



Application for Certification - Part 1

Test Group (CBI)

- **Model Year:** 2027
- **Manufacturer Name:** Hyundai Motor Company
- **Test Group:** VHXYV00.0301
- **Test Group Description:** Battery Electric Vehicle
- **Durability Group:** VHXYEEENN301
- **Durability Group Description:** N/A
- **Vehicle Class:** LDV
- **Applicable Standards:** FED: Tier-4 Bin 0
CAL: ACC2 ZEV
- **Vehicles Tested:** JW1-KU5SSER019A / 0
JW1-KU5SSER019A / 1
- **Carlines Covered by Certificate:** GV60 AWD with 19"
GV60 AWD Advanced with 20"
- **EPA Response Requested by:** March 16th, 2026
- **For Questions, Contact:** Stephanie Wright
734-273-1904
E-mail: swright@hatci.com

TABLE OF CONTENTS

| Section | Contents | Application | |
|---------|--|-------------|------------|
| | | Common | Test Group |
| 01 | Correspondence and Communications | x | |
| 02 | Durability Group Description | | x |
| | 02.01 List of Vehicles in Durability Groups | x | |
| | 02.02 Catalyst Information | | x |
| 03 | Evaporative/Refueling Family Description | | x |
| | 03.01 Evaporative/Refueling General Description | x | |
| | 03.02 List of Vehicles in Evaporative Families | x | |
| 04 | Durability Test Procedure Description | | |
| | 04.01 Exhaust Durability Vehicle Test Data | | x |
| | 04.02 Evaporative/ORVR Durability Test Data | | x |
| | 04.03 Exhaust Durability Test Procedure | x | |
| | 04.04 Evaporative Durability Test Procedure | x | |
| 05 | Test Group Description | | x |
| 06 | Test Vehicle Description | | x |
| 07 | Test Results | | x |
| 08 | Emission Compliance Statement | x | |
| 09 | OBD System Description | | x |
| | 09.01 CARB Approval Letter | | x |
| 10 | Description of Alternate-Fueled Vehicles | | x |
| 11 | AECD Descriptions | | x |
| 12 | Description of Vehicles Covered by Certificate and Test Parameters | | |
| | 12.01 Vehicle Parameters | | x |
| | 12.02 Test Parameters | x | x |
| 13 | Projected Sales | x | |
| 14 | Request for Certification | | x |
| 15 | Other Information | | |
| | 15.01 Certification Fee Filing Form | | x |
| | 15.02 Vehicle Emission Control Information Label | | x |
| | 15.03 ORVR Safety Statement | | x |
| | 15.04 New Technology System Description | x | |
| | 15.05 Engine Oil Information | x | |
| 16 | California ARB Information | x | x |
| 17 | Service of Process | x | |
| 18 | Attachment | | x |

01.00 Correspondence and Communications

Please refer to Common Section 01.00.

For questions, call Stephanie Wright (734-273-1904).

VHYXV00.0301 - Hyundai GV60 AWD – Part 1
Issued : 01-20-2026
Revised:

02.00 Durability Group Description

1. Durability Group Name : VHYXEEENN301
2. Engine Type : Motor
3. Fuel Used : Electricity
4. Battery Capacity(s) : 120.6 Ah
5. Battery Chemistry(s) : NCM*¹
6. Battery Duty Cycle Usage(s) : 10years / 200,000km
7. Battery Manufacturer : Hyundai Mobis
8. Battery Construction : 32 modules (12 cells in 1 module)
9. Battery Self-Discharge Information : <5.0% @SOC65%, RT for 6 months
10. Description of the Thermal Management System : Active liquid cooled
11. Battery Disposal Plan : See Common Section 02.00

(Note) NCM*¹ : Nickel Cobalt Manganese

02.01 List of Vehicles in Durability Groups

Please refer to Common Section 02.01.

