

## Kim, Seong Hun

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**From:** noreply@salesforce.com on behalf of California Air <mscertfees@arb.ca.gov>  
**Sent:** Wednesday, June 10, 2026 11:18 AM  
**To:** Kim, Seong Hun  
**Cc:** Fees@arb.ca.gov  
**Subject:** [From: External] Adjusted MS Fee Invoice # MSF251004-1  
**Attachments:** MSF251004-1 - signed.pdf

**CAUTION: This email originated from outside the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.**

Dear Seong Hun Kim

Attached is your final adjusted invoice replacing MSF251004

If you have additional questions regarding the fee invoicing and payment process, please go to CARB's MS Fees webpage at <https://ww2.arb.ca.gov/mobile-source-certification-and-compliance-fee-regulation-meetings-workshops>.



## Kim, Seong Hun

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**From:** noreply@salesforce.com on behalf of California Air <mscertfees@arb.ca.gov>  
**Sent:** Monday, April 20, 2026 2:03 PM  
**To:** Kim, Seong Hun  
**Subject:** [From: External] MS Fee Payment Confirmation for Invoice MSF251004  
**Attachments:** MSF251004 - signed.pdf

**CAUTION: This email originated from outside the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.**

Dear Seong Hun Kim

Attached is documentation for your MS Fee payment for Invoice Name MSF251004. Please include a copy of this invoice and email with each application that is listed when submitting your application to the applicable MS Fee program.

1. Payment ID – 25RA0381
2. Date of Payment – 4/17/2026
3. Payment Status - Paid



MOBILE SOURCE CERTIFICATION AND COMPLIANCE FEE PAYMENT FORM FOR ON-ROAD APPLICATIONS ONLY

CARB USE ONLY

|              |              |
|--------------|--------------|
| Invoice Name | MSF251004-1  |
| Invoice Date | Jun 10, 2026 |

COMPANY INFORMATION

|                          |                                   |
|--------------------------|-----------------------------------|
| Company Name             | Volkswagen Group of America, Inc. |
| Address                  | 3800 Hamlin Road                  |
| City                     | Auburn Hills                      |
| State                    | MI                                |
| Zip                      | 48326                             |
| Country                  | United States                     |
| Contact Name             | Seong Hun Kim                     |
| Contact Telephone Number | 2489314347                        |
| Contact Email            | sunny.kim@vw.com                  |
| CARB Customer Number     | CCAM000085                        |

APPLICATION INFORMATION

| Row Number | Previous Unique Application Identifier | Previously Selected Category Type                                | Previously Selected Fee Type | Paid Amount  | Corrected Unique Application Identifier | Corrected Category Type                                          | Corrected Fee Type | Corrected Amount | Amount Due |
|------------|----------------------------------------|------------------------------------------------------------------|------------------------------|--------------|-----------------------------------------|------------------------------------------------------------------|--------------------|------------------|------------|
| 1          | VVGAV06.5LAB                           | Light-duty vehicle test group and medium-duty vehicle test group | Base                         | \$ 50,309.00 | VVGAV06.5LAB                            | Light-duty vehicle test group and medium-duty vehicle test group | Base               | \$ 50,309.00     | \$ 0.00    |
| 2          | VVGAV06.5LAC                           | Light-duty vehicle test group and medium-duty vehicle test group | Base                         | \$ 50,309.00 | VVGAV04.0LAC                            | Light-duty vehicle test group and medium-duty vehicle test group | Base               | \$ 50,309.00     | \$ 0.00    |
| 3          | VVGAT04.0LFA                           | Light-duty vehicle test group and medium-duty vehicle test group | Base                         | \$ 50,309.00 | VVGAT04.0LFA                            | Light-duty vehicle test group and medium-duty vehicle test group | Base               | \$ 50,309.00     | \$ 0.00    |
| 4          | VVGAT04.0LTA                           | Light-duty vehicle test group and medium-duty vehicle test group | Base                         | \$ 50,309.00 | VVGAT04.0LTA                            | Light-duty vehicle test group and medium-duty vehicle test group | Base               | \$ 50,309.00     | \$ 0.00    |

|                                |               |
|--------------------------------|---------------|
| Total Invoice (MSF251004) Paid | \$ 201,236.00 |
|--------------------------------|---------------|

|                 |               |
|-----------------|---------------|
| Total Corrected | \$ 201,236.00 |
|-----------------|---------------|

|           |         |
|-----------|---------|
| Total Due | \$ 0.00 |
|-----------|---------|

|                                                          |
|----------------------------------------------------------|
| Notes                                                    |
| Changed UID for Row 2 from VVGAV06.5LAC to VVGAV04.0LAC. |

I, [Tony D'Ambrosi](#), attest that any information provided is true, accurate, and complete.

*(Responsible Party Signature Here)*



Automobili Lamborghini S.p.A., a member of the Volkswagen Group

## Application for Emissions Certification

**2027 Model Year**

**Durability Group: VVGAGPGNNLTA**

**Evap. Family: VVGAR0176LCS**

**Test Group: VVGAT04.0LTA**

**Certificate Number: VVGAT04.0LTA-XXX**

**Durability Group Description:** Four Stroke, Otto Cycle, Gasoline Fueled, Direct Fuel Injection, Cat Code: JM842

**Test Group Description:** 4.0 Liter Twin Turbocharged V8 – LDT  
DFI / 2CAC / 2TC / 2WR-HO2S / 2TWC / 2HO2S

**Battery Capacity (kWh): 25.9**

**Applicable Exhaust Standards:** 50 States

Federal: Tier 4 interim Bin 70  
California: LEV III ULEV70

**Applicable Evaporative Standards:** 50 State

Federal: Tier 3      FEL: 500 mg  
California: LEVIII      FEL: 500 mg

**Carlines Covered: Urus SE**

### Vehicles Tested:

| VID          | Config. | Test Type / # |              | Test Type / # |              |
|--------------|---------|---------------|--------------|---------------|--------------|
| LB636_43237  | 0       | 2xUDDS/       | VVGA10094397 | SC03/         | VVGA10094407 |
| LB636_43237  | 0       | HFET/         | VVGA10094400 | Cold CO/      | VVGA10094429 |
| LB636_43237  | 0       | US06/         | VVGA10094403 | 50°F FTP/     | VVGA10094405 |
| LB636_43237  | 0       | CD UDDS/      | VVGA10094515 | CD HWY/       | VVGA10094521 |
| ECFE-9YAH-24 | 3       | 2-Day/        | RPRX10084707 | ORVR/         | RPRX10084708 |
| ECFE-9YAH-24 | 3       | 3-Day/        | RPRX10084709 | Running Loss/ | RPRX10084754 |
|              |         |               |              |               |              |

Issue Date: 06/25/2026

**Questions, Contact:**  
EEO Office, Auburn Hills, Michigan

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## **1. Correspondence and Communication**

Please refer to the Common Section

## 2. Durability Group Description

| Durability Source Basics               |                                 |
|----------------------------------------|---------------------------------|
| Durability Procedure                   | EPA Assigned DF                 |
| Durability Group Name                  | VVGAGPGNNLTA                    |
| Source of Durability Data              | n.a.                            |
| Relation Factor<br>BAT VWADP / BAT SRC | n.a.                            |
| Engine Type                            | Piston                          |
| Combustion Method                      | OTTO CYCLE FOUR<br>STROKE       |
| Fuel Used                              | Gasoline                        |
| Basic Fuel Metering System             | DIRECT INJECTION,<br>MULTIPOINT |
| Displacement [l]                       | 4.0                             |

| Catalyst / After treatment device specifics |                                |                         |
|---------------------------------------------|--------------------------------|-------------------------|
|                                             | Durability Group<br>Statistics | Durability Data Vehicle |
| Catalyst Construction                       |                                | MONOLITH                |
| Precious Metal Composition TWC              |                                | PALLADIUM/RHODIUM       |
| PTOX TWC                                    |                                | n.a.                    |
| NAC:1 SCRC: 2                               |                                | n.a.                    |
| Total Catalyst Volume [l]                   |                                | 5.92                    |
| Total Precious Metal Loading [g]            |                                | 21.03                   |
| Precious Metal Load Rate PM [g] / CV [l]    |                                | 3.55                    |
| Cat. Grouping Statistic                     | 5.2                            | 5.2                     |
| Durability Group Limit (25% or 0.2 g/l)     | 3.9                            | 3.9                     |
| Test Group Covered                          |                                | VVGAT04.0LTA            |

### 3. Evaporative / Refueling Family Description

|                                                |                                 |              |              |
|------------------------------------------------|---------------------------------|--------------|--------------|
|                                                |                                 |              | BETP<br>C/O  |
| Evaporative / Refueling Family Name            |                                 | VVGAR0176LCS | RPRXR0176REH |
| Vapor storage device                           | Canister                        | Yes          | Yes          |
|                                                | Other                           | -            | -            |
| Basic canister design                          | Working Capacity (g)            | 176          | 176          |
|                                                | Bed Volume (cm <sup>3</sup> )   | 2660         | 2790         |
|                                                | Number, config.                 | 1            | 1            |
|                                                | Geometry                        | Other        | Other        |
|                                                | Construction                    | 5-Chamber    | 5-Chamber    |
|                                                | Bleeding trap                   | Yes          | Yes          |
|                                                | Bleed trap Working Capacity (g) | 4- 6g        | 6g           |
|                                                | Material                        | Plastic      | Plastic      |
|                                                |                                 |              |              |
| Fuel System                                    |                                 | DFI          | DFI          |
| Type of refueling system                       | Integrated                      | -            | -            |
|                                                | Non-integrated                  | Yes          | Yes          |
|                                                | Other                           | -            | -            |
| Fill pipe seal mechanism                       | Liquid seal                     | Yes          | Yes          |
|                                                | Mechanical Seal                 | -            | -            |
|                                                | Other                           | -            | -            |
| Method of controlling vapor flow to the engine | Vacuum                          | Yes          | Yes          |
|                                                | Purge valve                     | Yes          | Yes          |
|                                                | Other                           | -            | -            |
| Purge control system                           | Valve type                      | Duty Cycle   | Duty Cycle   |
|                                                | Control                         | ECM          | ECM          |
| Vapor hose material                            | 4 / multi-layer hose            | Yes          | Yes          |
|                                                | Stainless Steel                 | -            | -            |
|                                                | Alloy                           | -            | -            |
| Fuel tank material                             | Metal                           | Yes          | Yes          |
|                                                | Plastic                         | -            | -            |
|                                                | Other                           | -            | -            |
| Test groups combined with this Evap. family    |                                 | VVGAT04.0LTA |              |

#### **4. Durability Procedure Description**

Please refer to the Common Section

## **5.0      Test Group Description**

|                                       |                     |
|---------------------------------------|---------------------|
| Evap. Family:                         | VVGAR0176LCS        |
| Test Group Name:                      | VVGAT04.0LTA        |
| Certificate Number:                   | VVGAT04.0LTA-XXX    |
| Engine displacements covered:         | 4.0 l               |
| Arrangement and number of cylinders:  | V8                  |
| Vehicle class(es) covered:            | LDT                 |
| Federal Emissions Standards Class:    | Tier4 interim BIN70 |
| California Emissions Standards Class: | LEVIII ULEV70       |

## **5.1      Test Group Emission Standards**

Please refer to Certification Summary Information Report included in Section 7 for applicable emission standards.

## 6. Test Vehicle Description

Certificate Number: VVGAT04.0LTA-XXX

Models: Urus SE

Test Group: VVGAT04.0LTA

Evaporative/Refueling Family: VVGAR0176LCS

| VID          | Config. | Vehicle Type | Tests Performed                                      |
|--------------|---------|--------------|------------------------------------------------------|
| LB636_43237  | 0       | EDV          | CS: UDDS, HWY, US06, SC03, Cold FTP, 50deg FTP       |
| LB636_43237  | 0       | FEDV         | CS: UDDS, HWY, US06, SC03, Cold FTP<br>CD: UDDS, HWY |
| ECFE-9YAH-24 | 3       | Evap         | 3Day Evap, 2Day Evap, Running Loss, ORVR             |

## **7. Test Results**

Please refer to the Certification Summary Information Report.

**Certification Summary Information Report**

|                                   |                                   |                                     |                        |
|-----------------------------------|-----------------------------------|-------------------------------------|------------------------|
| <b>Manufacturer</b>               | Volkswagen Group of America, Inc. | <b>Manufacturer Code</b>            | VGA                    |
| <b>Test Group</b>                 | VVGAT04.0LTA                      | <b>Evaporative/Refueling Family</b> | VVGAR0176LCS           |
| <b>Certificate Number</b>         | --                                | <b>CARB Executive Order #</b>       | --                     |
| <b>Certificate Issue Date</b>     | --                                | <b>Certificate Revision Date</b>    | --                     |
| <b>Certificate Effective Date</b> | --                                | <b>Conditional Certificate</b>      | --                     |
| <b>CSI Revision #</b>             | --                                | <b>CSI Submission/Revision Date</b> | 06/25/2026 11:25:35 AM |
| <b>Model Year</b>                 | 2027                              |                                     |                        |

## Certification Summary Information Report

| <b>Test Group</b>                                   | VVGAT04.0LTA                                                                                                                                                                                                    | <b>Evaporative/Refueling Family</b>                        | VVGAR0176LCS               |                              |             |                                      |    |  |  |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|----------------------------|------------------------------|-------------|--------------------------------------|----|--|--|
| <b>Test Group Information</b>                       |                                                                                                                                                                                                                 |                                                            |                            |                              |             |                                      |    |  |  |
| <b>CSI Type</b>                                     | Update for Correction                                                                                                                                                                                           | <b>Running Change Reference Number</b>                     | --                         |                              |             |                                      |    |  |  |
| <b>GHG Exempt Status</b>                            | Not Exempt                                                                                                                                                                                                      |                                                            |                            |                              |             |                                      |    |  |  |
| <b>Drive Sources and Fuel(s)</b>                    |                                                                                                                                                                                                                 |                                                            |                            |                              |             |                                      |    |  |  |
| <b>Drive Source #1:</b>                             | Electric Motor                                                                                                                                                                                                  |                                                            |                            |                              |             |                                      |    |  |  |
|                                                     | <table border="1"> <tr> <th>Fuel</th><th>Basic Fuel Metering System</th><th>Lean Burn Strategy Indicator</th></tr> <tr> <td>Electricity</td><td>--</td><td>--</td></tr> </table>                                | Fuel                                                       | Basic Fuel Metering System | Lean Burn Strategy Indicator | Electricity | --                                   | -- |  |  |
| Fuel                                                | Basic Fuel Metering System                                                                                                                                                                                      | Lean Burn Strategy Indicator                               |                            |                              |             |                                      |    |  |  |
| Electricity                                         | --                                                                                                                                                                                                              | --                                                         |                            |                              |             |                                      |    |  |  |
| <b>Drive Source #2:</b>                             | Combustion Engine                                                                                                                                                                                               |                                                            |                            |                              |             |                                      |    |  |  |
|                                                     | <table border="1"> <tr> <th>Fuel</th><th>Basic Fuel Metering System</th><th>Lean Burn Strategy Indicator</th></tr> <tr> <td>Gasoline</td><td>Spark Ignition Direct fuel injection</td><td>No</td></tr> </table> | Fuel                                                       | Basic Fuel Metering System | Lean Burn Strategy Indicator | Gasoline    | Spark Ignition Direct fuel injection | No |  |  |
| Fuel                                                | Basic Fuel Metering System                                                                                                                                                                                      | Lean Burn Strategy Indicator                               |                            |                              |             |                                      |    |  |  |
| Gasoline                                            | Spark Ignition Direct fuel injection                                                                                                                                                                            | No                                                         |                            |                              |             |                                      |    |  |  |
| <b>Hybrid Indicator</b>                             | Yes                                                                                                                                                                                                             |                                                            |                            |                              |             |                                      |    |  |  |
| <b>Multiple Fuel Storage</b>                        | --                                                                                                                                                                                                              | <b>Rechargeable Energy Storage System Indicator</b>        | Yes                        |                              |             |                                      |    |  |  |
| <b>Multiple Fuel Combustion</b>                     | --                                                                                                                                                                                                              | <b>Off-board Charge Capable Indicator</b>                  | Yes                        |                              |             |                                      |    |  |  |
| <b>Fuel Cell Indicator</b>                          | No                                                                                                                                                                                                              | <b>EPA Vehicle Class</b>                                   | LDT4                       |                              |             |                                      |    |  |  |
| <b>Federal Clean Fuel Vehicle</b>                   | No                                                                                                                                                                                                              | <b>Federal Clean Fuel Vehicle Standard</b>                 | --                         |                              |             |                                      |    |  |  |
| <b>Federal Clean Fuel Vehicle ILEV</b>              | No                                                                                                                                                                                                              | <b>California Partial Zero Emissions Vehicle Indicator</b> | --                         |                              |             |                                      |    |  |  |
| <b>Durability Group Name</b>                        | VVGAGPGNNLTA                                                                                                                                                                                                    | <b>Durability Group Equivalency Factor</b>                 | 1                          |                              |             |                                      |    |  |  |
| <b>Reduced Fee Test Group</b>                       | No                                                                                                                                                                                                              | <b>Certification Region Code(s)</b>                        | FA, CA                     |                              |             |                                      |    |  |  |
| <b>Complies with HD GHG 2b/3 regulations?</b>       | No                                                                                                                                                                                                              |                                                            |                            |                              |             |                                      |    |  |  |
| <b>Introduction into Commerce Date</b>              | --                                                                                                                                                                                                              | <b>CAP2000 Conditional Certificate?</b>                    | N/A                        |                              |             |                                      |    |  |  |
| <b>Independent Commercial Importer?</b>             | --                                                                                                                                                                                                              | <b>Alternative Fuel Converter Certificate?</b>             | --                         |                              |             |                                      |    |  |  |
| <b>SFTP Federal Composite Compliance Identifier</b> | Tier 3                                                                                                                                                                                                          | <b>SFTP Tier 2 Composite CO Option</b>                     | No                         |                              |             |                                      |    |  |  |
| <b>SFTP LEV-III Composite Compliance Indicator</b>  | Yes                                                                                                                                                                                                             |                                                            |                            |                              |             |                                      |    |  |  |
| <b>OBD Compliance Type</b>                          | CARB                                                                                                                                                                                                            | <b>OBD Demonstration Vehicle Test Group</b>                | TVGAT04.0LAA               |                              |             |                                      |    |  |  |
| <b>Test Group OBD Compliance Level</b>              | Full - no deficiencies                                                                                                                                                                                          | <b>Number of Test Group OBD Deficiencies</b>               | 0                          |                              |             |                                      |    |  |  |
| <b>OBD Deficiencies Comments</b>                    | --                                                                                                                                                                                                              |                                                            |                            |                              |             |                                      |    |  |  |
| <b>Mfr Test Group Comments</b>                      | --                                                                                                                                                                                                              |                                                            |                            |                              |             |                                      |    |  |  |
| <b>Mfr Exhaust / Evap Standards Comments</b>        | --                                                                                                                                                                                                              |                                                            |                            |                              |             |                                      |    |  |  |

