comments	--		

Certification Summary Information Report

Test Group	VHYXV00.0301	Evaporative/Refueling Family	--
-------------------	--------------	-------------------------------------	----

Models Covered by this Certificate

Carline Manufacturer	Division	Carline	Certification Region Code(s)	Drive System	Trans - Type	- # of Gears	Trans - Lockup
Hyundai Motor Company	2 - GENESIS	202 - GV60 AWD Advanced with 20"	Federal	All Wheel Drive	Automatic	1	No
Hyundai Motor Company	2 - GENESIS	201 - GV60 AWD with 19"	Federal	All Wheel Drive	Automatic	1	No
Hyundai Motor Company	2 - GENESIS	202 - GV60 AWD Advanced with 20"	California + CAA Section 177 states	All Wheel Drive	Automatic	1	No
Hyundai Motor Company	2 - GENESIS	201 - GV60 AWD with 19"	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		--	--	--	--	--	--	--	--	--	--

Certification Summary Information Report

Test Group	VHYXV00.0301	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	697	Battery Energy Capacity	120.6
Battery Specific Energy	175.6	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	IPMSM	Rated Motor/Generator Power	160
Motor/Generator Type 2	IPMSM	Rated Motor/Generator Power	74
Mfr Fuel Cell Description	--		
Fuel Cell On-Board H2 Storage Capacity (kg)	--	Usable H2 Fill Capacity (kg)	--
Mfr Hybrid Electric/ Electric Vehicle Comments	IPMSM : Interior Permanent Magnet Synchronous Motor		

Certification Summary Information Report

Test Group	VHYXV00.0301	Evaporative/Refueling Family	--
-------------------	--------------	-------------------------------------	----

Emission Data Vehicle Information

Vehicle ID / Configuration	JW1-KU5SSER019A / 0	Manufacturer Vehicle Configuration Number	0
Original Test Group Name	THYXV00.0301	Original Evaporative/Refueling Family	--
Original Test Vehicle Model Year	2026		
Vehicle Model			
Represented Test Vehicle Make	Genesis	Represented Test Vehicle Model	GV60 AWD with 19"

Leak Family Details

Leak Family Identifier	--	Leak Family Name	--
------------------------	----	------------------	----

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	0.9979
Odometer Correction -- Initial	0	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles	
Odometer Correction Sign			
Odometer Correction Units	Miles	Rated Horsepower	314
Engine Code	EM07	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)	5000
Shift Indicator Light Usage	Not equipped	N/V Ratio	127.1
Curb Weight (lbs)	4729	# of Transmission Gears	1
GVWR (lbs)	5776	Creeper Gear	No
Axle Ratio	4.71		
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	36.257	0.00637	0.021685	1.689	0.00261	0.019423	12.1

Emission Control Device Comments This vehicle have two motors (front : 99hp / rear : 215hp)

Certification Summary Information Report

Test Group	VHYXV00.0301	Evaporative/Refueling Family	--
Manufacturer Test Vehicle Comments	GV60(JW) 2 motors(73.9kW+160kW)19in.		

Certification Summary Information Report

Test Group	VHYXV00.0301	Evaporative/Refueling Family	--
Test #	THYX10089336	Test Procedure	77 - Multi-Cycle Test (MCT)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	02/11/2025	Fuel	Electricity
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	772-1, Jangduck-Dong		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3337	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
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	220	Recharge Event Energy (kiloWatt-hours)	95.7906
Charge Depleting Range (Calculated miles)	434.949	Charge Depleting Range (Actual miles)	434.949
Charge Depleting Range Highway (Calculated miles)	378.236	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	434.949
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)		7.443	
Carbon Monoxide		0	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		-1.11	
Drive Trace Energy Economy Rating		-1.18	
Drive Trace Inertia Work Ratio Rating		-0.78	
Integrated DC KW-HRS		1.55637	
Manufacturer Fuel Economy		20.91052	
Charge Depleting Bag/Phase #2			