02.02 Catalyst Information : Not Applicable

VHYXV00.0301 - Hyundai GV60 AWD – Part 1
Issued : 01-20-2026
Revised:

03.00 Evaporative/Refueling Family Description : Not Applicable

VHYXV00.0301 - Hyundai GV60 AWD – Part 1
Issued : 01-20-2026
Revised:

04.00 Durability Procedure Description : Not Applicable

VHYXV00.0301 - Hyundai GV60 AWD – Part 1
Issued : 01-20-2026
Revised:

05.00 Test Group Description

Test Group Name : VHYXV00.0301

Vehicle Class(s) Covered : FED - LDV
CAL - PC

Sales Location/Emission Standard : FED - Tier-4 Bin 0
CAL - ACC2 ZEV
See CSI report for emission standard levels

06.00 Test Vehicle Description

Durability Data Vehicle: Not Applicable

Emission Data Vehicle: Please refer to CSI report in 07.00

07.00 Test Results
07.01.01 EV-CIS Certification Summary Information

Certification Summary Information Report submitted to EV-CIS.

See 18.00.00.

08.00 Emission Compliance Statement : Not Applicable

VHYXV00.0301 - Hyundai GV60 AWD – Part 1
Issued : 01-20-2026
Revised:

09.00 OBD System Description

Battery electric vehicles are exempt from OBD requirements because they do not use emission control systems and/or components.

10.00 Description of Alternate-Fueled Vehicles: Not Applicable

VHYXV00.0301 - Hyundai GV60 AWD – Part 1
Issued : 01-20-2026
Revised:

11.00 AECD Description: Not Applicable

VHYXV00.0301 - Hyundai GV60 AWD – Part 1
Issued : 01-20-2026
Revised:

12.00 Description of Vehicles Covered by Certificate and Test Parameters

12.01 Vehicle Parameters

| | | | |
|-------------------------------------|-------------------|---------------------------------------|----------------------------|
| Carline | | 201 | 202 |
| Model Name | | GV60 AWD with 19" | GV60 AWD Advanced with 20" |
| Vehicle Classification | | LDV | |
| Emission Control System Description | | N/A | |
| Engine Code (Motor) | | EM07 | |
| Number of Valves Per Cylinder | | N/A | |
| Engine Displacement (L) | | N/A | |
| Sales Area | | 50-State | |
| Transmission and Overdrive | | Fixed Single Speed | |
| SIL | | N/A | |
| Tire Size | | 235/55R19 (Michelin) | 255/45R20 (Michelin) |
| N/V Ratios | | 127.1 | 127.0 |
| ETW(lb) | | 5000 | 5000 |
| Elec. Dyno. Target Coefficient | A | Please refer to 12.02.01. | |
| | B | | |
| | C | | |
| Motor | Type | PMSM*1 | |
| | Max. Power (kW) | 73.9 (Front motor) / 160 (Rear motor) | |
| Battery | Type | Lithium ion | |
| | Rated Voltage (V) | 697 | |
| | Weight (kg) | 480.3 | |

(Note) *1 : Permanent Magnet Synchronous Motor

12.02.02 Engine Starting Procedures

Please refer to Common Section 12.02.02.

12.02.03 Shift Schedules: Not Applicable

12.02.04 Transmission / Advanced Technology System Test Modes

Please refer to Common Section 12.02.04.

12.02.05 Running Loss Fuel Tank Temperature Profile: Not Applicable

13.00 Projected Sales

Please refer to Common Section 13.00.

14.00 Request for Certification



Ms. Kathryn Kochunas
Certification Division
Mobile Source Pollution Control
U.S. Environmental Protection Agency
2000 Traverwood Drive
Ann Arbor, Michigan

Subject: Request for Certificate of Conformity for 2027 Model Year Test Group VHYXV00.0301/
Evaporative Family N/A

Dear Ms. Kathryn Kochunas:

Hyundai Motor Company requests that EPA issue a Certificate of Conformity for the test group subjected above.

All vehicles within test group mentioned above comply with the applicable regulations contained in 40 CFR 86.1844-01(d)(14) including the provisions of 40 CFR Parts 85, 86 and 600. This test group also complies with California Air Resources Board, Final Regulation Order, Sections 1961.4 and 1961.3 (1962.4 and 1962.3 for zero-emission vehicles) Title 13, California Code of Regulations.

The Part 1 Application for Certification has been prepared in accordance with the standardized format recommended by EPA via its guidance document CD-14-19 (LDV/LDT/OCO/LIMO) Subject: Certification Application Reporting Guidance, dated November 24, 2014.

If you have any questions regarding the Certificate of Conformity, do not hesitate to contact Stephanie Wright at swright@hatci.com or (734) 273-1904.

Sincerely,

A handwritten signature in black ink, appearing to read 'C. H. Ji', written over a horizontal line.