## Certification Summary Information Report

|                                                                             |                                                  |                                                           |                                                                    |                     |                     |                     |                       |
|-----------------------------------------------------------------------------|--------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------------|---------------------|---------------------|---------------------|-----------------------|
| <b>Test Group</b>                                                           | VVGAT04.0LTA                                     | <b>Evaporative/Refueling Family</b>                       | VVGAR0176LCS                                                       |                     |                     |                     |                       |
| <b>Evaporative/Refueling Family Information</b>                             |                                                  |                                                           |                                                                    |                     |                     |                     |                       |
| <b>Evaporative Summary Information Type</b>                                 | New                                              | <b>Submission/Correction Date</b>                         | 06/11/2026 12:00:26 PM                                             |                     |                     |                     |                       |
| <b>Integrated ORVR?</b>                                                     | No                                               | <b>Fuel(s)</b>                                            | Gasoline                                                           |                     |                     |                     |                       |
| <b>Multiple Fuel Storage</b>                                                | --                                               |                                                           |                                                                    |                     |                     |                     |                       |
| <b>Bladder Fuel Tank?</b>                                                   | No                                               |                                                           |                                                                    |                     |                     |                     |                       |
| <b>Fuel Tank Material</b>                                                   | Metal                                            | <b>Fuel Tank Material Description</b>                     | high-density-polyethylene in multi layer plastic with EVOH-barrier |                     |                     |                     |                       |
| <b>Fill Pipe Seal Type</b>                                                  | Liquid seal                                      |                                                           |                                                                    |                     |                     |                     |                       |
| <b>Air Intake System Vapor Storage Device?</b>                              | No                                               | <b>Air Intake System Vapor Storage Device Description</b> | --                                                                 |                     |                     |                     |                       |
| <b>Fuel System Vapor Storage Canister?</b>                                  | Yes                                              | <b>Other Vapor Storage</b>                                | --                                                                 |                     |                     |                     |                       |
| <b>Fuel System Vapor Storage Canister(s) Total Working Capacity (grams)</b> | 176                                              | <b>Number of Primary Canisters</b>                        | 1                                                                  |                     |                     |                     |                       |
| <b>Number of Bleed Canisters</b>                                            | 1                                                | <b>Bleed Canister Total Working Capacity (grams)</b>      | 6                                                                  |                     |                     |                     |                       |
| <b>Mfr Evaporative/Refueling Family Comments</b>                            | Urus SE                                          |                                                           |                                                                    |                     |                     |                     |                       |
| <b>Leak Family Details</b>                                                  |                                                  |                                                           |                                                                    |                     |                     |                     |                       |
| <b>Leak Family Indicator</b>                                                | Yes                                              |                                                           |                                                                    |                     |                     |                     |                       |
| <b>Canister Bleed Test Indicator</b>                                        | Yes                                              | <b>Applicability of Evaporative Canister Bleed Test</b>   | 50 State                                                           |                     |                     |                     |                       |
| <b>Evaporative Canister Bleed Test Comments</b>                             | --                                               |                                                           |                                                                    |                     |                     |                     |                       |
| <b>CARB Fuel Only (Rig) Test Indicator</b>                                  | No                                               | <b>Applicability of CARB Fuel Only (Rig) Test</b>         | --                                                                 |                     |                     |                     |                       |
| <b>CARB Fuel Only (Rig) Test Comments</b>                                   | --                                               |                                                           |                                                                    |                     |                     |                     |                       |
| <b>Leak Family Name</b>                                                     | <b>Applicability of Leak Family Requirements</b> | <b>Leak Family Standard (inches)</b>                      | <b>Leak Family Description</b>                                     |                     |                     |                     |                       |
| VVGAR0176LCS-001                                                            | 50 State                                         | 0.02                                                      | --                                                                 |                     |                     |                     |                       |
| <b>Models Covered by this Certificate</b>                                   |                                                  |                                                           |                                                                    |                     |                     |                     |                       |
| <b>Carline Manufacturer</b>                                                 | <b>Division</b>                                  | <b>Carline</b>                                            | <b>Certification Region Code(s)</b>                                | <b>Drive System</b> | <b>Trans - Type</b> | <b>- # of Gears</b> | <b>Trans - Lockup</b> |
| Volkswagen Group of America, Inc.                                           | 4 - Lamborghini                                  | 410 - Urus SE                                             | California + CAA Section 177 states                                | All Wheel Drive     | Semi-Automatic      | 8                   | No                    |
| Volkswagen Group of America, Inc.                                           | 4 - Lamborghini                                  | 410 - Urus SE                                             | Federal                                                            | All Wheel Drive     | Semi-Automatic      | 8                   | No                    |
| <b>Engine Description</b>                                                   |                                                  |                                                           |                                                                    |                     |                     |                     |                       |
| <b>Hybrid Type</b>                                                          | IC Engine/Electric Motor                         | <b>Hybrid Description</b>                                 | --                                                                 |                     |                     |                     |                       |
| <b>Engine Type</b>                                                          | 4-Stroke Spark Ignition                          | <b>Mfr Engine Description</b>                             | --                                                                 |                     |                     |                     |                       |
| <b>Engine Block Arrangement</b>                                             | V-shaped engine                                  | <b>Mfr Engine Block Arrangement Description</b>           | --                                                                 |                     |                     |                     |                       |
| <b>Camless Valvetrain Indicator</b>                                         | No                                               | <b>Oil Viscosity/Classification</b>                       | 0W40 VW50200 / VW50500                                             |                     |                     |                     |                       |
| <b>Number of Cylinders/Rotors</b>                                           | 8                                                | <b>Mechanically Variable Compression Ratio Indicator</b>  | N                                                                  |                     |                     |                     |                       |

## Certification Summary Information Report

|                   |              |                                     |              |
|-------------------|--------------|-------------------------------------|--------------|
| <b>Test Group</b> | VVGAT04.0LTA | <b>Evaporative/Refueling Family</b> | VVGAR0176LCS |
|-------------------|--------------|-------------------------------------|--------------|

| <b>After Treatment Device(s) (ATD)</b> |                    |                     |                    |                        |
|----------------------------------------|--------------------|---------------------|--------------------|------------------------|
| ATD Number                             | ATD Type           | ATD Precious Metal  | Substrate Material | Substrate Construction |
| 1                                      | Three-way catalyst | Palladium + Rhodium | Ceramic            | Monolith               |
| 2                                      | Three-way catalyst | Palladium + Rhodium | Ceramic            | Monolith               |

|                                                  |              |
|--------------------------------------------------|--------------|
| <b>Mfr After Treatment Device (ATD) Comments</b> | --           |
| <b>Direct Ozone Reduction (DOR) Device</b>       | Not Equipped |
| <b>Mfr Emission Control Device Comments</b>      | --           |

|                                                 |                                                                                                                                                                                                                                                                                                |                                                         |     |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----|
| <b>Engine Configuration Number 1</b>            |                                                                                                                                                                                                                                                                                                |                                                         |     |
| <b>Engine Displacement (liters)</b>             | 4.0                                                                                                                                                                                                                                                                                            | <b>Engine Rated Horsepower</b>                          | 611 |
| <b>Number of Inlet Valves Per Cylinder</b>      | 2                                                                                                                                                                                                                                                                                              | <b>Number of Exhaust Valves Per Cylinder</b>            | 2   |
| <b>Air Aspiration Method</b>                    | Turbocharged                                                                                                                                                                                                                                                                                   | <b>Number of Air Aspiration Devices</b>                 | 2   |
| <b>Air Aspiration Device Configuration</b>      | Parallel                                                                                                                                                                                                                                                                                       | <b>Charge Air Cooler Type</b>                           | Air |
| <b>Air Aspiration Drive Method(s)</b>           | Mechanical                                                                                                                                                                                                                                                                                     |                                                         |     |
| <b>Cylinder Deactivation</b>                    | No                                                                                                                                                                                                                                                                                             |                                                         |     |
| <b>Cylinder Deactivation Description</b>        | --                                                                                                                                                                                                                                                                                             |                                                         |     |
| <b>Variable Valve Timing</b>                    | Yes                                                                                                                                                                                                                                                                                            |                                                         |     |
| <b>Variable Valve Timing System Description</b> | The variable valve timing is a substantial engine feature for: - Reducing engine out emissions - Optimizing full load performance - Optimizing fuel consumption - Reducing engine roughness - Adjust the inlet and outlet camshaft position continuously between retard and advanced position. |                                                         |     |
| <b>Variable Valve Lift?</b>                     | No                                                                                                                                                                                                                                                                                             |                                                         |     |
| <b>Variable Valve Lift System Description</b>   | --                                                                                                                                                                                                                                                                                             |                                                         |     |
| <b>Number of Knock Sensors</b>                  | 4                                                                                                                                                                                                                                                                                              | <b>Number of Air/Fuel Sensors</b>                       | 4   |
| <b>Air/Fuel Sensor # 1 Type</b>                 | Heated oxygen                                                                                                                                                                                                                                                                                  | <b>Air/Fuel Sensor # 1 Description</b>                  | --  |
| <b>Air/Fuel Sensor # 2 Type</b>                 | Heated oxygen                                                                                                                                                                                                                                                                                  | <b>Air/Fuel Sensor # 2 Description</b>                  | --  |
| <b>Air/Fuel Sensor # 3 Type</b>                 | Heated oxygen                                                                                                                                                                                                                                                                                  | <b>Air/Fuel Sensor # 3 Description</b>                  | --  |
| <b>Air/Fuel Sensor # 4 Type</b>                 | Heated oxygen                                                                                                                                                                                                                                                                                  | <b>Air/Fuel Sensor # 4 Description</b>                  | --  |
| <b>Mfr Air/Fuel Sensor Comments</b>             | --                                                                                                                                                                                                                                                                                             |                                                         |     |
| <b>Exhaust Gas Recirculation</b>                | No                                                                                                                                                                                                                                                                                             | <b>Cooled Exhaust Gas Recirculation</b>                 | No  |
| <b>EGR Type</b>                                 | --                                                                                                                                                                                                                                                                                             | <b>Exhaust Gas Recirculation Description if 'Other'</b> | --  |
| <b>Closed Loop Air Injection System</b>         | No                                                                                                                                                                                                                                                                                             |                                                         |     |
| <b>Air Injection Type</b>                       | Not Applicable                                                                                                                                                                                                                                                                                 | <b>Air Injection Type if 'Other'</b>                    | --  |
| <b>Mfr Engine Configuration Comments</b>        | Applies to DWHE var: 0                                                                                                                                                                                                                                                                         |                                                         |     |

## Certification Summary Information Report

| Test Group                                               |                                                                           | VVGAT04.0LTA                                 |              | Evaporative/Refueling Family |              | VVGAR0176LCS          |                           |                          |                              |                       |
|----------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------|--------------|------------------------------|--------------|-----------------------|---------------------------|--------------------------|------------------------------|-----------------------|
| <b>Official Test Numbers</b>                             |                                                                           |                                              |              |                              |              |                       |                           |                          |                              |                       |
| 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                                              | VVGA10094397                                                              | VVGA10094403                                 | VVGA10094407 | VVGA10094429                 | VVGA10094400 | --                    | --                        | --                       | --                           | --                    |
| Gasoline                                                 | VVGA10094397                                                              | VVGA10094403                                 | VVGA10094407 | VVGA10094429                 | VVGA10094400 | --                    | 5.8                       | --                       | 9.2                          | --                    |
| <b>SFTP LEV-III Official Test Numbers</b>                |                                                                           |                                              |              |                              |              |                       |                           |                          |                              |                       |
| Test Group Fuel                                          | FTP                                                                       | US06                                         | SC03         |                              |              |                       |                           |                          |                              |                       |
| Gasoline                                                 | VVGA10094397                                                              | VVGA10094403                                 | VVGA10094407 |                              |              |                       |                           |                          |                              |                       |
| Electricity                                              | VVGA10094397                                                              | VVGA10094403                                 | VVGA10094407 |                              |              |                       |                           |                          |                              |                       |
| <b>Official Charge Depleting Test Numbers</b>            |                                                                           |                                              |              |                              |              |                       |                           |                          |                              |                       |
| Test Group Fuel                                          | UDDS                                                                      | Highway                                      |              |                              |              |                       |                           |                          |                              |                       |
| Electricity                                              | VVGA10094515                                                              | VVGA10094521                                 |              |                              |              |                       |                           |                          |                              |                       |
| Gasoline                                                 | VVGA10094515                                                              | VVGA10094521                                 |              |                              |              |                       |                           |                          |                              |                       |
| <b>Hybrid Electric Vehicle And Fuel Cell Information</b> |                                                                           |                                              |              |                              |              |                       |                           |                          |                              |                       |
| Rechargeable Energy Storage System                       | Battery(s)                                                                | Rechargeable Energy Storage System, if Other | --           |                              |              |                       |                           |                          |                              |                       |
| Battery Type                                             | Lithium Ion                                                               | Number of Battery Packs                      | 1            |                              |              |                       |                           |                          |                              |                       |
| Total Voltage of Battery Packs                           | 370                                                                       | Battery Energy Capacity                      | 70.00        |                              |              |                       |                           |                          |                              |                       |
| Battery Specific Energy                                  | 164.1                                                                     | Battery Charger Type                         | Off-Board    |                              |              |                       |                           |                          |                              |                       |
| Number of Capacitors                                     | --                                                                        | Capacitor Rating (In Farads)                 | --           |                              |              |                       |                           |                          |                              |                       |
| Mfr Capacitor Comments                                   | --                                                                        |                                              |              |                              |              |                       |                           |                          |                              |                       |
| Hydraulic System Description                             | --                                                                        |                                              |              |                              |              |                       |                           |                          |                              |                       |
| Regenerative Braking Type                                | Electrical Regen Brake                                                    |                                              |              |                              |              |                       |                           |                          |                              |                       |
| Regenerative Braking Source                              | Both                                                                      | Driver Controlled Regenerative Braking       | No           |                              |              |                       |                           |                          |                              |                       |
| Mfr Regenerative Braking Description                     | --                                                                        |                                              |              |                              |              |                       |                           |                          |                              |                       |
| Drive Motor(s)/Generator(s)                              | 1                                                                         |                                              |              |                              |              |                       |                           |                          |                              |                       |
| Motor/Generator Type 1                                   | AC 3-phase                                                                | Rated Motor/Generator Power                  | 141          |                              |              |                       |                           |                          |                              |                       |
| Mfr Fuel Cell Description                                | --                                                                        |                                              |              |                              |              |                       |                           |                          |                              |                       |
| Fuel Cell On-Board H2 Storage Capacity (kg)              | --                                                                        | Usable H2 Fill Capacity (kg)                 | --           |                              |              |                       |                           |                          |                              |                       |
| Mfr Hybrid Electric/ Electric Vehicle Comments           | 1 battery, no modules. Number of battery cells = 103 ; 1 e-motors @ 141kW |                                              |              |                              |              |                       |                           |                          |                              |                       |

## Certification Summary Information Report

|                   |              |                                     |              |
|-------------------|--------------|-------------------------------------|--------------|
| <b>Test Group</b> | VVGAT04.0LTA | <b>Evaporative/Refueling Family</b> | VVGAR0176LCS |
|-------------------|--------------|-------------------------------------|--------------|