Certification Summary Information Report

Test Group	VHYXV00.0301	Evaporative/Refueling Family	--																		
<table border="1"> <thead> <tr> <th>Test Result/Emission Name</th> <th>Unrounded Test Result</th> </tr> </thead> <tbody> <tr> <td>Actual Distance Driven (miles)</td> <td>10.254</td> </tr> <tr> <td>Carbon Monoxide</td> <td>0</td> </tr> <tr> <td>Carbon-Related Exhaust Emissions</td> <td>0</td> </tr> <tr> <td>Drive Trace Absolute Speed Change Rating</td> <td>3.25</td> </tr> <tr> <td>Drive Trace Energy Economy Rating</td> <td>0.43</td> </tr> <tr> <td>Drive Trace Inertia Work Ratio Rating</td> <td>4.29</td> </tr> <tr> <td>Integrated DC KW-HRS</td> <td>2.34412</td> </tr> <tr> <td>Manufacturer Fuel Economy</td> <td>22.860542</td> </tr> </tbody> </table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.254	Carbon Monoxide	0	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	3.25	Drive Trace Energy Economy Rating	0.43	Drive Trace Inertia Work Ratio Rating	4.29	Integrated DC KW-HRS	2.34412	Manufacturer Fuel Economy	22.860542
Test Result/Emission Name	Unrounded Test Result																				
Actual Distance Driven (miles)	10.254																				
Carbon Monoxide	0																				
Carbon-Related Exhaust Emissions	0																				
Drive Trace Absolute Speed Change Rating	3.25																				
Drive Trace Energy Economy Rating	0.43																				
Drive Trace Inertia Work Ratio Rating	4.29																				
Integrated DC KW-HRS	2.34412																				
Manufacturer Fuel Economy	22.860542																				
Charge Depleting Bag/Phase #3																					
<table border="1"> <thead> <tr> <th>Test Result/Emission Name</th> <th>Unrounded Test Result</th> </tr> </thead> <tbody> <tr> <td>Actual Distance Driven (miles)</td> <td>7.445</td> </tr> <tr> <td>Carbon Monoxide</td> <td>0</td> </tr> <tr> <td>Carbon-Related Exhaust Emissions</td> <td>0</td> </tr> <tr> <td>Drive Trace Absolute Speed Change Rating</td> <td>-1.29</td> </tr> <tr> <td>Drive Trace Energy Economy Rating</td> <td>-1.42</td> </tr> <tr> <td>Drive Trace Inertia Work Ratio Rating</td> <td>-0.99</td> </tr> <tr> <td>Integrated DC KW-HRS</td> <td>1.48178</td> </tr> <tr> <td>Manufacturer Fuel Economy</td> <td>19.903022</td> </tr> </tbody> </table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.445	Carbon Monoxide	0	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-1.29	Drive Trace Energy Economy Rating	-1.42	Drive Trace Inertia Work Ratio Rating	-0.99	Integrated DC KW-HRS	1.48178	Manufacturer Fuel Economy	19.903022
Test Result/Emission Name	Unrounded Test Result																				
Actual Distance Driven (miles)	7.445																				
Carbon Monoxide	0																				
Carbon-Related Exhaust Emissions	0																				
Drive Trace Absolute Speed Change Rating	-1.29																				
Drive Trace Energy Economy Rating	-1.42																				
Drive Trace Inertia Work Ratio Rating	-0.99																				
Integrated DC KW-HRS	1.48178																				
Manufacturer Fuel Economy	19.903022																				
Charge Depleting Bag/Phase #4																					
<table border="1"> <thead> <tr> <th>Test Result/Emission Name</th> <th>Unrounded Test Result</th> </tr> </thead> <tbody> <tr> <td>Actual Distance Driven (miles)</td> <td>231.569</td> </tr> <tr> <td>Carbon Monoxide</td> <td>0</td> </tr> <tr> <td>Carbon-Related Exhaust Emissions</td> <td>0</td> </tr> <tr> <td>Drive Trace Absolute Speed Change Rating</td> <td>0</td> </tr> <tr> <td>Drive Trace Energy Economy Rating</td> <td>0</td> </tr> <tr> <td>Drive Trace Inertia Work Ratio Rating</td> <td>0</td> </tr> <tr> <td>Integrated DC KW-HRS</td> <td>66.177074</td> </tr> <tr> <td>Manufacturer Fuel Economy</td> <td>28.577691</td> </tr> </tbody> </table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	231.569	Carbon Monoxide	0	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0	Drive Trace Energy Economy Rating	0	Drive Trace Inertia Work Ratio Rating	0	Integrated DC KW-HRS	66.177074	Manufacturer Fuel Economy	28.577691
Test Result/Emission Name	Unrounded Test Result																				
Actual Distance Driven (miles)	231.569																				
Carbon Monoxide	0																				
Carbon-Related Exhaust Emissions	0																				
Drive Trace Absolute Speed Change Rating	0																				
Drive Trace Energy Economy Rating	0																				
Drive Trace Inertia Work Ratio Rating	0																				
Integrated DC KW-HRS	66.177074																				
Manufacturer Fuel Economy	28.577691																				
Charge Depleting Bag/Phase #5																					