C. H. Ji
General Manager
Regulation & Certification Team2
Hyundai Motor Company

VHYXV00.0301 - Hyundai GV60 AWD – Part 1
Issued : 01-15-2026
Revised :



Ms. Robin U. Lang, Chief
Emissions Certification and Compliance Division
California Air Resources Board
4001 Iowa Ave.
Riverside, California 92507

Subject: Request for Executive Order for 2027 Model Year Test Group VHYXV00.0301/
Evaporative Family N/A

Dear Ms. Robin U. Lang:

Hyundai Motor Company requests that California Air Resources Board (CARB) issue an Executive Order for the test group subjected above.

All vehicles within test group mentioned above comply with the applicable regulations contained in 40 CFR 86.1844-01(d)(14) including the provisions of 40 CFR Parts 85, 86 and 600. This test group also complies with California Air Resources Board, Final Regulation Order, Sections 1961.4 and 1961.3 (1962.4 and 1962.3 for zero-emission vehicles) Title 13, California Code of Regulations.

The Part 1 Application for Certification has been prepared in accordance with the standardized format recommended by EPA via its guidance document CD-14-19 (LDV/LDT/OCO/LIMO) Subject: Certification Application Reporting Guidance, dated November 24, 2014.

If you have any questions regarding the Executive Order, do not hesitate to contact Stephanie Wright at swright@hatci.com or (734) 273-1904.

Sincerely,

A handwritten signature in black ink, appearing to read 'C. H. Ji', written over a horizontal line.

C. H. Ji
General Manager
Regulation & Certification Team2
Hyundai Motor Company

VHYXV00.0301 - Hyundai GV60 AWD – Part 1
Issued : 01-20-2026
Revised :

15.00 **Other Information**
15.01 **Certification Fee Filing Form**

US EPA Fee Form

[Help and EPA Instructions](#)

* Required Field

General Information

Date: 11/07/2025

Process Code *

Submit New Fee Filing Form

Manufacturer Code *

HYX

Manufacturer Name *

Hyundai

Contact Name *

Jennifer Cherry

Contact Email Address *

jcherry@hatci.com

Contact Phone *

7343372259

Calendar Year complete application submitted to EPA *

2026

PLEASE NOTE: These fees apply to complete certification applications received by EPA from January 1, 2026, through December 31, 2026. The applicable fee is determined by the

calendar year in which the complete certification application is received, not the model year.

Engine Family / Evaporative Family / Test Group *

VHYXV00.0301

Certificate Request Type (Industry Sector Code)

Certificate Request Type *

- On-Highway LDV, LTD, MDVPV, HDV Chassis Cert (Federal) (A, B, D, J, T, V)
- On-Highway HDE Dyno Cert (Federal) (E, H)
- On-Highway LD ICI, MDPV ICI, HDV ICI (A, B, D, J, T, V)
- On-Highway Motorcycle (C)
- On-Highway HDV Evap (F)
- On-Highway LDV, LTD, MDVPV, HDV Chassis Cert (California-Only) (A, B, D, J, T, V)
- On-Highway HDE Dyno Cert (California-Only) (E, H)
- Nonroad CI (L)
- Nonroad SI (B, S)
- Locomotive (G, K)
- All Nonroad Recreational, excluding Marine engines (X, Y)
- All Marine (Including IMO) (M, N, W)
- Component Certification for Evaporative Emissions (P)

IMO Name (Required for dual US/IMO Marine Only)

ICI VIN Number (Required for ICIs Only)

Do you qualify for a Reduced Fee? *

No

Payment Information

Amount Owed

\$32,317.00

Payment Type *

Offline Wire

Comments

EPA Form Number 3520-29


OMB Control No. 2060-0545

Approval expires 7/31/2027

The public reporting and recordkeeping burden for this collection of information is estimated to average 12 minutes per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed forms to this address.

The content of this document may contain Sensitive But Unclassified (SBU) data and/or Controlled Unclassified Information (CUI).

15.02 Vehicle Emission Control Information (VECI) Label

| | | | |
|---|--|---|--|
|  | | HYUNDAI MOTOR COMPANY VEHICLE EMISSION CONTROL INFORMATION | |
| Conforms to regulations: | | 2027 MY | |
| U.S.EPA: T4B0 LDV | OBD: N/A | Fuel: Electricity | |
| California: ZEV PC | OBD: N/A | Fuel: Electricity | |
| No adjustments needed. | This vehicle is certified to operate on electricity. | | |
| Group: VHYXV00.0301 Evap.: N/A | | 32410-1XCJ2 | |

15.03 ORVR Safety Statement: Not Applicable

15.04 New Technology System Description

Please refer to Common Section 15.04.