  
**Emission Data Vehicle Information**

|                                         |                  |                                                  |              |
|-----------------------------------------|------------------|--------------------------------------------------|--------------|
| <b>Vehicle ID / Configuration</b>       | ECFE-9YAH-24 / 3 | <b>Manufacturer Vehicle Configuration Number</b> | 0            |
| <b>Original Test Group Name</b>         | RPRXT03.0CH6     | <b>Original Evaporative/Refueling Family</b>     | RPRXR0176REH |
| <b>Original Test Vehicle Model Year</b> | 2024             |                                                  |              |

  
**Vehicle Model**

|                                      |         |                                       |                  |
|--------------------------------------|---------|---------------------------------------|------------------|
| <b>Represented Test Vehicle Make</b> | Porsche | <b>Represented Test Vehicle Model</b> | Cayenne E-Hybrid |
|--------------------------------------|---------|---------------------------------------|------------------|

  
**Leak Family Details**

|                               |    |                         |    |
|-------------------------------|----|-------------------------|----|
| <b>Leak Family Identifier</b> | -- | <b>Leak Family Name</b> | -- |
|-------------------------------|----|-------------------------|----|

  
**Drive Sources and Fuel System Details**

| Drive Source and Fuel# | Drive Source      | Fuel        |
|------------------------|-------------------|-------------|
| 1                      | Electric Motor    | Electricity |
| 2                      | Combustion Engine | Gasoline    |

|                                           |                                                                                                 |                                                       |                 |
|-------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------|-----------------|
| <b>Hybrid Indicator</b>                   | Yes                                                                                             |                                                       |                 |
| <b>Multiple Fuel Storage</b>              | --                                                                                              | <b>Multiple Fuel Combustion</b>                       | --              |
| <b>Fuel Cell Indicator</b>                | No                                                                                              | <b>Rechargeable Energy Storage System Indicator</b>   | Yes             |
| <b>Rechargeable Energy Storage System</b> | Battery(s)                                                                                      | <b>Rechargeable Energy Storage System, if 'Other'</b> | --              |
| <b>Off-board charge Capable Indicator</b> | Yes                                                                                             |                                                       |                 |
| <b>Odometer Correction -- Initial</b>     | 0                                                                                               | <b>Odometer Correction Factor</b>                     | 1               |
| <b>Odometer Correction Sign</b>           | + = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles |                                                       |                 |
| <b>Odometer Correction Units</b>          | Miles                                                                                           |                                                       |                 |
| <b>Engine Code</b>                        | DCB                                                                                             | <b>Rated Horsepower</b>                               | 348             |
| <b>Displacement (liters)</b>              | 3                                                                                               |                                                       |                 |
| <b>Air Aspiration Method</b>              | Turbocharged                                                                                    | <b>Air Aspiration Method, if 'Other'</b>              |                 |
| <b>Number of Air Aspiration Devices</b>   | 1                                                                                               | <b>Air Aspiration Device Configuration</b>            | Single          |
| <b>Charge Air Cooler Type</b>             | Air                                                                                             | <b>Drive Mode While Testing</b>                       | All Wheel Drive |
| <b>Shift Indicator Light Usage</b>        | Not equipped                                                                                    | <b>Aged Emission Components</b>                       | 4,000 (mi)      |
| <b>Curb Weight (lbs)</b>                  | 5525                                                                                            | <b>Equivalent Test Weight (pounds)</b>                | 6000            |
| <b>GVWR (lbs)</b>                         | 6889                                                                                            | <b>N/V Ratio</b>                                      | 24              |
| <b>Axle Ratio</b>                         | 3.21                                                                                            |                                                       |                 |
| <b>Transmission Type</b>                  | Semi-Automatic                                                                                  | <b># of Transmission Gears</b>                        | 8               |
| <b>Transmission Lockup</b>                | Yes                                                                                             | <b>Creeper Gear</b>                                   | No              |

  
**Dynamometer Coefficients:**

| Target Coefficients  |         |             | Set Coefficients |         |             | EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients |                |
|----------------------|---------|-------------|------------------|---------|-------------|-------------------------------------------------------------------------------|----------------|
| Coefficient Category | A (lbf) | B (lbf/mph) | C (lbf/mph**2)   | A (lbf) | B (lbf/mph) |                                                                               | C (lbf/mph**2) |
| City/Highway/Evap    | 49.86   | 0.0383      | 0.03191          | 22.48   | 0.1809      | 0.03197                                                                       | 17.5           |

## Certification Summary Information Report

| <b>Test Group</b>                                                                                                                                                                                                                                                           | VVGAT04.0LTA                                          | <b>Evaporative/Refueling Family</b>                      | VVGAR0176LCS                                       |                       |                       |                                                          |                                                           |                  |    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------|-----------------------|-----------------------|----------------------------------------------------------|-----------------------------------------------------------|------------------|----|
| <b>Emission Control Device Comments</b>                                                                                                                                                                                                                                     | TWC/MAP/DFI/WR-HO2S/HO2S/1TC/2CAC                     |                                                          |                                                    |                       |                       |                                                          |                                                           |                  |    |
| <b>Manufacturer Test Vehicle Comments</b>                                                                                                                                                                                                                                   | Cayenne E-Hybrid (plug-in hybrid), EVAP Configuration |                                                          |                                                    |                       |                       |                                                          |                                                           |                  |    |
| <b>Test #</b>                                                                                                                                                                                                                                                               | <b>RPRX10084707</b>                                   | <b>Test Procedure</b>                                    | <b>23 - 2-day evap</b>                             |                       |                       |                                                          |                                                           |                  |    |
| <b>Exhaust Test # for this Evap Test</b>                                                                                                                                                                                                                                    | RPRX10084704                                          | <b>Test Fuel Type</b>                                    | 49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.) |                       |                       |                                                          |                                                           |                  |    |
| <b>Test Date</b>                                                                                                                                                                                                                                                            | 01/20/2023                                            | <b>Fuel</b>                                              | Gasoline                                           |                       |                       |                                                          |                                                           |                  |    |
| <b>Fuel Batch ID</b>                                                                                                                                                                                                                                                        | W22                                                   | <b>Fuel Calibration Number</b>                           | 24                                                 |                       |                       |                                                          |                                                           |                  |    |
| <b>Vehicle Class</b>                                                                                                                                                                                                                                                        | N/A                                                   | <b>DF Type</b>                                           | EPA Assigned                                       |                       |                       |                                                          |                                                           |                  |    |
| <b>Verify Test Lab ID</b>                                                                                                                                                                                                                                                   | Porsche AG, Labs and Engineering                      |                                                          |                                                    |                       |                       |                                                          |                                                           |                  |    |
| <b>E10 Evaporative Test Measurement Method</b>                                                                                                                                                                                                                              | Calculated (1.08 x FID Total Hydrocarbons)            |                                                          |                                                    |                       |                       |                                                          |                                                           |                  |    |
| <b>Test Start Odometer Reading</b>                                                                                                                                                                                                                                          | 5309                                                  | <b>Odometer Units</b>                                    | M                                                  |                       |                       |                                                          |                                                           |                  |    |
| <b>4WD Test Dyno</b>                                                                                                                                                                                                                                                        | Yes                                                   | <b>Diesel Adjustment Factor Usage</b>                    | --                                                 |                       |                       |                                                          |                                                           |                  |    |
| <b>State of Charge Delta</b>                                                                                                                                                                                                                                                | Yes                                                   |                                                          |                                                    |                       |                       |                                                          |                                                           |                  |    |
| <b>Drive Cycle Speed Tolerance Criteria</b>                                                                                                                                                                                                                                 | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)             | <b>Road Speed Fan Usage</b>                              | Yes                                                |                       |                       |                                                          |                                                           |                  |    |
| <b>Test Results</b>                                                                                                                                                                                                                                                         |                                                       |                                                          |                                                    |                       |                       |                                                          |                                                           |                  |    |
| <table border="1"> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value (miles per gallon)</th> </tr> <tr> <td>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</td> <td>0.1223</td> <td>--</td> </tr> </table> |                                                       |                                                          |                                                    | Test Result Name      | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) | HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only) | 0.1223           | -- |
| Test Result Name                                                                                                                                                                                                                                                            | Unrounded Test Result                                 | Verify Calculated FE Equivalent Value (miles per gallon) |                                                    |                       |                       |                                                          |                                                           |                  |    |
| HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)                                                                                                                                                                                                                   | 0.1223                                                | --                                                       |                                                    |                       |                       |                                                          |                                                           |                  |    |
| <b>Manufacturer Test Comments</b>                                                                                                                                                                                                                                           |                                                       |                                                          |                                                    |                       |                       |                                                          |                                                           |                  |    |
| 2-day evap, E10 fuel; Porsche test number 23059064                                                                                                                                                                                                                          |                                                       |                                                          |                                                    |                       |                       |                                                          |                                                           |                  |    |
| <b>Certification Region</b>                                                                                                                                                                                                                                                 | <b>Useful Life</b>                                    | <b>Standard Level</b>                                    | <b>Emission Name</b>                               | <b>Rounded Result</b> | <b>Add DF</b>         | <b>Certification Level</b>                               | <b>Standard</b>                                           | <b>Pass/Fail</b> |    |
| Fed                                                                                                                                                                                                                                                                         | 150,000 miles                                         | Federal Tier 3 Evap                                      | HC-TOTAL-EQUIV                                     | 0.1223                | 0.0030                | 0.125                                                    | 0.500                                                     | Pass             |    |
| CA                                                                                                                                                                                                                                                                          | 150,000 miles                                         | California LEV-III Zero Evap (Option 2)                  | HC-TOTAL-EQUIV                                     | 0.1223                | 0.0030                | 0.125                                                    | 0.500                                                     | Pass             |    |

## Certification Summary Information Report

|                                                |                                            |                                       |                                                    |
|------------------------------------------------|--------------------------------------------|---------------------------------------|----------------------------------------------------|
| <b>Test Group</b>                              | VVGAT04.0LTA                               | <b>Evaporative/Refueling Family</b>   | VVGAR0176LCS                                       |
| <b>Test #</b>                                  | <b>RPRX10084709</b>                        | <b>Test Procedure</b>                 | <b>34 - Federal fuel 3-day evap</b>                |
| <b>Exhaust Test # for this Evap Test</b>       | RPRX10084705                               | <b>Test Fuel Type</b>                 | 49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.) |
| <b>Test Date</b>                               | 10/27/2023                                 | <b>Fuel</b>                           | Gasoline                                           |
| <b>Fuel Batch ID</b>                           | W22                                        | <b>Fuel Calibration Number</b>        | 24                                                 |
| <b>Vehicle Class</b>                           | N/A                                        | <b>DF Type</b>                        | EPA Assigned                                       |
| <b>Verify Test Lab ID</b>                      | Porsche AG, Labs and Engineering           |                                       |                                                    |
| <b>E10 Evaporative Test Measurement Method</b> | Calculated (1.08 x FID Total Hydrocarbons) |                                       |                                                    |
| <b>Test Start Odometer Reading</b>             | 4619                                       | <b>Odometer Units</b>                 | M                                                  |
| <b>4WD Test Dyno</b>                           | Yes                                        | <b>Diesel Adjustment Factor Usage</b> | --                                                 |
| <b>State of Charge Delta</b>                   | Yes                                        |                                       |                                                    |
| <b>Drive Cycle Speed Tolerance Criteria</b>    | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)  | <b>Road Speed Fan Usage</b>           | Yes                                                |

## Test Results

| Test Result Name                                                 | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |
|------------------------------------------------------------------|-----------------------|----------------------------------------------------------|
| <b>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</b> | 0.2156                | --                                                       |

## Manufacturer Test Comments

3-day evap, E10 fuel; Porsche test number 23047273

| Certification Region | Useful Life   | Standard Level                          | Emission Name  | Rounded Result | Add DF | Certification Level | Standard | Pass/Fail |
|----------------------|---------------|-----------------------------------------|----------------|----------------|--------|---------------------|----------|-----------|
| Fed                  | 150,000 miles | Federal Tier 3 Evap                     | HC-TOTAL-EQUIV | 0.2156         | 0.0067 | 0.222               | 0.500    | Pass      |
| CA                   | 150,000 miles | California LEV-III Zero Evap (Option 2) | HC-TOTAL-EQUIV | 0.2156         | 0.0067 | 0.222               | 0.500    | Pass      |

## Certification Summary Information Report

| Test Group                                                                                                                                                                                                                                                                                     | VVGAT04.0LTA                               | Evaporative/Refueling Family                             | VVGAR0176LCS                                       |                       |                       |                                                          |                                            |                  |    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------------------------------|----------------------------------------------------|-----------------------|-----------------------|----------------------------------------------------------|--------------------------------------------|------------------|----|
| <b>Test #</b>                                                                                                                                                                                                                                                                                  | <b>RPRX10084708</b>                        | <b>Test Procedure</b>                                    | <b>24 - Federal fuel refueling test (ORVR)</b>     |                       |                       |                                                          |                                            |                  |    |
| <b>Exhaust Test # for this Evap Test</b>                                                                                                                                                                                                                                                       | RPRX10084704                               | <b>Test Fuel Type</b>                                    | 49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.) |                       |                       |                                                          |                                            |                  |    |
| <b>Test Date</b>                                                                                                                                                                                                                                                                               | 11/03/2023                                 | <b>Fuel</b>                                              | Gasoline                                           |                       |                       |                                                          |                                            |                  |    |
| <b>Fuel Batch ID</b>                                                                                                                                                                                                                                                                           | W22                                        | <b>Fuel Calibration Number</b>                           | 24                                                 |                       |                       |                                                          |                                            |                  |    |
| <b>Vehicle Class</b>                                                                                                                                                                                                                                                                           | N/A                                        | <b>DF Type</b>                                           | EPA Assigned                                       |                       |                       |                                                          |                                            |                  |    |
| <b>Verify Test Lab ID</b>                                                                                                                                                                                                                                                                      | Porsche AG, Labs and Engineering           |                                                          |                                                    |                       |                       |                                                          |                                            |                  |    |
| <b>E10 Evaporative Test Measurement Method</b>                                                                                                                                                                                                                                                 | Calculated (1.08 x FID Total Hydrocarbons) |                                                          |                                                    |                       |                       |                                                          |                                            |                  |    |
| <b>Test Start Odometer Reading</b>                                                                                                                                                                                                                                                             | 4627                                       | <b>Odometer Units</b>                                    | M                                                  |                       |                       |                                                          |                                            |                  |    |
| <b>4WD Test Dyno</b>                                                                                                                                                                                                                                                                           | Yes                                        | <b>Diesel Adjustment Factor Usage</b>                    | --                                                 |                       |                       |                                                          |                                            |                  |    |
| <b>State of Charge Delta</b>                                                                                                                                                                                                                                                                   | Yes                                        |                                                          |                                                    |                       |                       |                                                          |                                            |                  |    |
| <b>Drive Cycle Speed Tolerance Criteria</b>                                                                                                                                                                                                                                                    | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)  | <b>Road Speed Fan Usage</b>                              | Yes                                                |                       |                       |                                                          |                                            |                  |    |
| <b>Test Results</b>                                                                                                                                                                                                                                                                            |                                            |                                                          |                                                    |                       |                       |                                                          |                                            |                  |    |
| <table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value (miles per gallon)</th> </tr> </thead> <tbody> <tr> <td>HC (Hydrocarbon for Running Loss and ORVR)</td> <td>0.0048</td> <td>--</td> </tr> </tbody> </table> |                                            |                                                          |                                                    | Test Result Name      | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) | HC (Hydrocarbon for Running Loss and ORVR) | 0.0048           | -- |
| Test Result Name                                                                                                                                                                                                                                                                               | Unrounded Test Result                      | Verify Calculated FE Equivalent Value (miles per gallon) |                                                    |                       |                       |                                                          |                                            |                  |    |
| HC (Hydrocarbon for Running Loss and ORVR)                                                                                                                                                                                                                                                     | 0.0048                                     | --                                                       |                                                    |                       |                       |                                                          |                                            |                  |    |
| <b>Manufacturer Test Comments</b>                                                                                                                                                                                                                                                              |                                            |                                                          |                                                    |                       |                       |                                                          |                                            |                  |    |
| ORVR for evap; E10 fuel; Porsche test number 23047275                                                                                                                                                                                                                                          |                                            |                                                          |                                                    |                       |                       |                                                          |                                            |                  |    |
| <b>Certification Region</b>                                                                                                                                                                                                                                                                    | <b>Useful Life</b>                         | <b>Standard Level</b>                                    | <b>Emission Name</b>                               | <b>Rounded Result</b> | <b>Add DF</b>         | <b>Certification Level</b>                               | <b>Standard</b>                            | <b>Pass/Fail</b> |    |
| Fed                                                                                                                                                                                                                                                                                            | 150,000 miles                              | Federal Tier 3 Evap                                      | HC                                                 | 0.005                 | 0.005                 | 0.01                                                     | 0.20                                       | Pass             |    |
| CA                                                                                                                                                                                                                                                                                             | 150,000 miles                              | California LEV-III Zero Evap (Option 2)                  | HC                                                 | 0.005                 | 0.005                 | 0.01                                                     | 0.20                                       | Pass             |    |