Certification Summary Information Report

Test Group	VHYXV00.0301	Evaporative/Refueling Family	--																		
<table border="1"> <thead> <tr> <th>Test Result/Emission Name</th> <th>Unrounded Test Result</th> </tr> </thead> <tbody> <tr> <td>Actual Distance Driven (miles)</td> <td>7.446</td> </tr> <tr> <td>Carbon Monoxide</td> <td>0</td> </tr> <tr> <td>Carbon-Related Exhaust Emissions</td> <td>0</td> </tr> <tr> <td>Drive Trace Absolute Speed Change Rating</td> <td>-1.45</td> </tr> <tr> <td>Drive Trace Energy Economy Rating</td> <td>-1.53</td> </tr> <tr> <td>Drive Trace Inertia Work Ratio Rating</td> <td>-1.17</td> </tr> <tr> <td>Integrated DC KW-HRS</td> <td>1.445323</td> </tr> <tr> <td>Manufacturer Fuel Economy</td> <td>19.410731</td> </tr> </tbody> </table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.446	Carbon Monoxide	0	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-1.45	Drive Trace Energy Economy Rating	-1.53	Drive Trace Inertia Work Ratio Rating	-1.17	Integrated DC KW-HRS	1.445323	Manufacturer Fuel Economy	19.410731
Test Result/Emission Name	Unrounded Test Result																				
Actual Distance Driven (miles)	7.446																				
Carbon Monoxide	0																				
Carbon-Related Exhaust Emissions	0																				
Drive Trace Absolute Speed Change Rating	-1.45																				
Drive Trace Energy Economy Rating	-1.53																				
Drive Trace Inertia Work Ratio Rating	-1.17																				
Integrated DC KW-HRS	1.445323																				
Manufacturer Fuel Economy	19.410731																				
Charge Depleting Bag/Phase #6																					
<table border="1"> <thead> <tr> <th>Test Result/Emission Name</th> <th>Unrounded Test Result</th> </tr> </thead> <tbody> <tr> <td>Actual Distance Driven (miles)</td> <td>10.254</td> </tr> <tr> <td>Carbon Monoxide</td> <td>0</td> </tr> <tr> <td>Carbon-Related Exhaust Emissions</td> <td>0</td> </tr> <tr> <td>Drive Trace Absolute Speed Change Rating</td> <td>3.59</td> </tr> <tr> <td>Drive Trace Energy Economy Rating</td> <td>0.45</td> </tr> <tr> <td>Drive Trace Inertia Work Ratio Rating</td> <td>4.77</td> </tr> <tr> <td>Integrated DC KW-HRS</td> <td>2.284888</td> </tr> <tr> <td>Manufacturer Fuel Economy</td> <td>22.282894</td> </tr> </tbody> </table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.254	Carbon Monoxide	0	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	3.59	Drive Trace Energy Economy Rating	0.45	Drive Trace Inertia Work Ratio Rating	4.77	Integrated DC KW-HRS	2.284888	Manufacturer Fuel Economy	22.282894
Test Result/Emission Name	Unrounded Test Result																				
Actual Distance Driven (miles)	10.254																				
Carbon Monoxide	0																				
Carbon-Related Exhaust Emissions	0																				
Drive Trace Absolute Speed Change Rating	3.59																				
Drive Trace Energy Economy Rating	0.45																				
Drive Trace Inertia Work Ratio Rating	4.77																				
Integrated DC KW-HRS	2.284888																				
Manufacturer Fuel Economy	22.282894																				
Charge Depleting Bag/Phase #7																					
<table border="1"> <thead> <tr> <th>Test Result/Emission Name</th> <th>Unrounded Test Result</th> </tr> </thead> <tbody> <tr> <td>Actual Distance Driven (miles)</td> <td>7.448</td> </tr> <tr> <td>Carbon Monoxide</td> <td>0</td> </tr> <tr> <td>Carbon-Related Exhaust Emissions</td> <td>0</td> </tr> <tr> <td>Drive Trace Absolute Speed Change Rating</td> <td>-1.46</td> </tr> <tr> <td>Drive Trace Energy Economy Rating</td> <td>-1.43</td> </tr> <tr> <td>Drive Trace Inertia Work Ratio Rating</td> <td>-1.01</td> </tr> <tr> <td>Integrated DC KW-HRS</td> <td>1.452371</td> </tr> <tr> <td>Manufacturer Fuel Economy</td> <td>19.500148</td> </tr> </tbody> </table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.448	Carbon Monoxide	0	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-1.46	Drive Trace Energy Economy Rating	-1.43	Drive Trace Inertia Work Ratio Rating	-1.01	Integrated DC KW-HRS	1.452371	Manufacturer Fuel Economy	19.500148
Test Result/Emission Name	Unrounded Test Result																				
Actual Distance Driven (miles)	7.448																				
Carbon Monoxide	0																				
Carbon-Related Exhaust Emissions	0																				
Drive Trace Absolute Speed Change Rating	-1.46																				
Drive Trace Energy Economy Rating	-1.43																				
Drive Trace Inertia Work Ratio Rating	-1.01																				
Integrated DC KW-HRS	1.452371																				
Manufacturer Fuel Economy	19.500148																				
Charge Depleting Bag/Phase #8																					