15.05 Engine Oil Information : Not Applicable

16.00 California ARB Information

16.01 Exhaust Emission Control System (Tune-up Label)

| Test Group Name | Model | Exhaust Emission Control System |
|-----------------|---|---------------------------------|
| VHYXV00.0301 | GV60 AWD with 19" GV60 AWD Advanced with 20" | N/A |

16.02 Test Procedures

Please refer to Common Section 16.02.

16.03.00 Fill Pipe Access Zones Statement and Specifications: Not Applicable

16.04.00 Request for Certificate

Please refer to 14.00

16.04.01 Statement of Compliance

Please refer to Common Section 16.04.01.

16.04.02 Supplemental Data Sheet

Please refer to E-cert data

16.05.00 Emission Testing Waiver Statement : Not Applicable

16.06.00 Projected Sales

Please refer to Common Section 13.00.

16.07.00 OBD-II System Description : Not Applicable

16.08.00 New Technology System Description

Please refer to Common Section 15.04.

16.09.00 Environmental Performance Label

Pursuant to CALIFORNIA ENVIRONMENTAL PERFORMANCE LABEL SPECIFICATIONS FOR 2009 AND SUBSEQUENT MODEL YEAR PASSENGER CARS, LIGHT-DUTY TRUCKS, AND MEDIUM-DUTY PASSENGER VEHICLES (adopted May 2, 2008, last amended September 2, 2015), 2012, Hyundai complies to the Environmental Performance Label requirement by affixing the Federal Fuel Economy and Environment Label in accordance to 40 CFR Parts 85, 86, and 600 as promulgated on July 6, 2011.

16.10.00 AECD General Statements : Not Applicable

16.11.00 California warranty compliance

Please refer to Common Section 16.11.00.

17.00.00 Service of Process

Please refer to Common Section 01.00.

18.00.00 Attachment

1. CSI Report

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" | California + CAA Section 177 states | 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 | 201 - GV60 AWD with 19" | California + CAA Section 177 states | All Wheel Drive | Automatic | 1 | No |
| Hyundai Motor Company | 2 - GENESIS | 202 - GV60 AWD Advanced with 20" | Federal | 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 Storage | -- | Multiple Fuel Combustion | -- |
| Fuel Cell Indicator | No | Rechargeable Energy Storage System Indicator | Yes |
| Rechargeable Energy Storage System | Battery(s) | Rechargeable Energy Storage System, if 'Other' | -- |
| Off-board charge Capable Indicator | Yes | | |
| Odometer Correction -- Initial | 0 | Odometer Correction Factor | 0.9979 |
| 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) | 4729 | Equivalent Test Weight (pounds) | 5000 |
| GVWR (lbs) | 5776 | N/V Ratio | 127.1 |
| Axle Ratio | 4.71 | | |
| Transmission Type | Automatic | # of Transmission Gears | 1 |
| Transmission Lockup | No | Creeper Gear | 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 | 0 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 0 | CO | 0.0 | -- | -- | -- | 0 | -- | 0 | 0 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 0 | CO | 0.0 | -- | -- | -- | 0 | -- | 0 | 0 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 0 | CO | 0.0 | -- | -- | -- | 0 | -- | 0 | 0 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 0 | CO | 0.0 | -- | -- | -- | 0 | -- | 0 | 0 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 0 | CO | 0.0 | -- | -- | -- | 0 | -- | 0 | 0 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 0 | CO | 0.0 | -- | -- | -- | 0 | -- | 0 | 0 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 0 | CO | 0.0 | -- | -- | -- | 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 | 0 | Pass |
| CA | 150,000 miles | California ZEV | CO | 0.0 | -- | -- | -- | 0 | -- | 0 | 0 | Pass |
| CA | 150,000 miles | California ZEV | CO | 0.0 | -- | -- | -- | 0 | -- | 0 | 0 | Pass |
| CA | 150,000 miles | California ZEV | CO | 0.0 | -- | -- | -- | 0 | -- | 0 | 0 | Pass |
| CA | 150,000 miles | California ZEV | CO | 0.0 | -- | -- | -- | 0 | -- | 0 | 0 | Pass |
| CA | 150,000 miles | California ZEV | CO | 0.0 | -- | -- | -- | 0 | -- | 0 | 0 | Pass |
| CA | 150,000 miles | California ZEV | CO | 0.0 | -- | -- | -- | 0 | -- | 0 | 0 | Pass |
| CA | 150,000 miles | California ZEV | CO | 0.0 | -- | -- | -- | 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 | -- |
|-------------------|--------------|------------------------------|----|