## Certification Summary Information Report

| Test Group                                     | VVGAT04.0LTA                               | Evaporative/Refueling Family          | VVGAR0176LCS                                       |
|------------------------------------------------|--------------------------------------------|---------------------------------------|----------------------------------------------------|
| <b>Test #</b>                                  | <b>RPRX10084754</b>                        | <b>Test Procedure</b>                 | <b>32 - Federal Fuel Running Loss</b>              |
| <b>Exhaust Test # for this Evap Test</b>       | RPRX10084705                               | <b>Test Fuel Type</b>                 | 49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.) |
| <b>Test Date</b>                               | 10/27/2023                                 | <b>Fuel</b>                           | Gasoline                                           |
| <b>Fuel Batch ID</b>                           | W22                                        | <b>Fuel Calibration Number</b>        | 24                                                 |
| <b>Vehicle Class</b>                           | N/A                                        | <b>DF Type</b>                        | EPA Assigned                                       |
| <b>Verify Test Lab ID</b>                      | Porsche AG, Labs and Engineering           |                                       |                                                    |
| <b>E10 Evaporative Test Measurement Method</b> | Calculated (1.08 x FID Total Hydrocarbons) |                                       |                                                    |
| <b>Test Start Odometer Reading</b>             | 4601                                       | <b>Odometer Units</b>                 | M                                                  |
| <b>4WD Test Dyno</b>                           | Yes                                        | <b>Diesel Adjustment Factor Usage</b> | --                                                 |
| <b>State of Charge Delta</b>                   | Yes                                        |                                       |                                                    |
| <b>Drive Cycle Speed Tolerance Criteria</b>    | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)  | <b>Road Speed Fan Usage</b>           | --                                                 |

## Test Results

| Test Result Name                                          | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |
|-----------------------------------------------------------|-----------------------|----------------------------------------------------------|
| HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only) | 0                     | --                                                       |

## Manufacturer Test Comments

Running Loss test, E10 fuel; Porsche test number 23047270

| Certification Region | Useful Life   | Standard Level                          | Emission Name  | Rounded Result | Add DF | Certification Level | Standard | Pass/Fail |
|----------------------|---------------|-----------------------------------------|----------------|----------------|--------|---------------------|----------|-----------|
| Fed                  | 150,000 miles | Federal Tier 3 Evap                     | HC-TOTAL-EQUIV | 0.000          | 0.000  | 0.00                | 0.05     | Pass      |
| CA                   | 150,000 miles | California LEV-III Zero Evap (Option 2) | HC-TOTAL-EQUIV | 0.000          | 0.000  | 0.00                | 0.05     | Pass      |

## Certification Summary Information Report

| <b>Test Group</b>                                                                                                                                                                                                                                                         | VVGAT04.0LTA                                                                                    | <b>Evaporative/Refueling Family</b>                   | VVGAR0176LCS     |                        |              |      |   |                |             |   |                   |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------|------------------|------------------------|--------------|------|---|----------------|-------------|---|-------------------|----------|
| <b>Emission Data Vehicle Information</b>                                                                                                                                                                                                                                  |                                                                                                 |                                                       |                  |                        |              |      |   |                |             |   |                   |          |
| <b>Vehicle ID / Configuration</b>                                                                                                                                                                                                                                         | LB636_43237 / 0                                                                                 | <b>Manufacturer Vehicle Configuration Number</b>      | 0                |                        |              |      |   |                |             |   |                   |          |
| <b>Original Test Group Name</b>                                                                                                                                                                                                                                           | VVGAT04.0LAA                                                                                    | <b>Original Evaporative/Refueling Family</b>          | VVGAR0176LCS     |                        |              |      |   |                |             |   |                   |          |
| <b>Original Test Vehicle Model Year</b>                                                                                                                                                                                                                                   | 2027                                                                                            |                                                       |                  |                        |              |      |   |                |             |   |                   |          |
| <b>Vehicle Model</b>                                                                                                                                                                                                                                                      |                                                                                                 |                                                       |                  |                        |              |      |   |                |             |   |                   |          |
| <b>Represented Test Vehicle Make</b>                                                                                                                                                                                                                                      | Lamborghini                                                                                     | <b>Represented Test Vehicle Model</b>                 | URUS SE          |                        |              |      |   |                |             |   |                   |          |
| <b>Leak Family Details</b>                                                                                                                                                                                                                                                |                                                                                                 |                                                       |                  |                        |              |      |   |                |             |   |                   |          |
| <b>Leak Family Identifier</b>                                                                                                                                                                                                                                             | 001                                                                                             | <b>Leak Family Name</b>                               | VVGAR0176LCS-001 |                        |              |      |   |                |             |   |                   |          |
| <b>Drive Sources and Fuel System Details</b>                                                                                                                                                                                                                              |                                                                                                 |                                                       |                  |                        |              |      |   |                |             |   |                   |          |
| <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> <tr> <td>2</td><td>Combustion Engine</td><td>Gasoline</td></tr> </tbody> </table> |                                                                                                 |                                                       |                  | Drive Source and Fuel# | Drive Source | Fuel | 1 | Electric Motor | Electricity | 2 | Combustion Engine | Gasoline |
| Drive Source and Fuel#                                                                                                                                                                                                                                                    | Drive Source                                                                                    | Fuel                                                  |                  |                        |              |      |   |                |             |   |                   |          |
| 1                                                                                                                                                                                                                                                                         | Electric Motor                                                                                  | Electricity                                           |                  |                        |              |      |   |                |             |   |                   |          |
| 2                                                                                                                                                                                                                                                                         | Combustion Engine                                                                               | Gasoline                                              |                  |                        |              |      |   |                |             |   |                   |          |
| <b>Hybrid Indicator</b>                                                                                                                                                                                                                                                   | Yes                                                                                             |                                                       |                  |                        |              |      |   |                |             |   |                   |          |
| <b>Multiple Fuel Storage</b>                                                                                                                                                                                                                                              | --                                                                                              | <b>Multiple Fuel Combustion</b>                       | --               |                        |              |      |   |                |             |   |                   |          |
| <b>Fuel Cell Indicator</b>                                                                                                                                                                                                                                                | No                                                                                              | <b>Rechargeable Energy Storage System Indicator</b>   | Yes              |                        |              |      |   |                |             |   |                   |          |
| <b>Rechargeable Energy Storage System</b>                                                                                                                                                                                                                                 | Battery(s)                                                                                      | <b>Rechargeable Energy Storage System, if 'Other'</b> | --               |                        |              |      |   |                |             |   |                   |          |
| <b>Off-board charge Capable Indicator</b>                                                                                                                                                                                                                                 | Yes                                                                                             |                                                       |                  |                        |              |      |   |                |             |   |                   |          |
| <b>Odometer Correction -- Initial</b>                                                                                                                                                                                                                                     | 0                                                                                               | <b>Odometer Correction Factor</b>                     | 1.0049           |                        |              |      |   |                |             |   |                   |          |
| <b>Odometer Correction Sign</b>                                                                                                                                                                                                                                           | - = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor |                                                       |                  |                        |              |      |   |                |             |   |                   |          |
| <b>Odometer Correction Units</b>                                                                                                                                                                                                                                          | Miles                                                                                           |                                                       |                  |                        |              |      |   |                |             |   |                   |          |
| <b>Engine Code</b>                                                                                                                                                                                                                                                        | DWHE                                                                                            | <b>Rated Horsepower</b>                               | 612              |                        |              |      |   |                |             |   |                   |          |
| <b>Displacement (liters)</b>                                                                                                                                                                                                                                              | 3.996                                                                                           |                                                       |                  |                        |              |      |   |                |             |   |                   |          |
| <b>Air Aspiration Method</b>                                                                                                                                                                                                                                              | Turbocharged                                                                                    | <b>Air Aspiration Method, if 'Other'</b>              |                  |                        |              |      |   |                |             |   |                   |          |
| <b>Number of Air Aspiration Devices</b>                                                                                                                                                                                                                                   | 2                                                                                               | <b>Air Aspiration Device Configuration</b>            | Parallel         |                        |              |      |   |                |             |   |                   |          |
| <b>Charge Air Cooler Type</b>                                                                                                                                                                                                                                             | Liquid                                                                                          | <b>Drive Mode While Testing</b>                       | All Wheel Drive  |                        |              |      |   |                |             |   |                   |          |
| <b>Shift Indicator Light Usage</b>                                                                                                                                                                                                                                        | Not equipped                                                                                    | <b>Aged Emission Components</b>                       | 4,000 (mi)       |                        |              |      |   |                |             |   |                   |          |
| <b>Curb Weight (lbs)</b>                                                                                                                                                                                                                                                  | 5831                                                                                            | <b>Equivalent Test Weight (pounds)</b>                | 6000             |                        |              |      |   |                |             |   |                   |          |
| <b>GVWR (lbs)</b>                                                                                                                                                                                                                                                         | 7022                                                                                            | <b>N/V Ratio</b>                                      | 21.6             |                        |              |      |   |                |             |   |                   |          |
| <b>Axle Ratio</b>                                                                                                                                                                                                                                                         | 2.95                                                                                            |                                                       |                  |                        |              |      |   |                |             |   |                   |          |
| <b>Transmission Type</b>                                                                                                                                                                                                                                                  | Automated Manual- Selectable (e.g. Automated Manual with paddles)                               | <b># of Transmission Gears</b>                        | 8                |                        |              |      |   |                |             |   |                   |          |
| <b>Transmission Lockup</b>                                                                                                                                                                                                                                                | No                                                                                              | <b>Creep Gear</b>                                     | No               |                        |              |      |   |                |             |   |                   |          |

Certification Summary Information Report

|                                    |         |                                            |                |                  |                              |                |                                                                                  |  |
|------------------------------------|---------|--------------------------------------------|----------------|------------------|------------------------------|----------------|----------------------------------------------------------------------------------|--|
| Test Group                         |         | VVGAT04.0LTA                               |                |                  | Evaporative/Refueling Family |                | VVGAR0176LCS                                                                     |  |
| Dynamometer Coefficients:          |         |                                            |                |                  |                              |                |                                                                                  |  |
| Target Coefficients                |         |                                            |                | Set Coefficients |                              |                | EPA Calculated Total Road Load Horse Power for<br>City/Highway/Evap Coefficients |  |
| Coefficient<br>Category            | A (lbf) | B (lbf/mph)                                | C (lbf/mph**2) | A (lbf)          | B (lbf/mph)                  | C (lbf/mph**2) |                                                                                  |  |
| City/Highway/Evap                  | 67.92   | 0.2416                                     | 0.03096        | 1.88             | -0.244                       | 0.03197        | 21                                                                               |  |
| Cold CO                            | 74.71   | 0.2657                                     | 0.03406        | -21.33           | -0.6372                      | 0.03668        | N/A                                                                              |  |
| US06                               | 67.92   | 0.2416                                     | 0.03096        | 1.88             | -0.244                       | 0.03197        | N/A                                                                              |  |
| Emission Control Device Comments   |         | DFI / 2CAC / 2TC / 2WR-HO2S / 2TWC / 2HO2S |                |                  |                              |                |                                                                                  |  |
| Manufacturer Test Vehicle Comments |         | --                                         |                |                  |                              |                |                                                                                  |  |

## Certification Summary Information Report

| Test Group                                     | VVGAT04.0LTA                               | Evaporative/Refueling Family          | VVGAR0176LCS                                        |
|------------------------------------------------|--------------------------------------------|---------------------------------------|-----------------------------------------------------|
| <b>Test #</b>                                  | <b>VVGA10094397</b>                        | <b>Test Procedure</b>                 | <b>21 - Federal fuel 2-day exhaust (w/can load)</b> |
| <b>Exhaust Test # for this Evap Test</b>       | --                                         | <b>Test Fuel Type</b>                 | 49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)  |
| <b>Test Date</b>                               | 03/11/2026                                 | <b>Fuel</b>                           | Gasoline                                            |
| <b>Fuel Batch ID</b>                           | LB0022                                     | <b>Fuel Calibration Number</b>        | 1                                                   |
| <b>Vehicle Class</b>                           | LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000) | <b>DF Type</b>                        | EPA Assigned                                        |
| <b>Verify Test Lab ID</b>                      | Automobili Lamborghini S.p.A.              |                                       |                                                     |
| <b>E10 Evaporative Test Measurement Method</b> | --                                         |                                       |                                                     |
| <b>Test Start Odometer Reading</b>             | 4473                                       | <b>Odometer Units</b>                 | M                                                   |
| <b>4WD Test Dyno</b>                           | Yes                                        | <b>Diesel Adjustment Factor Usage</b> | --                                                  |
| <b>State of Charge Delta</b>                   | Yes                                        |                                       |                                                     |
| <b>Drive Cycle Speed Tolerance Criteria</b>    | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)  | <b>Road Speed Fan Usage</b>           | Yes                                                 |

## Test Results

| Test Result Name                                   | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |
|----------------------------------------------------|-----------------------|----------------------------------------------------------|
| ACT-DISTANCE (Actual Distance Driven (miles))      | 14.895                | --                                                       |
| CO2 BAG 1 (Bag 1 Carbon Dioxide)                   | 1244.0488224          | --                                                       |
| CO BAG 1 (Bag 1 Carbon Monoxide)                   | 0.33                  | --                                                       |
| CO2 BAG 2 (Bag 2 Carbon Dioxide)                   | 1215.4137646          | --                                                       |
| CO BAG 2 (Bag 2 Carbon Monoxide)                   | 0.12                  | --                                                       |
| METHANE (CH4 - Methane)                            | 0.005365              | --                                                       |
| CO (Carbon Monoxide)                               | 0.2086811             | --                                                       |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | 1.596409              | --                                                       |
| DT-EER (Drive Trace Energy Economy Rating)         | 1.232969              | --                                                       |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating)    | 1.692012              | --                                                       |
| MFR FE (Manufacturer Fuel Economy)                 | 7.1                   | 7.1                                                      |
| NOX (Nitrogen Oxide)                               | 0.032532              | --                                                       |
| N2O (Nitrous Oxide)                                | 0.0001964             | --                                                       |
| HC-NM (Non-methane Hydrocarbon)                    | 0.0076928             | --                                                       |
| NMOG (Non-methane organic gases)                   | 0.0077                | --                                                       |
| PM (Particulate Matter)                            | 0.0008223             | --                                                       |
| HC-TOTAL (Total Hydrocarbon)                       | 0.01174               | --                                                       |
| WATT-HRS (Watt Hours)                              | 11.483                | --                                                       |