Certification Summary Information Report

Test Group	VHYXV00.0301	Evaporative/Refueling Family	--
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	30.428	
	Carbon Monoxide	0	
	Carbon-Related Exhaust Emissions	0	
	Drive Trace Absolute Speed Change Rating	0	
	Drive Trace Energy Economy Rating	0	
	Drive Trace Inertia Work Ratio Rating	0	
	Integrated DC KW-HRS	8.632232	
	Manufacturer Fuel Economy	28.368851	
Manufacturer Test Comments	JW EV PE AWD 19in MCT test.		

Certification Summary Information Report

Test Group		VHYXV00.0301				Evaporative/Refueling Family					--	
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 0	CO	0	--	--	--	0	--	0	0	Pass
Fed	150,000 miles	Federal Tier 3 Bin 0	CO	0	--	--	--	0	--	0	0	Pass
Fed	150,000 miles	Federal Tier 3 Bin 0	CO	0	--	--	--	0	--	0	0	Pass
Fed	150,000 miles	Federal Tier 3 Bin 0	CO	0	--	--	--	0	--	0	0	Pass
Fed	150,000 miles	Federal Tier 3 Bin 0	CO	0	--	--	--	0	--	0	0	Pass
Fed	150,000 miles	Federal Tier 3 Bin 0	CO	0	--	--	--	0	--	0	0	Pass
Fed	150,000 miles	Federal Tier 3 Bin 0	CO	0	--	--	--	0	--	0	0	Pass
Fed	150,000 miles	Federal Tier 3 Bin 0	CO	0	--	--	--	0	--	0	0	Pass
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CO	0	--	--	--	0	--	0	0	Pass
CA	150,000 miles	California ZEV	CO	0	--	--	--	0	--	0	0	Pass
CA	150,000 miles	California ZEV	CO	0	--	--	--	0	--	0	0	Pass
CA	150,000 miles	California ZEV	CO	0	--	--	--	0	--	0	0	Pass
CA	150,000 miles	California ZEV	CO	0	--	--	--	0	--	0	0	Pass
CA	150,000 miles	California ZEV	CO	0	--	--	--	0	--	0	0	Pass
CA	150,000 miles	California ZEV	CO	0	--	--	--	0	--	0	0	Pass
CA	150,000 miles	California ZEV	CO	0	--	--	--	0	--	0	0	Pass
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--