| 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

| 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

| 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 | 0 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 0 | CO | 0.0 | -- | -- | -- | 0 | -- | 0 | 0 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 0 | CO | 0.0 | -- | -- | -- | 0 | -- | 0 | 0 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 0 | CO | 0.0 | -- | -- | -- | 0 | -- | 0 | 0 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 0 | CO | 0.0 | -- | -- | -- | 0 | -- | 0 | 0 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 0 | CO | 0.0 | -- | -- | -- | 0 | -- | 0 | 0 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 0 | CO | 0.0 | -- | -- | -- | 0 | -- | 0 | 0 | Pass |
| Fed | 150,000 miles | Federal Tier 3 Bin 0 | CO | 0.0 | -- | -- | -- | 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 | 0 | Pass |
| CA | 150,000 miles | California ZEV | CO | 0.0 | -- | -- | -- | 0 | -- | 0 | 0 | Pass |
| CA | 150,000 miles | California ZEV | CO | 0.0 | -- | -- | -- | 0 | -- | 0 | 0 | Pass |
| CA | 150,000 miles | California ZEV | CO | 0.0 | -- | -- | -- | 0 | -- | 0 | 0 | Pass |
| CA | 150,000 miles | California ZEV | CO | 0.0 | -- | -- | -- | 0 | -- | 0 | 0 | Pass |
| CA | 150,000 miles | California ZEV | CO | 0.0 | -- | -- | -- | 0 | -- | 0 | 0 | Pass |
| CA | 150,000 miles | California ZEV | CO | 0.0 | -- | -- | -- | 0 | -- | 0 | 0 | Pass |
| CA | 150,000 miles | California ZEV | CO | 0.0 | -- | -- | -- | 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 | | | 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 | | 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 | | | 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 | | | 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 | |

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 | AS-VOLT | Average System Voltage |
| CO | Carbon Monoxide | CO2 BAG 1 | Bag 1 Carbon Dioxide |
| CO2 | Carbon dioxide | CO2 BAG 2 | Bag 2 Carbon Dioxide |
| CREE | Carbon-Related Exhaust Emissions | CO2 BAG 3 | Bag 3 Carbon Dioxide |
| OPT-CREE | Optional Carbon-Related Exhaust Emissions | CO2 BAG 4 | Bag 4 Carbon Dioxide |
| NOX | Nitrogen Oxide | NMOG+NOX | Non-methane organic gases plus Nitrogen Oxides |
| PM | Particulate Matter | NMOG+NOX-COMP | SFTP Composite Non-methane Organic Gases + Nitrogen Oxides |
| PM-COMP | SFTP Composite Particulate Matter | DT-IWRR | Drive Trace Inertia Work Ratio Rating |
| HC-NM | Non-methane Hydrocarbon | DT-ASCR | Drive Trace Absolute Speed Change Rating |
| OMHCE | Organic material Hydrocarbon Equivalent | DT-EER | Drive Trace Energy Economy Rating |
| OMNMHCE | Organic material non-methane HC equivalent | COMB-CREE | Combined Carbon-Related Exhaust Emissions |
| NMOG | Non-methane organic gases | COMB-OPT-CREE | Combined Optional Carbon-Related Exhaust Emissions |
| HCHO | Formaldehyde | HC-TOTAL-EQUIV | Total Hydrocarbon equivalent - Evap only |
| H3C2HO | Acetaldehyde | METHANE-COMB | Combined CH4 for HD 2b/3 vehicles only |
| HC-NM+NOX | SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03 | N2O-COMB | Combined Nitrous Oxide for HD 2b/3 vehicles only |
| HC-NM+NOX-COMP | SFTP Composite Non-methane Hydrocarbon + Nitrogen Oxides | LEAK-DIA | Effective Leak Diameter (inches) |
| CO-COMP | SFTP Composite Carbon Monoxide | LEAK-GAS CAP | Gas Cap Leakage (cc/min) |
| ETHANOL | C2H5OH - Ethanol | CO2-COMB | Combined Carbon Dioxide for HD 2b/3 Vehicles Only |
| FE BAG 1 | Bag 1 Fuel Economy | KW-HRS | Integrated DC KW-HRS |
| FE BAG 2 | Bag 2 Fuel Economy | CH4 BAG 1 | Bag 1 Methane |
| FE BAG 3 | Bag 3 Fuel Economy | CH4 BAG 2 | Bag 2 Methane |
| FE BAG 4 | Bag 4 Fuel Economy | CH4 BAG 3 | Bag 3 Methane |
| MFR FE | Manufacturer Fuel Economy | CH4 BAG 4 | Bag 4 Methane |
| HC | Hydrocarbon for Running Loss and ORVR | CO BAG 1 | Bag 1 Carbon Monoxide |
| METHANE | CH4 - Methane | CO BAG 2 | Bag 2 Carbon Monoxide |
| METHANOL | CH3OH - Methanol | CO BAG 3 | Bag 3 Carbon Monoxide |
| N2O | Nitrous Oxide | CO BAG 4 | Bag 4 Carbon Monoxide |
| SPITBACK | Spitback Hydrocarbon in grams | NMOG BAG 1 | Bag 1 Non-methane organic gases |
| AMP-HRS | Integrated Amp-hours | NMOG BAG 2 | Bag 2 Non-methane organic gases |
| START-SOC | System Start State of Charge Watt-hours | NMOG BAG 3 | Bag 3 Non-methane organic gases |
| END-SOC | System End State of Charge Watt-hours | NMOG BAG 4 | Bag 4 Non-methane organic gases |
| ACT-DISTANCE | Actual Distance Driven (miles) | | |
| Certification Region | | | |