## Certification Summary Information Report

| Test Group                                                                                                              |               | VVGAT04.0LTA                                                                            |               |                       | Evaporative/Refueling Family |                  |                                 |        | VVGAR0176LCS |                     |          |           |
|-------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------------------------------------------------------------------------|---------------|-----------------------|------------------------------|------------------|---------------------------------|--------|--------------|---------------------|----------|-----------|
|                                                                                                                         |               | Test Result Name                                                                        |               | Unrounded Test Result |                              |                  | Verify Calculated CREE/OPT-CREE |        |              |                     |          |           |
|                                                                                                                         |               | Carbon-Related Exhaust Emissions                                                        |               | 1228                  |                              |                  | 1228                            |        |              |                     |          |           |
|                                                                                                                         |               | Test Result Name                                                                        |               | Unrounded Test Result |                              |                  | Verify Calculated CO2           |        |              |                     |          |           |
|                                                                                                                         |               | Carbon dioxide                                                                          |               | 1227.7268556          |                              |                  | --                              |        |              |                     |          |           |
| Manufacturer Test Comments                                                                                              |               | Lab Comments: Mod Corsa-Performance; VeCeD: FTP Tested as URUS SE EDV ETW: 6000 RLHP: 0 |               |                       |                              |                  |                                 |        |              |                     |          |           |
| 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                                                                                                                     | 120,000 miles | Federal Tier 4 Bin 70                                                                   | CREE          | 1228                  | --                           | --               | --                              | 0.6400 | --           | 1229                | --       | --        |
| Fed                                                                                                                     | 120,000 miles | Federal Tier 4 Bin 70                                                                   | METHANE       | 0.0054                | --                           | --               | --                              | 0.0027 | --           | 0.008               | 0.030    | Pass      |
| Fed                                                                                                                     | 120,000 miles | Federal Tier 4 Bin 70                                                                   | N2O           | 0.0002                | --                           | --               | --                              | 0.0012 | --           | 0.001               | 0.010    | Pass      |
| Fed                                                                                                                     | 150,000 miles | Federal Tier 4 Bin 70                                                                   | CO            | 0.21                  | --                           | --               | --                              | 0.240  | --           | 0.4                 | 1.7      | Pass      |
| Fed                                                                                                                     | 150,000 miles | Federal Tier 4 Bin 70                                                                   | CO-COMP       | 0.46                  | --                           | --               | --                              | --     | --           | 0.5                 | 4.2      | Pass      |
| Fed                                                                                                                     | 150,000 miles | Federal Tier 4 Bin 70                                                                   | NMOG          | 0.0077                | --                           | 1.0984           | --                              | 0.0098 | --           | 0.018               | 99.999   | Pass      |
| Fed                                                                                                                     | 150,000 miles | Federal Tier 4 Bin 70                                                                   | NMOG+NOX      | 0.0402                | --                           | --               | --                              | --     | --           | 0.057               | 0.070    | Pass      |
| Fed                                                                                                                     | 150,000 miles | Federal Tier 4 Bin 70                                                                   | NMOG+NOX-COMP | 0.0454                | --                           | --               | --                              | --     | --           | 0.045               | 0.090    | Pass      |
| Fed                                                                                                                     | 150,000 miles | Federal Tier 4 Bin 70                                                                   | NOX           | 0.0325                | --                           | --               | --                              | 0.0070 | --           | 0.040               | 99.999   | Pass      |
| Fed                                                                                                                     | 150,000 miles | Federal Tier 4 Bin 70                                                                   | PM            | 0.0008                | --                           | --               | --                              | 0.0000 | --           | 0.001               | 0.003    | Pass      |
| CA                                                                                                                      | 150,000 miles | California LEV-III ULEV70                                                               | CO            | 0.21                  | --                           | --               | --                              | 0.240  | --           | 0.4                 | 1.7      | Pass      |
| CA                                                                                                                      | 150,000 miles | California LEV-III ULEV70                                                               | CO-COMP       | 0.46                  | --                           | --               | --                              | --     | --           | 0.5                 | 4.2      | Pass      |
| CA                                                                                                                      | 150,000 miles | California LEV-III ULEV70                                                               | NMOG          | 0.0077                | --                           | 1.0984           | --                              | 0.0098 | --           | 0.018               | 99.999   | Pass      |
| CA                                                                                                                      | 150,000 miles | California LEV-III ULEV70                                                               | NMOG+NOX      | 0.0402                | --                           | --               | --                              | --     | --           | 0.057               | 0.070    | Pass      |
| CA                                                                                                                      | 150,000 miles | California LEV-III ULEV70                                                               | NMOG+NOX-COMP | 0.0454                | --                           | --               | --                              | --     | --           | 0.045               | 0.090    | Pass      |
| CA                                                                                                                      | 150,000 miles | California LEV-III ULEV70                                                               | NOX           | 0.0325                | --                           | --               | --                              | 0.0070 | --           | 0.040               | 99.999   | Pass      |
| CA                                                                                                                      | 150,000 miles | California LEV-III ULEV70                                                               | PM            | 0.0008                | --                           | --               | --                              | 0      | --           | 0.001               | 0.003    | Pass      |
| NOTE: For Non-charge depleting tests, the Rounded Result for CREE/OPT-CREE Emission names are Verify-calculated values. |               |                                                                                         |               |                       |                              |                  |                                 |        |              |                     |          |           |

## Certification Summary Information Report

| Test Group                                     | VVGAT04.0LTA                               | Evaporative/Refueling Family          | VVGAR0176LCS                                       |
|------------------------------------------------|--------------------------------------------|---------------------------------------|----------------------------------------------------|
| <b>Test #</b>                                  | <b>VVGA10094405</b>                        | <b>Test Procedure</b>                 | <b>52 - Fed. fuel 50 F exh.</b>                    |
| <b>Exhaust Test # for this Evap Test</b>       | --                                         | <b>Test Fuel Type</b>                 | 49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.) |
| <b>Test Date</b>                               | 03/13/2026                                 | <b>Fuel</b>                           | Gasoline                                           |
| <b>Fuel Batch ID</b>                           | LB0022                                     | <b>Fuel Calibration Number</b>        | 1                                                  |
| <b>Vehicle Class</b>                           | LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000) | <b>DF Type</b>                        | EPA Assigned                                       |
| <b>Verify Test Lab ID</b>                      | Automobili Lamborghini S.p.A.              |                                       |                                                    |
| <b>E10 Evaporative Test Measurement Method</b> | --                                         |                                       |                                                    |
| <b>Test Start Odometer Reading</b>             | 4584                                       | <b>Odometer Units</b>                 | M                                                  |
| <b>4WD Test Dyno</b>                           | Yes                                        | <b>Diesel Adjustment Factor Usage</b> | --                                                 |
| <b>State of Charge Delta</b>                   | --                                         |                                       |                                                    |
| <b>Drive Cycle Speed Tolerance Criteria</b>    | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)  | <b>Road Speed Fan Usage</b>           | Yes                                                |

## Test Results

| Test Result Name                                   | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |
|----------------------------------------------------|-----------------------|----------------------------------------------------------|
| CO2 BAG 1 (Bag 1 Carbon Dioxide)                   | 1098.6548918          | --                                                       |
| CO BAG 1 (Bag 1 Carbon Monoxide)                   | 0.61                  | --                                                       |
| CO2 BAG 2 (Bag 2 Carbon Dioxide)                   | 1447.1594616          | --                                                       |
| CO BAG 2 (Bag 2 Carbon Monoxide)                   | 0.04                  | --                                                       |
| CO2 BAG 3 (Bag 3 Carbon Dioxide)                   | 1033.2402081          | --                                                       |
| CO BAG 3 (Bag 3 Carbon Monoxide)                   | 0.38                  | --                                                       |
| METHANE (CH4 - Methane)                            | 0.0020244             | --                                                       |
| CO (Carbon Monoxide)                               | 0.2494902             | --                                                       |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | -1.108745             | --                                                       |
| DT-EER (Drive Trace Energy Economy Rating)         | -0.4650831            | --                                                       |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating)    | -1.915455             | --                                                       |
| MFR FE (Manufacturer Fuel Economy)                 | 6.9                   | 6.9                                                      |
| NOX (Nitrogen Oxide)                               | 0.0168815             | --                                                       |
| N2O (Nitrous Oxide)                                | 0.0003614             | --                                                       |
| HC-NM (Non-methane Hydrocarbon)                    | 0.0094603             | --                                                       |
| NMOG (Non-methane organic gases)                   | 0.0095                | --                                                       |
| PM (Particulate Matter)                            | 0.001422              | --                                                       |
| HC-TOTAL (Total Hydrocarbon)                       | 0.0108376             | --                                                       |

| Test Result Name                 | Unrounded Test Result | Verify Calculated CREE/OPT-CREE |
|----------------------------------|-----------------------|---------------------------------|
| Carbon-Related Exhaust Emissions | 1261                  | --                              |

Certification Summary Information Report

|                            |             |                                                                                             |               |                       |     |                              |                          |        |         |                     |          |           |  |
|----------------------------|-------------|---------------------------------------------------------------------------------------------|---------------|-----------------------|-----|------------------------------|--------------------------|--------|---------|---------------------|----------|-----------|--|
| Test Group                 |             | VVGAT04.0LTA                                                                                |               |                       |     | Evaporative/Refueling Family |                          |        |         | VVGAR0176LCS        |          |           |  |
|                            |             | Test Result Name                                                                            |               | Unrounded Test Result |     |                              | Verify Calculated CO2    |        |         |                     |          |           |  |
|                            |             | Carbon dioxide                                                                              |               | 1260.952889           |     |                              | --                       |        |         |                     |          |           |  |
| Manufacturer Test Comments |             | Lab Comments: FTP_10°C; Mod Corsa-Ric; VeCeD: 50FTP Tested as URUS SE EDV ETW: 6000 RLHP: 0 |               |                       |     |                              |                          |        |         |                     |          |           |  |
| 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                         | 4,000 miles | California LEV-III ULEV70                                                                   | CO            | 0.25                  | --  | --                           | --                       | --     | --      | 0.2                 | 1.7      | Pass      |  |
| CA                         | 4,000 miles | California LEV-III ULEV70                                                                   | NMOG          | 0.0095                | --  | 1.0984                       | --                       | --     | --      | 0.010               | 99.999   | Pass      |  |
| CA                         | 4,000 miles | California LEV-III ULEV70                                                                   | NMOG+NOX      | 0.0264                | --  | --                           | --                       | --     | --      | 0.026               | 0.140    | Pass      |  |
| CA                         | 4,000 miles | California LEV-III ULEV70                                                                   | NOX           | 0.0169                | --  | --                           | --                       | --     | --      | 0.017               | 99.999   | Pass      |  |

## Certification Summary Information Report

| Test Group                                     | VVGAT04.0LTA                               | Evaporative/Refueling Family          | VVGAR0176LCS                               |
|------------------------------------------------|--------------------------------------------|---------------------------------------|--------------------------------------------|
| <b>Test #</b>                                  | <b>VVGA10094429</b>                        | <b>Test Procedure</b>                 | <b>11 - Cold CO</b>                        |
| <b>Exhaust Test # for this Evap Test</b>       | --                                         | <b>Test Fuel Type</b>                 | 29 - Cold CO E10 Premium Gasoline (Tier 3) |
| <b>Test Date</b>                               | 03/17/2026                                 | <b>Fuel</b>                           | Gasoline                                   |
| <b>Fuel Batch ID</b>                           | LB0024                                     | <b>Fuel Calibration Number</b>        | 1                                          |
| <b>Vehicle Class</b>                           | LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000) | <b>DF Type</b>                        | EPA Assigned                               |
| <b>Verify Test Lab ID</b>                      | Automobili Lamborghini S.p.A.              |                                       |                                            |
| <b>E10 Evaporative Test Measurement Method</b> | --                                         |                                       |                                            |
| <b>Test Start Odometer Reading</b>             | 4647                                       | <b>Odometer Units</b>                 | M                                          |
| <b>4WD Test Dyno</b>                           | Yes                                        | <b>Diesel Adjustment Factor Usage</b> | --                                         |
| <b>State of Charge Delta</b>                   | --                                         |                                       |                                            |
| <b>Drive Cycle Speed Tolerance Criteria</b>    | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)  | <b>Road Speed Fan Usage</b>           | Yes                                        |

## Test Results

| Test Result Name                                   | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |
|----------------------------------------------------|-----------------------|----------------------------------------------------------|
| ACT-DISTANCE (Actual Distance Driven (miles))      | 10.995                | --                                                       |
| CO2 BAG 1 (Bag 1 Carbon Dioxide)                   | 1162.6845741          | --                                                       |
| CO BAG 1 (Bag 1 Carbon Monoxide)                   | 1.29                  | --                                                       |
| CO2 BAG 2 (Bag 2 Carbon Dioxide)                   | 1484.9135453          | --                                                       |
| CO BAG 2 (Bag 2 Carbon Monoxide)                   | 0.06                  | --                                                       |
| CO2 BAG 3 (Bag 3 Carbon Dioxide)                   | 1064.1758232          | --                                                       |
| CO BAG 3 (Bag 3 Carbon Monoxide)                   | 0.38                  | --                                                       |
| METHANE (CH4 - Methane)                            | 0.0042911             | --                                                       |
| CO (Carbon Monoxide)                               | 0.4014377             | --                                                       |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | 3.684003              | --                                                       |
| DT-EER (Drive Trace Energy Economy Rating)         | 2.107453              | --                                                       |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating)    | 5.0135                | --                                                       |
| MFR FE (Manufacturer Fuel Economy)                 | 6.7                   | 6.7                                                      |
| NOX (Nitrogen Oxide)                               | 0.0310855             | --                                                       |
| N2O (Nitrous Oxide)                                | 0.0005415             | --                                                       |
| HC-NM (Non-methane Hydrocarbon)                    | 0.0294241             | --                                                       |
| NMOG (Non-methane organic gases)                   | 0.0294                | --                                                       |
| PM (Particulate Matter)                            | 0.0046126             | --                                                       |
| HC-TOTAL (Total Hydrocarbon)                       | 0.033179              | --                                                       |
| WATT-HRS (Watt Hours)                              | 8213.88               | --                                                       |

Certification Summary Information Report

| Test Group                 |               | VVGAT04.0LTA                                                                         |               |                       |     | Evaporative/Refueling Family    |                          |        |         | VVGAR0176LCS        |          |           |  |
|----------------------------|---------------|--------------------------------------------------------------------------------------|---------------|-----------------------|-----|---------------------------------|--------------------------|--------|---------|---------------------|----------|-----------|--|
|                            |               | Test Result Name                                                                     |               | Unrounded Test Result |     | Verify Calculated CREE/OPT-CREE |                          |        |         |                     |          |           |  |
|                            |               | Carbon-Related Exhaust Emissions                                                     |               | 1304                  |     | --                              |                          |        |         |                     |          |           |  |
|                            |               | Test Result Name                                                                     |               | Unrounded Test Result |     | Verify Calculated CO2           |                          |        |         |                     |          |           |  |
|                            |               | Carbon dioxide                                                                       |               | 1303.0628232          |     | --                              |                          |        |         |                     |          |           |  |
| Manufacturer Test Comments |               | Lab Comments: <no value data>; VeCeD: COLDCO Tested as URUS SE EDV ETW: 6000 RLHP: 0 |               |                       |     |                                 |                          |        |         |                     |          |           |  |
| 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                        | 50,000 miles  | Federal Tier 4 Bin 70                                                                | CO            | 0.40                  | --  | --                              | --                       | 0.240  | --      | 0.6                 | 10.0     | Pass      |  |
| Fed                        | 120,000 miles | Federal Tier 4 Bin 70                                                                | HC-NM         | 0.03                  | --  | --                              | --                       | 0.0098 | --      | 0.0                 | 0.5      | Pass      |  |
| CA                         | 50,000 miles  | California LEV-III ULEV70                                                            | CO            | 0.40                  | --  | --                              | --                       | 0.240  | --      | 0.6                 | 10.0     | Pass      |  |

## Certification Summary Information Report

|                                                    |                                                                                      |                                                                 |                                                    |
|----------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------------------------------------|
| <b>Test Group</b>                                  | VVGAT04.0LTA                                                                         | <b>Evaporative/Refueling Family</b>                             | VVGAR0176LCS                                       |
| <b>Test #</b>                                      | <b>VVGA10094400</b>                                                                  | <b>Test Procedure</b>                                           | <b>3 - HWFE</b>                                    |
| <b>Exhaust Test # for this Evap Test</b>           | --                                                                                   | <b>Test Fuel Type</b>                                           | 49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.) |
| <b>Test Date</b>                                   | 03/11/2026                                                                           | <b>Fuel</b>                                                     | Gasoline                                           |
| <b>Fuel Batch ID</b>                               | LB0022                                                                               | <b>Fuel Calibration Number</b>                                  | 1                                                  |
| <b>Vehicle Class</b>                               | LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)                                           | <b>DF Type</b>                                                  | EPA Assigned                                       |
| <b>Verify Test Lab ID</b>                          | Automobili Lamborghini S.p.A.                                                        |                                                                 |                                                    |
| <b>E10 Evaporative Test Measurement Method</b>     | --                                                                                   |                                                                 |                                                    |
| <b>Test Start Odometer Reading</b>                 | 4516                                                                                 | <b>Odometer Units</b>                                           | M                                                  |
| <b>4WD Test Dyno</b>                               | Yes                                                                                  | <b>Diesel Adjustment Factor Usage</b>                           | --                                                 |
| <b>State of Charge Delta</b>                       | Yes                                                                                  |                                                                 |                                                    |
| <b>Drive Cycle Speed Tolerance Criteria</b>        | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)                                            | <b>Road Speed Fan Usage</b>                                     | Yes                                                |
| <b>Test Results</b>                                |                                                                                      |                                                                 |                                                    |
| <b>Test Result Name</b>                            | <b>Unrounded Test Result</b>                                                         | <b>Verify Calculated FE Equivalent Value (miles per gallon)</b> |                                                    |
| ACT-DISTANCE (Actual Distance Driven (miles))      | 10.237                                                                               | --                                                              |                                                    |
| METHANE (CH4 - Methane)                            | 0.0132221                                                                            | --                                                              |                                                    |
| CO (Carbon Monoxide)                               | 0.3903762                                                                            | --                                                              |                                                    |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | 2.888533                                                                             | --                                                              |                                                    |
| DT-EER (Drive Trace Energy Economy Rating)         | 0.6507809                                                                            | --                                                              |                                                    |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating)    | 3.319985                                                                             | --                                                              |                                                    |
| MFR FE (Manufacturer Fuel Economy)                 | 12.9                                                                                 | 12.9                                                            |                                                    |
| NOX (Nitrogen Oxide)                               | 0.0048695                                                                            | --                                                              |                                                    |
| N2O (Nitrous Oxide)                                | 0                                                                                    | --                                                              |                                                    |
| HC-NM (Non-methane Hydrocarbon)                    | 0.0019178                                                                            | --                                                              |                                                    |
| NMOG (Non-methane organic gases)                   | 0.0019                                                                               | --                                                              |                                                    |
| HC-TOTAL (Total Hydrocarbon)                       | 0.0144288                                                                            | --                                                              |                                                    |
| WATT-HRS (Watt Hours)                              | 3.663                                                                                | --                                                              |                                                    |
| <b>Test Result Name</b>                            | <b>Unrounded Test Result</b>                                                         | <b>Verify Calculated CREE/OPT-CREE</b>                          |                                                    |
| Carbon-Related Exhaust Emissions                   | 678                                                                                  | 678                                                             |                                                    |
| <b>Test Result Name</b>                            | <b>Unrounded Test Result</b>                                                         | <b>Verify Calculated CO2</b>                                    |                                                    |
| Carbon dioxide                                     | 677.2597527                                                                          | --                                                              |                                                    |
| <b>Manufacturer Test Comments</b>                  | Lab Comments: Mod Corsa Ricarica; VeCeD: HWY Tested as URUS SE EDV ETW: 6000 RLHP: 0 |                                                                 |                                                    |