Certification Summary Information Report

Test Group	VHYXV00.0301	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
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--

Certification Summary Information Report

Test Group	VHYXV00.0301		Evaporative/Refueling Family	--							
Emission Data Vehicle Information											
Vehicle ID / Configuration	JW1-KU5SSER019A / 1		Manufacturer Vehicle Configuration Number	0							
Original Test Group Name	THYXV00.0301		Original Evaporative/Refueling Family	--							
Original Test Vehicle Model Year	2026										
Vehicle Model											
Represented Test Vehicle Make	Genesis		Represented Test Vehicle Model	GV60 AWD Advanced with 20"							
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 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	0.9979							
Odometer Correction -- Initial	0										
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles										
Odometer Correction Units	Miles										
Engine Code	EM07		Rated Horsepower	314							
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)	4773		Equivalent Test Weight (pounds)	5000							
GVWR (lbs)	5776		N/V Ratio	127							
Axle Ratio	4.71										
Transmission Type	Automatic		# of Transmission Gears	1							
Transmission Lockup	No		Creeper Gear	No							
Dynamometer Coefficients:											
Target Coefficients			Set Coefficients								
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients				
City/Highway/Evap	36.851	0.1153	0.021312	-0.02	0.10641	0.018901	12.8				
Emission Control Device Comments											
This vehicle have two motors (front : 99hp / rear : 215hp)											

Certification Summary Information Report

Test Group	VHYXV00.0301	Evaporative/Refueling Family	--
Manufacturer Test Vehicle Comments	GV60(JW) 2 motors(73.9kW+160kW)20in.		

Certification Summary Information Report

Test Group	VHYXV00.0301	Evaporative/Refueling Family	--
Test #	THYX10089334	Test Procedure	77 - Multi-Cycle Test (MCT)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	02/09/2025	Fuel	Electricity
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	772-1, Jangduck-Dong		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	2809	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
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	220	Recharge Event Energy (kiloWatt-hours)	95.6838
Charge Depleting Range (Calculated miles)	414.936	Charge Depleting Range (Actual miles)	414.936
Charge Depleting Range Highway (Calculated miles)	360.405	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	414.936
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)	7.454
Carbon Monoxide	0
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	0
Drive Trace Energy Economy Rating	-0.58
Drive Trace Inertia Work Ratio Rating	0.34
Integrated DC KW-HRS	1.6317
Manufacturer Fuel Economy	21.891