Certification Summary Information Report

| Test Group | VHYXV00.0301 | Evaporative/Refueling Family | |
|--|---|------------------------------|--|
| CA | California + CAA Section 177 states | FA | Federal |
| Exhaust Emission Standard Level | | | |
| B1 | Federal Tier 2 Bin 1 | T3B160 | Federal Tier 3 Bin 160 |
| B2 | Federal Tier 2 Bin 2 | T3B125 | Federal Tier 3 Bin 125 |
| B3 | Federal Tier 2 Bin 3 | T3B110 | Federal Tier 3 Transitional Bin 110 |
| B4 | Federal Tier 2 Bin 4 | T3B85 | Federal Tier 3 Transitional Bin 85 |
| B5 | Federal Tier 2 Bin 5 | T3SULEV30 | Federal Tier 3 Transitional LEV-II SULEV30 Carryover |
| B6 | Federal Tier 2 Bin 6 | T3B70 | Federal Tier 3 Bin 70 |
| B7 | Federal Tier 2 Bin 7 | T3B50 | Federal Tier 3 Bin 50 |
| B8 | Federal Tier 2 Bin 8 | T3B30 | Federal Tier 3 Bin 30 |
| B9 | Federal Tier 2 Bin 9 | T3B20 | Federal Tier 3 Bin 20 |
| B10 | Federal Tier 2 Bin 10 | T3B0 | Federal Tier 3 Bin 0 |
| B11 | Federal Tier 2 Bin 11 | HDV2B395 | Federal Tier 3 HD Class 2b Transitional Bin 395 |
| HDV1 | HDV1 (Federal HD chassis Class 2b GVW 8501-10000) | HDV2B340 | Federal Tier 3 HD Class 2b Transitional Bin 340 |
| HDV2 | HDV2 (Federal HD chassis Class 3 GVW 10001-14000) | HDV2B250 | Federal Tier 3 HD Class 2b Bin 250 |
| L2 | California LEV-II LEV | HDV2B200 | Federal Tier 3 HD Class 2b Bin 200 |
| L2OP | California LEV-II LEV Optional | HDV2B170 | Federal Tier 3 HD Class 2b Bin 170 |
| U2 | California LEV-II ULEV | HDV2B150 | Federal Tier 3 HD Class 2b Bin 150 |
| S2 | California LEV-II SULEV | HDV2B0 | Federal Tier 3 HD Class 2b Bin 0 |
| ZEV | California ZEV | HDV3B630 | Federal Tier 3 HD Class 3 Transitional Bin 630 |
| OT | Other | HDV3B570 | Federal Tier 3 HD Class 3 Transitional Bin 570 |
| T1 | Federal Tier 1 | HDV3B400 | Federal Tier 3 HD Class 3 Bin 400 |
| PZEV | California PZEV | HDV3B270 | Federal Tier 3 HD Class 3 Bin 270 |
| L2LEV160 | California LEV-II LEV160 | HDV3B230 | Federal Tier 3 HD Class 3 Bin 230 |
| L2ULEV125 | California LEV-II ULEV125 | HDV3B200 | Federal Tier 3 HD Class 3 Bin 200 |
| L2SULEV30 | California LEV-II SULEV30 | HDV3B0 | Federal Tier 3 HD Class 3 Bin 0 |
| L2LEV395 | California LEV-II LEV395 | L4SULEV100 | California LEV-IV SULEV100 |
| L2ULEV340 | California LEV-II ULEV340 | L4SULEV125 | California LEV-IV SULEV125 |
| L2LEV630 | California LEV-II LEV630 | L4SULEV15 | California LEV-IV SULEV15 |