## Certification Summary Information Report

| Test Group           |               | VVGAT04.0LTA              |               |                | Evaporative/Refueling Family |                  |                          |        |         | VVGAR0176LCS        |          |           |
|----------------------|---------------|---------------------------|---------------|----------------|------------------------------|------------------|--------------------------|--------|---------|---------------------|----------|-----------|
| 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                  | 120,000 miles | Federal Tier 4 Bin 70     | CREE          | 678            | --                           | --               | --                       | 0.6400 | --      | 679                 | --       | --        |
| Fed                  | 150,000 miles | Federal Tier 4 Bin 70     | NMOG          | 0.0019         | --                           | 1.0300           | --                       | 0.0098 | --      | 0.012               | 99.999   | Pass      |
| Fed                  | 150,000 miles | Federal Tier 4 Bin 70     | NMOG+NOX      | 0.0068         | --                           | --               | --                       | --     | --      | 0.024               | 0.070    | Pass      |
| Fed                  | 150,000 miles | Federal Tier 4 Bin 70     | NOX           | 0.0049         | --                           | --               | --                       | 0.0070 | --      | 0.012               | 99.999   | Pass      |
| CA                   | 150,000 miles | California LEV-III ULEV70 | NMOG          | 0.0019         | --                           | 1.0300           | --                       | 0.0098 | --      | 0.012               | 99.999   | Pass      |
| CA                   | 150,000 miles | California LEV-III ULEV70 | NMOG+NOX      | 0.0068         | --                           | --               | --                       | --     | --      | 0.024               | 0.070    | Pass      |
| CA                   | 150,000 miles | California LEV-III ULEV70 | NOX           | 0.0049         | --                           | --               | --                       | 0.0070 | --      | 0.012               | 99.999   | Pass      |

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

## Certification Summary Information Report

| Test Group                                     | VVGAT04.0LTA                               | Evaporative/Refueling Family          | VVGAR0176LCS                                       |
|------------------------------------------------|--------------------------------------------|---------------------------------------|----------------------------------------------------|
| <b>Test #</b>                                  | <b>VVGA10094403</b>                        | <b>Test Procedure</b>                 | <b>90 - US06</b>                                   |
| <b>Exhaust Test # for this Evap Test</b>       | --                                         | <b>Test Fuel Type</b>                 | 49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.) |
| <b>Test Date</b>                               | 03/11/2026                                 | <b>Fuel</b>                           | Gasoline                                           |
| <b>Fuel Batch ID</b>                           | LB0022                                     | <b>Fuel Calibration Number</b>        | 1                                                  |
| <b>Vehicle Class</b>                           | LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000) | <b>DF Type</b>                        | EPA Assigned                                       |
| <b>Verify Test Lab ID</b>                      | Automobili Lamborghini S.p.A.              |                                       |                                                    |
| <b>E10 Evaporative Test Measurement Method</b> | --                                         |                                       |                                                    |
| <b>Test Start Odometer Reading</b>             | 4554                                       | <b>Odometer Units</b>                 | M                                                  |
| <b>4WD Test Dyno</b>                           | Yes                                        | <b>Diesel Adjustment Factor Usage</b> | --                                                 |
| <b>State of Charge Delta</b>                   | Yes                                        |                                       |                                                    |
| <b>Drive Cycle Speed Tolerance Criteria</b>    | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)  | <b>Road Speed Fan Usage</b>           | Yes                                                |

## Test Results

| Test Result Name                                   | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |
|----------------------------------------------------|-----------------------|----------------------------------------------------------|
| ACT-DISTANCE (Actual Distance Driven (miles))      | 8.01                  | --                                                       |
| CO2 BAG 1 (Bag 1 Carbon Dioxide)                   | 1196.9854884          | --                                                       |
| CO BAG 1 (Bag 1 Carbon Monoxide)                   | 0.28                  | --                                                       |
| CO2 BAG 2 (Bag 2 Carbon Dioxide)                   | 706.4077084           | --                                                       |
| CO BAG 2 (Bag 2 Carbon Monoxide)                   | 0.21                  | --                                                       |
| METHANE (CH4 - Methane)                            | 0.0045889             | --                                                       |
| CO (Carbon Monoxide)                               | 0.2268097             | --                                                       |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | 1.464771              | --                                                       |
| DT-EER (Drive Trace Energy Economy Rating)         | 0.4439719             | --                                                       |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating)    | 3.803758              | --                                                       |
| MFR FE (Manufacturer Fuel Economy)                 | 10.7                  | 10.7                                                     |
| NOX (Nitrogen Oxide)                               | 0.0174998             | --                                                       |
| N2O (Nitrous Oxide)                                | 0                     | --                                                       |
| HC-NM (Non-methane Hydrocarbon)                    | 0.0013366             | --                                                       |
| NMOG (Non-methane organic gases)                   | 0.0013                | --                                                       |
| PM (Particulate Matter)                            | 0.0011294             | --                                                       |
| HC-TOTAL (Total Hydrocarbon)                       | 0.0051436             | --                                                       |
| WATT-HRS (Watt Hours)                              | 2.916                 | --                                                       |

| Test Result Name                 | Unrounded Test Result | Verify Calculated CREE/OPT-CREE |
|----------------------------------|-----------------------|---------------------------------|
| Carbon-Related Exhaust Emissions | 816                   | --                              |

## Certification Summary Information Report

| Test Group                 |               | VVGAT04.0LTA              |               |                                                                                       |     | Evaporative/Refueling Family |                          |        |                       | VVGAR0176LCS        |          |           |
|----------------------------|---------------|---------------------------|---------------|---------------------------------------------------------------------------------------|-----|------------------------------|--------------------------|--------|-----------------------|---------------------|----------|-----------|
|                            |               |                           |               |                                                                                       |     |                              |                          |        |                       |                     |          |           |
|                            |               |                           |               | Test Result Name                                                                      |     | Unrounded Test Result        |                          |        | Verify Calculated CO2 |                     |          |           |
|                            |               |                           |               | Carbon dioxide                                                                        |     | 815.5590512                  |                          |        | --                    |                     |          |           |
| Manufacturer Test Comments |               |                           |               | Lab Comments: Mod Corsa Ricarica; VeCeD: US06 Tested as URUS SE EDV ETW: 6000 RLHP: 0 |     |                              |                          |        |                       |                     |          |           |
| Certification Region       | Useful Life   | Standard Level            | Emission Name | Rounded Result                                                                        | RAF | NMOG/NM HC Ratio             | Diesel Adjustment Factor | Add DF | Mult DF               | Certification Level | Standard | Pass/Fail |
| Fed                        | 150,000 miles | Federal Tier 4 Bin 70     | CO            | 0.2268                                                                                | --  | --                           | --                       | 0.240  | --                    | 0.467               | 99.999   | Pass      |
| Fed                        | 150,000 miles | Federal Tier 4 Bin 70     | NMOG          | 0.0013                                                                                | --  | 1.0300                       | --                       | 0.0098 | --                    | 0.011               | 99.999   | Pass      |
| Fed                        | 150,000 miles | Federal Tier 4 Bin 70     | NOX           | 0.0175                                                                                | --  | --                           | --                       | 0.0070 | --                    | 0.024               | 99.999   | Pass      |
| Fed                        | 150,000 miles | Federal Tier 4 Bin 70     | PM            | 0.0011                                                                                | --  | --                           | --                       | 0.0000 | --                    | 0.001               | 0.006    | Pass      |
| CA                         | 150,000 miles | California LEV-III ULEV70 | CO            | 0.2268                                                                                | --  | --                           | --                       | 0.240  | --                    | 0.467               | 99.999   | Pass      |
| CA                         | 150,000 miles | California LEV-III ULEV70 | NMOG          | 0.0013                                                                                | --  | 1.0300                       | --                       | 0.0098 | --                    | 0.011               | 99.999   | Pass      |
| CA                         | 150,000 miles | California LEV-III ULEV70 | NOX           | 0.0175                                                                                | --  | --                           | --                       | 0.0070 | --                    | 0.024               | 99.999   | Pass      |
| CA                         | 150,000 miles | California LEV-III ULEV70 | PM            | 0.0011                                                                                | --  | --                           | --                       | 0      | --                    | 0.001               | 0.006    | Pass      |

## Certification Summary Information Report

|                                                    |                                                                                    |                                                                 |                                                    |
|----------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------------------------------------|
| <b>Test Group</b>                                  | VVGAT04.0LTA                                                                       | <b>Evaporative/Refueling Family</b>                             | VVGAR0176LCS                                       |
| <b>Test #</b>                                      | <b>VVGA10094407</b>                                                                | <b>Test Procedure</b>                                           | <b>95 - SC03</b>                                   |
| <b>Exhaust Test # for this Evap Test</b>           | --                                                                                 | <b>Test Fuel Type</b>                                           | 49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.) |
| <b>Test Date</b>                                   | 04/09/2026                                                                         | <b>Fuel</b>                                                     | Gasoline                                           |
| <b>Fuel Batch ID</b>                               | IG0060                                                                             | <b>Fuel Calibration Number</b>                                  | 1                                                  |
| <b>Vehicle Class</b>                               | LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)                                         | <b>DF Type</b>                                                  | EPA Assigned                                       |
| <b>Verify Test Lab ID</b>                          | AUDI AG Ingolstadt                                                                 |                                                                 |                                                    |
| <b>E10 Evaporative Test Measurement Method</b>     | --                                                                                 |                                                                 |                                                    |
| <b>Test Start Odometer Reading</b>                 | 4838                                                                               | <b>Odometer Units</b>                                           | M                                                  |
| <b>4WD Test Dyno</b>                               | Yes                                                                                | <b>Diesel Adjustment Factor Usage</b>                           | --                                                 |
| <b>State of Charge Delta</b>                       | Yes                                                                                |                                                                 |                                                    |
| <b>Drive Cycle Speed Tolerance Criteria</b>        | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)                                          | <b>Road Speed Fan Usage</b>                                     | Yes                                                |
| <b>Test Results</b>                                |                                                                                    |                                                                 |                                                    |
| <b>Test Result Name</b>                            | <b>Unrounded Test Result</b>                                                       | <b>Verify Calculated FE Equivalent Value (miles per gallon)</b> |                                                    |
| ACT-DISTANCE (Actual Distance Driven (miles))      | 3.585                                                                              | --                                                              |                                                    |
| METHANE (CH4 - Methane)                            | 0.0016833                                                                          | --                                                              |                                                    |
| CO (Carbon Monoxide)                               | 0.2113783                                                                          | --                                                              |                                                    |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | -0.3723266                                                                         | --                                                              |                                                    |
| DT-EER (Drive Trace Energy Economy Rating)         | -0.7883608                                                                         | --                                                              |                                                    |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating)    | -1.486009                                                                          | --                                                              |                                                    |
| MFR FE (Manufacturer Fuel Economy)                 | 7.6                                                                                | 7.6                                                             |                                                    |
| NOX (Nitrogen Oxide)                               | 0.0198946                                                                          | --                                                              |                                                    |
| HC-NM (Non-methane Hydrocarbon)                    | 0.0050608                                                                          | --                                                              |                                                    |
| NMOG (Non-methane organic gases)                   | 0.0051                                                                             | --                                                              |                                                    |
| HC-TOTAL (Total Hydrocarbon)                       | 0.0066903                                                                          | --                                                              |                                                    |
| WATT-HRS (Watt Hours)                              | 2.435                                                                              | --                                                              |                                                    |
| <b>Test Result Name</b>                            | <b>Unrounded Test Result</b>                                                       | <b>Verify Calculated CREE/OPT-CREE</b>                          |                                                    |
| Carbon-Related Exhaust Emissions                   | 1149                                                                               | --                                                              |                                                    |
| <b>Test Result Name</b>                            | <b>Unrounded Test Result</b>                                                       | <b>Verify Calculated CO2</b>                                    |                                                    |
| Carbon dioxide                                     | 1148.8794603                                                                       | --                                                              |                                                    |
| <b>Manufacturer Test Comments</b>                  | Lab Comments: kein Kommentar!; VeCeD: SC03 Tested as URUS SE EDV ETW: 6000 RLHP: 0 |                                                                 |                                                    |

## Certification Summary Information Report

| Test Group           |               | VVGAT04.0LTA              |               |                | Evaporative/Refueling Family |                  |                          |        |         | VVGAR0176LCS        |          |           |
|----------------------|---------------|---------------------------|---------------|----------------|------------------------------|------------------|--------------------------|--------|---------|---------------------|----------|-----------|
| Certification Region | Useful Life   | Standard Level            | Emission Name | Rounded Result | RAF                          | NMOG/NM HC Ratio | Diesel Adjustment Factor | Add DF | Mult DF | Certification Level | Standard | Pass/Fail |
| Fed                  | 150,000 miles | Federal Tier 4 Bin 70     | CO            | 0.2114         | --                           | --               | --                       | 0.240  | --      | 0.451               | 99.999   | Pass      |
| Fed                  | 150,000 miles | Federal Tier 4 Bin 70     | NMOG          | 0.0051         | --                           | 1.0300           | --                       | 0.0098 | --      | 0.015               | 99.999   | Pass      |
| Fed                  | 150,000 miles | Federal Tier 4 Bin 70     | NOX           | 0.0199         | --                           | --               | --                       | 0.0070 | --      | 0.027               | 99.999   | Pass      |
| CA                   | 150,000 miles | California LEV-III ULEV70 | CO            | 0.2114         | --                           | --               | --                       | 0.240  | --      | 0.451               | 99.999   | Pass      |
| CA                   | 150,000 miles | California LEV-III ULEV70 | NMOG          | 0.0051         | --                           | 1.0300           | --                       | 0.0098 | --      | 0.015               | 99.999   | Pass      |
| CA                   | 150,000 miles | California LEV-III ULEV70 | NOX           | 0.0199         | --                           | --               | --                       | 0.0070 | --      | 0.027               | 99.999   | Pass      |

## Certification Summary Information Report

| Test Group                                               | VVGAT04.0LTA                              | Evaporative/Refueling Family                  | VVGAR0176LCS                      |
|----------------------------------------------------------|-------------------------------------------|-----------------------------------------------|-----------------------------------|
| <b>Test #</b>                                            | <b>VVGA10094515</b>                       | <b>Test Procedure</b>                         | <b>81 - Charge Depleting UDDS</b> |
| <b>Exhaust Test # for this Evap Test</b>                 | --                                        | <b>Test Fuel Type</b>                         | 61 - Tier 2 Cert Gasoline         |
| <b>Test Date</b>                                         | 04/29/2026                                | <b>Fuel</b>                                   | N/A                               |
| <b>Fuel Batch ID</b>                                     | LB0025                                    | <b>Fuel Calibration Number</b>                | 1                                 |
| <b>Vehicle Class</b>                                     | N/A                                       | <b>DF Type</b>                                | EPA Assigned                      |
| <b>Verify Test Lab ID</b>                                | Automobili Lamborghini S.p.A.             |                                               |                                   |
| <b>E10 Evaporative Test Measurement Method</b>           | --                                        |                                               |                                   |
| <b>Test Start Odometer Reading</b>                       | 5060                                      | <b>Odometer Units</b>                         | M                                 |
| <b>4WD Test Dyno</b>                                     | Yes                                       | <b>Diesel Adjustment Factor Usage</b>         | --                                |
| <b>State of Charge Delta</b>                             | Yes                                       |                                               |                                   |
| <b>Drive Cycle Speed Tolerance Criteria</b>              | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | <b>Road Speed Fan Usage</b>                   | Yes                               |
| <b>PHEV/EV Charge Depleting Test Information</b>         |                                           |                                               |                                   |
| <b>Recharge Event Voltage</b>                            | 240                                       | <b>Recharge Event Energy (kiloWatt-hours)</b> | 25.414                            |
| <b>Charge Depleting Range (Calculated miles)</b>         | 44.073                                    | <b>Charge Depleting Range (Actual miles)</b>  | 43.987                            |
| <b>Charge Depleting Range Highway (Calculated miles)</b> | --                                        | <b>Derived 5-Cycle Coefficient Model Year</b> | 2017                              |
| <b>All Electric Range Unadjusted (miles)</b>             | 43.987                                    | <b>Equivalent All Electric Range (miles)</b>  | 44.073                            |
| <b>Number of Charge Depleting Bags/Phases Conducted</b>  | 7                                         | <b>Transition Bag/Phase Number</b>            | 6                                 |
| <b>Charge Depleting Bag/Phase #1</b>                     |                                           |                                               |                                   |