Charge Depleting Bag/Phase #2

Certification Summary Information Report

Test Group	VHYXV00.0301	Evaporative/Refueling Family	--																		
<table border="1"> <thead> <tr> <th>Test Result/Emission Name</th> <th>Unrounded Test Result</th> </tr> </thead> <tbody> <tr> <td>Actual Distance Driven (miles)</td> <td>10.256</td> </tr> <tr> <td>Carbon Monoxide</td> <td>0</td> </tr> <tr> <td>Carbon-Related Exhaust Emissions</td> <td>0</td> </tr> <tr> <td>Drive Trace Absolute Speed Change Rating</td> <td>4.06</td> </tr> <tr> <td>Drive Trace Energy Economy Rating</td> <td>0.75</td> </tr> <tr> <td>Drive Trace Inertia Work Ratio Rating</td> <td>5.07</td> </tr> <tr> <td>Integrated DC KW-HRS</td> <td>2.4647</td> </tr> <tr> <td>Manufacturer Fuel Economy</td> <td>24.031</td> </tr> </tbody> </table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.256	Carbon Monoxide	0	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	4.06	Drive Trace Energy Economy Rating	0.75	Drive Trace Inertia Work Ratio Rating	5.07	Integrated DC KW-HRS	2.4647	Manufacturer Fuel Economy	24.031
Test Result/Emission Name	Unrounded Test Result																				
Actual Distance Driven (miles)	10.256																				
Carbon Monoxide	0																				
Carbon-Related Exhaust Emissions	0																				
Drive Trace Absolute Speed Change Rating	4.06																				
Drive Trace Energy Economy Rating	0.75																				
Drive Trace Inertia Work Ratio Rating	5.07																				
Integrated DC KW-HRS	2.4647																				
Manufacturer Fuel Economy	24.031																				
Charge Depleting Bag/Phase #3																					
<table border="1"> <thead> <tr> <th>Test Result/Emission Name</th> <th>Unrounded Test Result</th> </tr> </thead> <tbody> <tr> <td>Actual Distance Driven (miles)</td> <td>7.453</td> </tr> <tr> <td>Carbon Monoxide</td> <td>0</td> </tr> <tr> <td>Carbon-Related Exhaust Emissions</td> <td>0</td> </tr> <tr> <td>Drive Trace Absolute Speed Change Rating</td> <td>-0.09</td> </tr> <tr> <td>Drive Trace Energy Economy Rating</td> <td>-0.5</td> </tr> <tr> <td>Drive Trace Inertia Work Ratio Rating</td> <td>0.5</td> </tr> <tr> <td>Integrated DC KW-HRS</td> <td>1.5601</td> </tr> <tr> <td>Manufacturer Fuel Economy</td> <td>20.932</td> </tr> </tbody> </table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.453	Carbon Monoxide	0	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-0.09	Drive Trace Energy Economy Rating	-0.5	Drive Trace Inertia Work Ratio Rating	0.5	Integrated DC KW-HRS	1.5601	Manufacturer Fuel Economy	20.932
Test Result/Emission Name	Unrounded Test Result																				
Actual Distance Driven (miles)	7.453																				
Carbon Monoxide	0																				
Carbon-Related Exhaust Emissions	0																				
Drive Trace Absolute Speed Change Rating	-0.09																				
Drive Trace Energy Economy Rating	-0.5																				
Drive Trace Inertia Work Ratio Rating	0.5																				
Integrated DC KW-HRS	1.5601																				
Manufacturer Fuel Economy	20.932																				
Charge Depleting Bag/Phase #4																					
<table border="1"> <thead> <tr> <th>Test Result/Emission Name</th> <th>Unrounded Test Result</th> </tr> </thead> <tbody> <tr> <td>Actual Distance Driven (miles)</td> <td>225.135</td> </tr> <tr> <td>Carbon Monoxide</td> <td>0</td> </tr> <tr> <td>Carbon-Related Exhaust Emissions</td> <td>0</td> </tr> <tr> <td>Drive Trace Absolute Speed Change Rating</td> <td>0</td> </tr> <tr> <td>Drive Trace Energy Economy Rating</td> <td>0</td> </tr> <tr> <td>Drive Trace Inertia Work Ratio Rating</td> <td>0</td> </tr> <tr> <td>Integrated DC KW-HRS</td> <td>66.7791</td> </tr> <tr> <td>Manufacturer Fuel Economy</td> <td>29.662</td> </tr> </tbody> </table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	225.135	Carbon Monoxide	0	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0	Drive Trace Energy Economy Rating	0	Drive Trace Inertia Work Ratio Rating	0	Integrated DC KW-HRS	66.7791	Manufacturer Fuel Economy	29.662
Test Result/Emission Name	Unrounded Test Result																				
Actual Distance Driven (miles)	225.135																				
Carbon Monoxide	0																				
Carbon-Related Exhaust Emissions	0																				
Drive Trace Absolute Speed Change Rating	0																				
Drive Trace Energy Economy Rating	0																				
Drive Trace Inertia Work Ratio Rating	0																				
Integrated DC KW-HRS	66.7791																				
Manufacturer Fuel Economy	29.662																				
Charge Depleting Bag/Phase #5																					