| L2ULEV570 | California LEV-II ULEV570 | L4SULEV150 | California LEV-IV SULEV150 |
| L3LEV160 | California LEV-III LEV160 | L4SULEV170 | California LEV-IV SULEV170 |
| L3ULEV125 | California LEV-III ULEV125 | L4SULEV175 | California LEV-IV SULEV175 |
| L3ULEV70 | California LEV-III ULEV70 | L4SULEV20 | California LEV-IV SULEV20 |
| L3ULEV50 | California LEV-III ULEV50 | L4SULEV200 | California LEV-IV SULEV200 |
| L3SULEV30 | California LEV-III SULEV30 | L4SULEV230 | California LEV-IV SULEV230 |
| L3SULEV20 | California LEV-III SULEV20 | L4SULEV25 | California LEV-IV SULEV25 |
| L3LEV395 | California LEV-III LEV395 | L4SULEV30 | California LEV-IV SULEV30 |
| L3ULEV340 | California LEV-III ULEV340 | L4SULEV75 | California LEV-IV SULEV75 |
| L3ULEV250 | California LEV-III ULEV250 | L4SULEV85 | California LEV-IV SULEV85 |
| L3ULEV200 | California LEV-III ULEV200 | L4ULEV125 | California LEV-IV ULEV125 |

Certification Summary Information Report

| Test Group | | VHYXV00.0301 | Evaporative/Refueling Family | | -- |
|--------------------------------------|---|--------------|------------------------------|--|----|
| L3SULEV170 | California LEV-III SULEV170 | | L4ULEV200 | California LEV-IV ULEV200 | |
| L3SULEV150 | California LEV-III SULEV150 | | L4ULEV250 | California LEV-IV ULEV250 | |
| L3LEV630 | California LEV-III LEV630 | | L4ULEV270 | California LEV-IV ULEV270 | |
| L3ULEV570 | California LEV-III ULEV570 | | L4ULEV40 | California LEV-IV ULEV40 | |
| L3ULEV400 | California LEV-III ULEV400 | | L4ULEV400 | California LEV-IV ULEV400 | |
| L3ULEV270 | California LEV-III ULEV270 | | L4ULEV50 | California LEV-IV ULEV50 | |
| L3SULEV230 | California LEV-III SULEV230 | | L4ULEV60 | California LEV-IV ULEV60 | |
| L3SULEV200 | California LEV-III SULEV200 | | L4ULEV70 | California LEV-IV ULEV70 | |
| Transmission Type Code | | | | | |
| AMS | Automated Manual- Selectable (e.g. Automated Manual with paddles) | | M | Manual | |
| A | Automatic | | OT | Other | |
| AM | Automated Manual | | SA | Semi-Automatic | |
| CVT | Continuously Variable | | SCV | Selectable Continuously Variable (e.g. CVT with paddles) | |
| Drive System Code | | | | | |
| 4 | 4-Wheel Drive | | P | Part-time 4-Wheel Drive | |
| F | 2-Wheel Drive, Front | | A | All Wheel Drive | |
| R | 2-Wheel Drive, Rear | | | | |
| 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 | |