## Certification Summary Information Report

| Test Group | VVGAT04.0LTA                                   | Evaporative/Refueling Family | VVGAR0176LCS |
|------------|------------------------------------------------|------------------------------|--------------|
|            | Test Result/Emission Name                      | Unrounded Test Result        |              |
|            | Actual Distance Driven (miles)                 | 7.447                        |              |
|            | Average System Voltage                         | 409.72                       |              |
|            | CH4 - Methane                                  | 0                            |              |
|            | Carbon Monoxide                                | 0                            |              |
|            | Carbon dioxide                                 | 0                            |              |
|            | Carbon-Related Exhaust Emissions               | 0                            |              |
|            | Drive Trace Absolute Speed Change Rating       | 0.591                        |              |
|            | Drive Trace Energy Economy Rating              | -0.2647                      |              |
|            | Drive Trace Inertia Work Ratio Rating          | 0.2336                       |              |
|            | Integrated Amp-hours                           | 9.604                        |              |
|            | Manufacturer Fuel Economy                      | 0                            |              |
|            | Nitrogen Oxide                                 | 0                            |              |
|            | Non-methane Hydrocarbon                        | 0                            |              |
|            | Non-methane organic gases                      | 0                            |              |
|            | Non-methane organic gases plus Nitrogen Oxides | 999.999                      |              |
|            | System End State of Charge Watt-hours          | 22.193                       |              |
|            | System Start State of Charge Watt-hours        | 25.9                         |              |
|            | Total Hydrocarbon                              | 0                            |              |
|            | Charge Depleting Bag/Phase #2                  |                              |              |

## Certification Summary Information Report

| Test Group | VVGAT04.0LTA                                   | Evaporative/Refueling Family | VVGAR0176LCS |
|------------|------------------------------------------------|------------------------------|--------------|
|            | Test Result/Emission Name                      | Unrounded Test Result        |              |
|            | Actual Distance Driven (miles)                 | 7.409                        |              |
|            | Average System Voltage                         | 396.75                       |              |
|            | CH4 - Methane                                  | 0                            |              |
|            | Carbon Monoxide                                | 0                            |              |
|            | Carbon dioxide                                 | 0                            |              |
|            | Carbon-Related Exhaust Emissions               | 0                            |              |
|            | Drive Trace Absolute Speed Change Rating       | 0.5329                       |              |
|            | Drive Trace Energy Economy Rating              | -1.0223                      |              |
|            | Drive Trace Inertia Work Ratio Rating          | 0.8764                       |              |
|            | Integrated Amp-hours                           | 18.954                       |              |
|            | Manufacturer Fuel Economy                      | 0                            |              |
|            | Nitrogen Oxide                                 | 0                            |              |
|            | Non-methane Hydrocarbon                        | 0                            |              |
|            | Non-methane organic gases                      | 0                            |              |
|            | Non-methane organic gases plus Nitrogen Oxides | 999.999                      |              |
|            | System End State of Charge Watt-hours          | 18.801                       |              |
|            | System Start State of Charge Watt-hours        | 22.193                       |              |
|            | Total Hydrocarbon                              | 0                            |              |
|            | Charge Depleting Bag/Phase #3                  |                              |              |

## Certification Summary Information Report

| Test Group | VVGAT04.0LTA                                   | Evaporative/Refueling Family | VVGAR0176LCS |
|------------|------------------------------------------------|------------------------------|--------------|
|            | <b>Test Result/Emission Name</b>               | <b>Unrounded Test Result</b> |              |
|            | Actual Distance Driven (miles)                 | 7.453                        |              |
|            | Average System Voltage                         | 385.59                       |              |
|            | CH4 - Methane                                  | 0                            |              |
|            | Carbon Monoxide                                | 0                            |              |
|            | Carbon dioxide                                 | 0                            |              |
|            | Carbon-Related Exhaust Emissions               | 0                            |              |
|            | Drive Trace Absolute Speed Change Rating       | -1.8034                      |              |
|            | Drive Trace Energy Economy Rating              | -1.22                        |              |
|            | Drive Trace Inertia Work Ratio Rating          | -3.0149                      |              |
|            | Integrated Amp-hours                           | 28.459                       |              |
|            | Manufacturer Fuel Economy                      | 0                            |              |
|            | Nitrogen Oxide                                 | 0                            |              |
|            | Non-methane Hydrocarbon                        | 0                            |              |
|            | Non-methane organic gases                      | 0                            |              |
|            | Non-methane organic gases plus Nitrogen Oxides | 999.999                      |              |
|            | System End State of Charge Watt-hours          | 15.458                       |              |
|            | System Start State of Charge Watt-hours        | 18.801                       |              |
|            | Total Hydrocarbon                              | 0                            |              |
|            | Charge Depleting Bag/Phase #4                  |                              |              |

## Certification Summary Information Report

| Test Group | VVGAT04.0LTA                                   | Evaporative/Refueling Family | VVGAR0176LCS |
|------------|------------------------------------------------|------------------------------|--------------|
|            | <b>Test Result/Emission Name</b>               | <b>Unrounded Test Result</b> |              |
|            | Actual Distance Driven (miles)                 | 7.453                        |              |
|            | Average System Voltage                         | 372.77                       |              |
|            | CH4 - Methane                                  | 0                            |              |
|            | Carbon Monoxide                                | 0                            |              |
|            | Carbon dioxide                                 | 0                            |              |
|            | Carbon-Related Exhaust Emissions               | 0                            |              |
|            | Drive Trace Absolute Speed Change Rating       | -2.548                       |              |
|            | Drive Trace Energy Economy Rating              | -1.2881                      |              |
|            | Drive Trace Inertia Work Ratio Rating          | -4.1317                      |              |
|            | Integrated Amp-hours                           | 38.114                       |              |
|            | Manufacturer Fuel Economy                      | 0                            |              |
|            | Nitrogen Oxide                                 | 0                            |              |
|            | Non-methane Hydrocarbon                        | 0                            |              |
|            | Non-methane organic gases                      | 0                            |              |
|            | Non-methane organic gases plus Nitrogen Oxides | 999.999                      |              |
|            | System End State of Charge Watt-hours          | 12.159                       |              |
|            | System Start State of Charge Watt-hours        | 15.458                       |              |
|            | Total Hydrocarbon                              | 0                            |              |
|            | Charge Depleting Bag/Phase #5                  |                              |              |

## Certification Summary Information Report

| Test Group | VVGAT04.0LTA                                   | Evaporative/Refueling Family | VVGAR0176LCS |
|------------|------------------------------------------------|------------------------------|--------------|
|            | <b>Test Result/Emission Name</b>               | <b>Unrounded Test Result</b> |              |
|            | Actual Distance Driven (miles)                 | 7.397                        |              |
|            | Average System Voltage                         | 363.24                       |              |
|            | CH4 - Methane                                  | 0                            |              |
|            | Carbon Monoxide                                | 0                            |              |
|            | Carbon dioxide                                 | 0                            |              |
|            | Carbon-Related Exhaust Emissions               | 0                            |              |
|            | Drive Trace Absolute Speed Change Rating       | -2.6252                      |              |
|            | Drive Trace Energy Economy Rating              | -2.1692                      |              |
|            | Drive Trace Inertia Work Ratio Rating          | -4.2227                      |              |
|            | Integrated Amp-hours                           | 47.908                       |              |
|            | Manufacturer Fuel Economy                      | 0                            |              |
|            | Nitrogen Oxide                                 | 0                            |              |
|            | Non-methane Hydrocarbon                        | 0                            |              |
|            | Non-methane organic gases                      | 0                            |              |
|            | Non-methane organic gases plus Nitrogen Oxides | 999.999                      |              |
|            | System End State of Charge Watt-hours          | 8.9049                       |              |
|            | System Start State of Charge Watt-hours        | 12.159                       |              |
|            | Total Hydrocarbon                              | 0                            |              |
|            | Charge Depleting Bag/Phase #6                  |                              |              |

## Certification Summary Information Report

| Test Group                    | VVGAT04.0LTA                                   | Evaporative/Refueling Family | VVGAR0176LCS |
|-------------------------------|------------------------------------------------|------------------------------|--------------|
|                               | <b>Test Result/Emission Name</b>               | <b>Unrounded Test Result</b> |              |
|                               | Actual Distance Driven (miles)                 | 7.458                        |              |
|                               | Average System Voltage                         | 354.48                       |              |
|                               | CH4 - Methane                                  | 0.00373                      |              |
|                               | Carbon Monoxide                                | 0.19803                      |              |
|                               | Carbon dioxide                                 | 84                           |              |
|                               | Carbon-Related Exhaust Emissions               | 84                           |              |
|                               | Drive Trace Absolute Speed Change Rating       | -2.1458                      |              |
|                               | Drive Trace Energy Economy Rating              | -0.7989                      |              |
|                               | Drive Trace Inertia Work Ratio Rating          | -3.4188                      |              |
|                               | Integrated Amp-hours                           | 56.991                       |              |
|                               | Manufacturer Fuel Economy                      | 106.4                        |              |
|                               | Nitrogen Oxide                                 | 0.00158                      |              |
|                               | Non-methane Hydrocarbon                        | 0.02685                      |              |
|                               | Non-methane organic gases                      | 0.02765                      |              |
|                               | Non-methane organic gases plus Nitrogen Oxides | 999.999                      |              |
|                               | System End State of Charge Watt-hours          | 6.0646                       |              |
|                               | System Start State of Charge Watt-hours        | 8.9049                       |              |
|                               | Total Hydrocarbon                              | 0.03038                      |              |
| Charge Depleting Bag/Phase #7 |                                                |                              |              |

## Certification Summary Information Report

| Test Group                                                                                  | VVGAT04.0LTA                                   | Evaporative/Refueling Family | VVGAR0176LCS |
|---------------------------------------------------------------------------------------------|------------------------------------------------|------------------------------|--------------|
|                                                                                             | <b>Test Result/Emission Name</b>               | <b>Unrounded Test Result</b> |              |
|                                                                                             | Actual Distance Driven (miles)                 | 7.442                        |              |
|                                                                                             | Average System Voltage                         | 355.41                       |              |
|                                                                                             | CH4 - Methane                                  | 0.00494                      |              |
|                                                                                             | Carbon Monoxide                                | 0.64169                      |              |
|                                                                                             | Carbon dioxide                                 | 394                          |              |
|                                                                                             | Carbon-Related Exhaust Emissions               | 395                          |              |
|                                                                                             | Drive Trace Absolute Speed Change Rating       | -2.5761                      |              |
|                                                                                             | Drive Trace Energy Economy Rating              | -0.8351                      |              |
|                                                                                             | Drive Trace Inertia Work Ratio Rating          | -3.8753                      |              |
|                                                                                             | Integrated Amp-hours                           | 57.273                       |              |
|                                                                                             | Manufacturer Fuel Economy                      | 22.6                         |              |
|                                                                                             | Nitrogen Oxide                                 | 0.00002                      |              |
|                                                                                             | Non-methane Hydrocarbon                        | 0.00244                      |              |
|                                                                                             | Non-methane organic gases                      | 0.00251                      |              |
|                                                                                             | Non-methane organic gases plus Nitrogen Oxides | 999.999                      |              |
|                                                                                             | System End State of Charge Watt-hours          | 6.0882                       |              |
|                                                                                             | System Start State of Charge Watt-hours        | 6.0646                       |              |
|                                                                                             | Total Hydrocarbon                              | 0.00711                      |              |
|                                                                                             | <b>Manufacturer Test Comments</b>              |                              |              |
| MY2027 Lamborghini Urus Plug-In Hybrid - Charge Depleting UDDS. Whr values entered as kWhr. |                                                |                              |              |

## Certification Summary Information Report

| Test Group                                               | VVGAT04.0LTA                              | Evaporative/Refueling Family                  | VVGAR0176LCS                         |
|----------------------------------------------------------|-------------------------------------------|-----------------------------------------------|--------------------------------------|
| <b>Test #</b>                                            | <b>VVGA10094521</b>                       | <b>Test Procedure</b>                         | <b>84 - Charge Depleting Highway</b> |
| <b>Exhaust Test # for this Evap Test</b>                 | --                                        | <b>Test Fuel Type</b>                         | 61 - Tier 2 Cert Gasoline            |
| <b>Test Date</b>                                         | 04/30/2026                                | <b>Fuel</b>                                   | N/A                                  |
| <b>Fuel Batch ID</b>                                     | LB0025                                    | <b>Fuel Calibration Number</b>                | 1                                    |
| <b>Vehicle Class</b>                                     | N/A                                       | <b>DF Type</b>                                | EPA Assigned                         |
| <b>Verify Test Lab ID</b>                                | Automobili Lamborghini S.p.A.             |                                               |                                      |
| <b>E10 Evaporative Test Measurement Method</b>           | --                                        |                                               |                                      |
| <b>Test Start Odometer Reading</b>                       | 5113                                      | <b>Odometer Units</b>                         | M                                    |
| <b>4WD Test Dyno</b>                                     | Yes                                       | <b>Diesel Adjustment Factor Usage</b>         | --                                   |
| <b>State of Charge Delta</b>                             | Yes                                       |                                               |                                      |
| <b>Drive Cycle Speed Tolerance Criteria</b>              | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec) | <b>Road Speed Fan Usage</b>                   | Yes                                  |
| <b>PHEV/EV Charge Depleting Test Information</b>         |                                           |                                               |                                      |
| <b>Recharge Event Voltage</b>                            | 240                                       | <b>Recharge Event Energy (kiloWatt-hours)</b> | 24.401                               |
| <b>Charge Depleting Range (Calculated miles)</b>         | 50.268                                    | <b>Charge Depleting Range (Actual miles)</b>  | 49.854                               |
| <b>Charge Depleting Range Highway (Calculated miles)</b> | --                                        | <b>Derived 5-Cycle Coefficient Model Year</b> | 2017                                 |
| <b>All Electric Range Unadjusted (miles)</b>             | 49.854                                    | <b>Equivalent All Electric Range (miles)</b>  | 50.268                               |
| <b>Number of Charge Depleting Bags/Phases Conducted</b>  | 7                                         | <b>Transition Bag/Phase Number</b>            | 5                                    |
| <b>Charge Depleting Bag/Phase #1</b>                     |                                           |                                               |                                      |

## Certification Summary Information Report

| Test Group | VVGAT04.0LTA                                   | Evaporative/Refueling Family | VVGAR0176LCS |
|------------|------------------------------------------------|------------------------------|--------------|
|            | <b>Test Result/Emission Name</b>               | <b>Unrounded Test Result</b> |              |
|            | Actual Distance Driven (miles)                 | 10.269                       |              |
|            | Average System Voltage                         | 403.73                       |              |
|            | CH4 - Methane                                  | 0                            |              |
|            | Carbon Monoxide                                | 0                            |              |
|            | Carbon dioxide                                 | 0                            |              |
|            | Carbon-Related Exhaust Emissions               | 0                            |              |
|            | Drive Trace Absolute Speed Change Rating       | -1.7215                      |              |
|            | Drive Trace Energy Economy Rating              | -0.6442                      |              |
|            | Drive Trace Inertia Work Ratio Rating          | -2.2288                      |              |
|            | Integrated Amp-hours                           | 11.427                       |              |
|            | Manufacturer Fuel Economy                      | 0                            |              |
|            | Nitrogen Oxide                                 | 0                            |              |
|            | Non-methane Hydrocarbon                        | 0                            |              |
|            | Non-methane organic gases                      | 0                            |              |
|            | Non-methane organic gases plus Nitrogen Oxides | 999.999                      |              |
|            | System End State of Charge Watt-hours          | 21.383                       |              |
|            | System Start State of Charge Watt-hours        | 25.9                         |              |
|            | Total Hydrocarbon                              | 0                            |              |
|            | Charge Depleting Bag/Phase #2                  |                              |              |

## Certification Summary Information Report

| Test Group | VVGAT04.0LTA                                   | Evaporative/Refueling Family | VVGAR0176LCS |
|------------|------------------------------------------------|------------------------------|--------------|
|            | <b>Test Result/Emission Name</b>               | <b>Unrounded Test Result</b> |              |
|            | Actual Distance Driven (miles)                 | 10.259                       |              |
|            | Average System Voltage                         | 388.95                       |              |
|            | CH4 - Methane                                  | 0                            |              |
|            | Carbon Monoxide                                | 0                            |              |
|            | Carbon dioxide                                 | 0                            |              |
|            | Carbon-Related Exhaust Emissions               | 0                            |              |
|            | Drive Trace Absolute Speed Change Rating       | -3.0134                      |              |
|            | Drive Trace Energy Economy Rating              | -1.1788                      |              |
|            | Drive Trace Inertia Work Ratio Rating          | -3.3693                      |              |
|            | Integrated Amp-hours                           | 22.551                       |              |
|            | Manufacturer Fuel Economy                      | 0                            |              |
|            | Nitrogen Oxide                                 | 0                            |              |
|            | Non-methane Hydrocarbon                        | 0                            |              |
|            | Non-methane organic gases                      | 0                            |              |
|            | Non-methane organic gases plus Nitrogen Oxides | 999.999                      |              |
|            | System End State of Charge Watt-hours          | 17.212                       |              |
|            | System Start State of Charge Watt-hours        | 21.383                       |              |
|            | Total Hydrocarbon                              | 0                            |              |
|            | Charge Depleting Bag/Phase #3                  |                              |              |