Certification Summary Information Report

Test Group	VHYXV00.0301	Evaporative/Refueling Family	--																		
<table border="1"> <thead> <tr> <th>Test Result/Emission Name</th> <th>Unrounded Test Result</th> </tr> </thead> <tbody> <tr> <td>Actual Distance Driven (miles)</td> <td>7.455</td> </tr> <tr> <td>Carbon Monoxide</td> <td>0</td> </tr> <tr> <td>Carbon-Related Exhaust Emissions</td> <td>0</td> </tr> <tr> <td>Drive Trace Absolute Speed Change Rating</td> <td>-0.03</td> </tr> <tr> <td>Drive Trace Energy Economy Rating</td> <td>-0.51</td> </tr> <tr> <td>Drive Trace Inertia Work Ratio Rating</td> <td>0.39</td> </tr> <tr> <td>Integrated DC KW-HRS</td> <td>1.5157</td> </tr> <tr> <td>Manufacturer Fuel Economy</td> <td>20.331</td> </tr> </tbody> </table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.455	Carbon Monoxide	0	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-0.03	Drive Trace Energy Economy Rating	-0.51	Drive Trace Inertia Work Ratio Rating	0.39	Integrated DC KW-HRS	1.5157	Manufacturer Fuel Economy	20.331
Test Result/Emission Name	Unrounded Test Result																				
Actual Distance Driven (miles)	7.455																				
Carbon Monoxide	0																				
Carbon-Related Exhaust Emissions	0																				
Drive Trace Absolute Speed Change Rating	-0.03																				
Drive Trace Energy Economy Rating	-0.51																				
Drive Trace Inertia Work Ratio Rating	0.39																				
Integrated DC KW-HRS	1.5157																				
Manufacturer Fuel Economy	20.331																				
Charge Depleting Bag/Phase #6																					
<table border="1"> <thead> <tr> <th>Test Result/Emission Name</th> <th>Unrounded Test Result</th> </tr> </thead> <tbody> <tr> <td>Actual Distance Driven (miles)</td> <td>10.258</td> </tr> <tr> <td>Carbon Monoxide</td> <td>0</td> </tr> <tr> <td>Carbon-Related Exhaust Emissions</td> <td>0</td> </tr> <tr> <td>Drive Trace Absolute Speed Change Rating</td> <td>4.2</td> </tr> <tr> <td>Drive Trace Energy Economy Rating</td> <td>0.76</td> </tr> <tr> <td>Drive Trace Inertia Work Ratio Rating</td> <td>5.24</td> </tr> <tr> <td>Integrated DC KW-HRS</td> <td>2.395</td> </tr> <tr> <td>Manufacturer Fuel Economy</td> <td>23.348</td> </tr> </tbody> </table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.258	Carbon Monoxide	0	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	4.2	Drive Trace Energy Economy Rating	0.76	Drive Trace Inertia Work Ratio Rating	5.24	Integrated DC KW-HRS	2.395	Manufacturer Fuel Economy	23.348
Test Result/Emission Name	Unrounded Test Result																				
Actual Distance Driven (miles)	10.258																				
Carbon Monoxide	0																				
Carbon-Related Exhaust Emissions	0																				
Drive Trace Absolute Speed Change Rating	4.2																				
Drive Trace Energy Economy Rating	0.76																				
Drive Trace Inertia Work Ratio Rating	5.24																				
Integrated DC KW-HRS	2.395																				
Manufacturer Fuel Economy	23.348																				
Charge Depleting Bag/Phase #7																					
<table border="1"> <thead> <tr> <th>Test Result/Emission Name</th> <th>Unrounded Test Result</th> </tr> </thead> <tbody> <tr> <td>Actual Distance Driven (miles)</td> <td>7.455</td> </tr> <tr> <td>Carbon Monoxide</td> <td>0</td> </tr> <tr> <td>Carbon-Related Exhaust Emissions</td> <td>0</td> </tr> <tr> <td>Drive Trace Absolute Speed Change Rating</td> <td>-0.04</td> </tr> <tr> <td>Drive Trace Energy Economy Rating</td> <td>-0.63</td> </tr> <tr> <td>Drive Trace Inertia Work Ratio Rating</td> <td>0.33</td> </tr> <tr> <td>Integrated DC KW-HRS</td> <td>1.52</td> </tr> <tr> <td>Manufacturer Fuel Economy</td> <td>20.389</td> </tr> </tbody> </table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.455	Carbon Monoxide	0	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-0.04	Drive Trace Energy Economy Rating	-0.63	Drive Trace Inertia Work Ratio Rating	0.33	Integrated DC KW-HRS	1.52	Manufacturer Fuel Economy	20.389
Test Result/Emission Name	Unrounded Test Result																				
Actual Distance Driven (miles)	7.455																				
Carbon Monoxide	0																				
Carbon-Related Exhaust Emissions	0																				
Drive Trace Absolute Speed Change Rating	-0.04																				
Drive Trace Energy Economy Rating	-0.63																				
Drive Trace Inertia Work Ratio Rating	0.33																				
Integrated DC KW-HRS	1.52																				
Manufacturer Fuel Economy	20.389																				
Charge Depleting Bag/Phase #8																					

Certification Summary Information Report

Test Group	VHYXV00.0301	Evaporative/Refueling Family	--
-------------------	--------------	-------------------------------------	----

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	25.39
Carbon Monoxide	0
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	0
Drive Trace Energy Economy Rating	0
Drive Trace Inertia Work Ratio Rating	0
Integrated DC KW-HRS	7.5119
Manufacturer Fuel Economy	29.586

Manufacturer Test Comments

JW EV PE AWD 20in MCT test.

Certification Summary Information Report

Test Group		VHYXV00.0301				Evaporative/Refueling Family				--		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 0	CO	0	--	--	--	0	--	0	0	Pass
Fed	150,000 miles	Federal Tier 3 Bin 0	CO	0	--	--	--	0	--	0	0	Pass
Fed	150,000 miles	Federal Tier 3 Bin 0	CO	0	--	--	--	0	--	0	0	Pass
Fed	150,000 miles	Federal Tier 3 Bin 0	CO	0	--	--	--	0	--	0	0	Pass
Fed	150,000 miles	Federal Tier 3 Bin 0	CO	0	--	--	--	0	--	0	0	Pass
Fed	150,000 miles	Federal Tier 3 Bin 0	CO	0	--	--	--	0	--	0	0	Pass
Fed	150,000 miles	Federal Tier 3 Bin 0	CO	0	--	--	--	0	--	0	0	Pass
Fed	150,000 miles	Federal Tier 3 Bin 0	CO	0	--	--	--	0	--	0	0	Pass
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CO	0	--	--	--	0	--	0	0	Pass
CA	150,000 miles	California ZEV	CO	0	--	--	--	0	--	0	0	Pass
CA	150,000 miles	California ZEV	CO	0	--	--	--	0	--	0	0	Pass
CA	150,000 miles	California ZEV	CO	0	--	--	--	0	--	0	0	Pass
CA	150,000 miles	California ZEV	CO	0	--	--	--	0	--	0	0	Pass
CA	150,000 miles	California ZEV	CO	0	--	--	--	0	--	0	0	Pass
CA	150,000 miles	California ZEV	CO	0	--	--	--	0	--	0	0	Pass
CA	150,000 miles	California ZEV	CO	0	--	--	--	0	--	0	0	Pass
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--

Certification Summary Information Report

Test Group		VHYXV00.0301				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
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--

Fuel Properties

Certification Summary Information Report

Test Group		VHYXV00.0301			Evaporative/Refueling Family			--		
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			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	
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			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	
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			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	
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			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	

Certification Summary Information Report

Test Group	VHYXV00.0301	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	VHYXV00.0301	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	VHYXV00.0301	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	VHYXV00.0301	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	