## Certification Summary Information Report

| Test Group | VVGAT04.0LTA                                   | Evaporative/Refueling Family | VVGAR0176LCS |
|------------|------------------------------------------------|------------------------------|--------------|
|            | <b>Test Result/Emission Name</b>               | <b>Unrounded Test Result</b> |              |
|            | Actual Distance Driven (miles)                 | 10.248                       |              |
|            | Average System Voltage                         | 375.56                       |              |
|            | CH4 - Methane                                  | 0                            |              |
|            | Carbon Monoxide                                | 0                            |              |
|            | Carbon dioxide                                 | 0                            |              |
|            | Carbon-Related Exhaust Emissions               | 0                            |              |
|            | Drive Trace Absolute Speed Change Rating       | -1.526                       |              |
|            | Drive Trace Energy Economy Rating              | -1.0356                      |              |
|            | Drive Trace Inertia Work Ratio Rating          | -2.0941                      |              |
|            | Integrated Amp-hours                           | 34.096                       |              |
|            | Manufacturer Fuel Economy                      | 0                            |              |
|            | Nitrogen Oxide                                 | 0                            |              |
|            | Non-methane Hydrocarbon                        | 0                            |              |
|            | Non-methane organic gases                      | 0                            |              |
|            | Non-methane organic gases plus Nitrogen Oxides | 999.999                      |              |
|            | System End State of Charge Watt-hours          | 13.035                       |              |
|            | System Start State of Charge Watt-hours        | 17.212                       |              |
|            | Total Hydrocarbon                              | 0                            |              |
|            | Charge Depleting Bag/Phase #4                  |                              |              |

## Certification Summary Information Report

| Test Group | VVGAT04.0LTA                                   | Evaporative/Refueling Family | VVGAR0176LCS |
|------------|------------------------------------------------|------------------------------|--------------|
|            | <b>Test Result/Emission Name</b>               | <b>Unrounded Test Result</b> |              |
|            | Actual Distance Driven (miles)                 | 10.242                       |              |
|            | Average System Voltage                         | 361.79                       |              |
|            | CH4 - Methane                                  | 0                            |              |
|            | Carbon Monoxide                                | 0                            |              |
|            | Carbon dioxide                                 | 0                            |              |
|            | Carbon-Related Exhaust Emissions               | 0                            |              |
|            | Drive Trace Absolute Speed Change Rating       | -1.526                       |              |
|            | Drive Trace Energy Economy Rating              | -1.127                       |              |
|            | Drive Trace Inertia Work Ratio Rating          | -2.2639                      |              |
|            | Integrated Amp-hours                           | 45.826                       |              |
|            | Manufacturer Fuel Economy                      | 0                            |              |
|            | Nitrogen Oxide                                 | 0                            |              |
|            | Non-methane Hydrocarbon                        | 0                            |              |
|            | Non-methane organic gases                      | 0                            |              |
|            | Non-methane organic gases plus Nitrogen Oxides | 999.999                      |              |
|            | System End State of Charge Watt-hours          | 8.969                        |              |
|            | System Start State of Charge Watt-hours        | 13.035                       |              |
|            | Total Hydrocarbon                              | 0                            |              |
|            | Charge Depleting Bag/Phase #5                  |                              |              |

## Certification Summary Information Report

| Test Group                           | VVGAT04.0LTA                                   | Evaporative/Refueling Family | VVGAR0176LCS |
|--------------------------------------|------------------------------------------------|------------------------------|--------------|
|                                      | <b>Test Result/Emission Name</b>               | <b>Unrounded Test Result</b> |              |
|                                      | Actual Distance Driven (miles)                 | 10.255                       |              |
|                                      | Average System Voltage                         | 351.6                        |              |
|                                      | CH4 - Methane                                  | 0.00237                      |              |
|                                      | Carbon Monoxide                                | 0.16383                      |              |
|                                      | Carbon dioxide                                 | 75.37                        |              |
|                                      | Carbon-Related Exhaust Emissions               | 75                           |              |
|                                      | Drive Trace Absolute Speed Change Rating       | -4.4602                      |              |
|                                      | Drive Trace Energy Economy Rating              | -0.4683                      |              |
|                                      | Drive Trace Inertia Work Ratio Rating          | -5.4077                      |              |
|                                      | Integrated Amp-hours                           | 56.404                       |              |
|                                      | Manufacturer Fuel Economy                      | 0                            |              |
|                                      | Nitrogen Oxide                                 | 0.00226                      |              |
|                                      | Non-methane Hydrocarbon                        | 0.02694                      |              |
|                                      | Non-methane organic gases                      | 0.02775                      |              |
|                                      | Non-methane organic gases plus Nitrogen Oxides | 999.999                      |              |
|                                      | System End State of Charge Watt-hours          | 5.441                        |              |
|                                      | System Start State of Charge Watt-hours        | 8.969                        |              |
|                                      | Total Hydrocarbon                              | 0.02918                      |              |
| <b>Charge Depleting Bag/Phase #6</b> |                                                |                              |              |

## Certification Summary Information Report

| Test Group                           | VVGAT04.0LTA                                   | Evaporative/Refueling Family | VVGAR0176LCS |
|--------------------------------------|------------------------------------------------|------------------------------|--------------|
|                                      | <b>Test Result/Emission Name</b>               | <b>Unrounded Test Result</b> |              |
|                                      | Actual Distance Driven (miles)                 | 10.254                       |              |
|                                      | Average System Voltage                         | 358.79                       |              |
|                                      | CH4 - Methane                                  | 0.00072                      |              |
|                                      | Carbon Monoxide                                | 0.22492                      |              |
|                                      | Carbon dioxide                                 | 357.11                       |              |
|                                      | Carbon-Related Exhaust Emissions               | 357                          |              |
|                                      | Drive Trace Absolute Speed Change Rating       | -4.9269                      |              |
|                                      | Drive Trace Energy Economy Rating              | -0.8628                      |              |
|                                      | Drive Trace Inertia Work Ratio Rating          | -6.8507                      |              |
|                                      | Integrated Amp-hours                           | 54.813                       |              |
|                                      | Manufacturer Fuel Economy                      | 24.97                        |              |
|                                      | Nitrogen Oxide                                 | 0.00063                      |              |
|                                      | Non-methane Hydrocarbon                        | 0                            |              |
|                                      | Non-methane organic gases                      | 0                            |              |
|                                      | Non-methane organic gases plus Nitrogen Oxides | 999.999                      |              |
|                                      | System End State of Charge Watt-hours          | 6.209                        |              |
|                                      | System Start State of Charge Watt-hours        | 5.441                        |              |
|                                      | Total Hydrocarbon                              | 0.00036                      |              |
| <b>Charge Depleting Bag/Phase #7</b> |                                                |                              |              |

## Certification Summary Information Report

| Test Group                        | VVGAT04.0LTA                                                                               | Evaporative/Refueling Family | VVGAR0176LCS |
|-----------------------------------|--------------------------------------------------------------------------------------------|------------------------------|--------------|
|                                   | <b>Test Result/Emission Name</b>                                                           | <b>Unrounded Test Result</b> |              |
|                                   | Actual Distance Driven (miles)                                                             | 10.216                       |              |
|                                   | Average System Voltage                                                                     | 357.74                       |              |
|                                   | CH4 - Methane                                                                              | 0.00403                      |              |
|                                   | Carbon Monoxide                                                                            | 0.43976                      |              |
|                                   | Carbon dioxide                                                                             | 318.63                       |              |
|                                   | Carbon-Related Exhaust Emissions                                                           | 319                          |              |
|                                   | Drive Trace Absolute Speed Change Rating                                                   | -8.3963                      |              |
|                                   | Drive Trace Energy Economy Rating                                                          | -0.9627                      |              |
|                                   | Drive Trace Inertia Work Ratio Rating                                                      | -10.8731                     |              |
|                                   | Integrated Amp-hours                                                                       | 54.736                       |              |
|                                   | Manufacturer Fuel Economy                                                                  | 27.95                        |              |
|                                   | Nitrogen Oxide                                                                             | 0.00006                      |              |
|                                   | Non-methane Hydrocarbon                                                                    | 0.00263                      |              |
|                                   | Non-methane organic gases                                                                  | 0.00271                      |              |
|                                   | Non-methane organic gases plus Nitrogen Oxides                                             | 999.999                      |              |
|                                   | System End State of Charge Watt-hours                                                      | 6.423                        |              |
|                                   | System Start State of Charge Watt-hours                                                    | 6.209                        |              |
|                                   | Total Hydrocarbon                                                                          | 0.00645                      |              |
|                                   |                                                                                            |                              |              |
| <b>Manufacturer Test Comments</b> | MY2027 Lamborghini Urus Plug-In Hybrid - Charge Depleting HWY. Whr values entered as kWhr. |                              |              |

## Certification Summary Information Report

| Test Group                                                                | VVGAT04.0LTA                                       | Evaporative/Refueling Family                                              | VVGAR0176LCS |
|---------------------------------------------------------------------------|----------------------------------------------------|---------------------------------------------------------------------------|--------------|
| <b>Fuel Properties</b>                                                    |                                                    |                                                                           |              |
| <b>Fuel Batch ID</b>                                                      | <b>LB0022</b>                                      | <b>Fuel Calibration Number</b>                                            | <b>1</b>     |
| <b>Test Fuel Type</b>                                                     | 49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.) | <b>Fuel Batch Calibration Date</b>                                        | 06/19/2025   |
| <b>Fuel Batch Calibration Effective Date</b>                              | 06/24/2025                                         | <b>Fuel Batch Calibration Ineffective Date</b>                            | --           |
| <b>Carbon Weight Fraction NMHC</b>                                        | --                                                 | <b>Carbon Weight Fraction HC</b>                                          | --           |
| <b>Exhaust Carbon Weight Fraction</b>                                     | --                                                 | <b>Fuel Methanol Volume Fraction</b>                                      | --           |
| <b>Fuel Density (grams/cubic ft)</b>                                      | --                                                 | <b>Fuel Specific Gravity</b>                                              | 0.754        |
| <b>Fuel Ethanol Volume Percent (%)</b>                                    | 9.6                                                | <b>Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)</b> | --           |
| <b>Fuel Net Heat of Combustion (E10) (MJ/kg)</b>                          | 41.461                                             | <b>Fuel Carbon Mass Fraction (E10)</b>                                    | 0.829        |
| <b>Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)</b> | --                                                 | <b>Weight Fraction CO2</b>                                                | --           |
| <b>Fuel Batch ID</b>                                                      | <b>W22</b>                                         | <b>Fuel Calibration Number</b>                                            | <b>24</b>    |
| <b>Test Fuel Type</b>                                                     | 49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.) | <b>Fuel Batch Calibration Date</b>                                        | 01/19/2023   |
| <b>Fuel Batch Calibration Effective Date</b>                              | 01/19/2023                                         | <b>Fuel Batch Calibration Ineffective Date</b>                            | 01/31/2028   |
| <b>Carbon Weight Fraction NMHC</b>                                        | --                                                 | <b>Carbon Weight Fraction HC</b>                                          | --           |
| <b>Exhaust Carbon Weight Fraction</b>                                     | --                                                 | <b>Fuel Methanol Volume Fraction</b>                                      | --           |
| <b>Fuel Density (grams/cubic ft)</b>                                      | --                                                 | <b>Fuel Specific Gravity</b>                                              | 0.741        |
| <b>Fuel Ethanol Volume Percent (%)</b>                                    | 10.1                                               | <b>Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)</b> | 17962        |
| <b>Fuel Net Heat of Combustion (E10) (MJ/kg)</b>                          | --                                                 | <b>Fuel Carbon Mass Fraction (E10)</b>                                    | --           |
| <b>Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)</b> | 0.834                                              | <b>Weight Fraction CO2</b>                                                | --           |
| <b>Fuel Batch ID</b>                                                      | <b>LB0025</b>                                      | <b>Fuel Calibration Number</b>                                            | <b>1</b>     |
| <b>Test Fuel Type</b>                                                     | 61 - Tier 2 Cert Gasoline                          | <b>Fuel Batch Calibration Date</b>                                        | 08/15/2025   |
| <b>Fuel Batch Calibration Effective Date</b>                              | 01/13/2026                                         | <b>Fuel Batch Calibration Ineffective Date</b>                            | --           |
| <b>Carbon Weight Fraction NMHC</b>                                        | --                                                 | <b>Carbon Weight Fraction HC</b>                                          | --           |
| <b>Exhaust Carbon Weight Fraction</b>                                     | --                                                 | <b>Fuel Methanol Volume Fraction</b>                                      | --           |
| <b>Fuel Density (grams/cubic ft)</b>                                      | --                                                 | <b>Fuel Specific Gravity</b>                                              | 0.744        |
| <b>Fuel Ethanol Volume Percent (%)</b>                                    | --                                                 | <b>Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)</b> | 18421        |
| <b>Fuel Net Heat of Combustion (E10) (MJ/kg)</b>                          | --                                                 | <b>Fuel Carbon Mass Fraction (E10)</b>                                    | --           |
| <b>Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)</b> | 0.867                                              | <b>Weight Fraction CO2</b>                                                | --           |
| <b>Fuel Batch ID</b>                                                      | <b>IG0060</b>                                      | <b>Fuel Calibration Number</b>                                            | <b>1</b>     |
| <b>Test Fuel Type</b>                                                     | 49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.) | <b>Fuel Batch Calibration Date</b>                                        | 03/13/2026   |
| <b>Fuel Batch Calibration Effective Date</b>                              | 03/23/2026                                         | <b>Fuel Batch Calibration Ineffective Date</b>                            | --           |

## Certification Summary Information Report

| Test Group                                                         |                                            | VVGAT04.0LTA | Evaporative/Refueling Family                                       | VVGAR0176LCS |
|--------------------------------------------------------------------|--------------------------------------------|--------------|--------------------------------------------------------------------|--------------|
| Carbon Weight Fraction NMHC                                        | --                                         |              | Carbon Weight Fraction HC                                          | --           |
| Exhaust Carbon Weight Fraction                                     | --                                         |              | Fuel Methanol Volume Fraction                                      | --           |
| Fuel Density (grams/cubic ft)                                      | --                                         |              | Fuel Specific Gravity                                              | 0.755        |
| Fuel Ethanol Volume Percent (%)                                    | 9.7                                        |              | Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb) | --           |
| Fuel Net Heat of Combustion (E10) (MJ/kg)                          | 41.43                                      |              | Fuel Carbon Mass Fraction (E10)                                    | 0.828        |
| Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0) | --                                         |              | Weight Fraction CO2                                                | --           |
| Fuel Batch ID                                                      | LB0024                                     |              | Fuel Calibration Number                                            | 1            |
| Test Fuel Type                                                     | 29 - Cold CO E10 Premium Gasoline (Tier 3) |              | Fuel Batch Calibration Date                                        | 04/23/2025   |
| Fuel Batch Calibration Effective Date                              | 04/25/2025                                 |              | Fuel Batch Calibration Ineffective Date                            | --           |
| Carbon Weight Fraction NMHC                                        | --                                         |              | Carbon Weight Fraction HC                                          | --           |
| Exhaust Carbon Weight Fraction                                     | --                                         |              | Fuel Methanol Volume Fraction                                      | --           |
| Fuel Density (grams/cubic ft)                                      | --                                         |              | Fuel Specific Gravity                                              | 0.748        |
| Fuel Ethanol Volume Percent (%)                                    | 9.7                                        |              | Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb) | --           |
| Fuel Net Heat of Combustion (E10) (MJ/kg)                          | 41.5                                       |              | Fuel Carbon Mass Fraction (E10)                                    | 0.826        |
| Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0) | --                                         |              | Weight Fraction CO2                                                | --           |

## Certification Summary Information Report

| Test Group                     |               | VVGAT04.0LTA                               |     |             | Evaporative/Refueling Family    |                                   | VVGAR0176LCS                            |        |        |
|--------------------------------|---------------|--------------------------------------------|-----|-------------|---------------------------------|-----------------------------------|-----------------------------------------|--------|--------|
| Consolidated List of Standards |               |                                            |     |             |                                 |                                   |                                         |        |        |
| Exhaust Standards              |               |                                            |     |             |                                 |                                   |                                         |        |        |
| Cert Region                    |               | California + CAA Section 177 states        |     |             | Cert/In-Use Code                |                                   | Both                                    |        |        |
| Vehicle Class                  |               | LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000) |     |             | Standard Level                  |                                   | California LEV-III ULEV70               |        |        |
| Fuel                           |               | Gasoline                                   |     |             | Test Procedure                  |                                   | Federal fuel 2-day exhaust (w/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            | --                                         | --  | --          | --                              | --                                | --                                      | 0.240  | 1.7    |
| 150,000 miles                  | CO-COMP       | --                                         | --  | --          | --                              | --                                | --                                      | --     | 4.2    |
| 150,000 miles                  | NMOG          | --                                         | --  | 1.0984      | --                              | --                                | --                                      | 0.0098 | 99.999 |
| 150,000 miles                  | NMOG+NOX      | --                                         | --  | --          | --                              | --                                | 1                                       | --     | 0.070  |
| 150,000 miles                  | NMOG+NOX-COMP | --                                         | --  | --          | --                              | --                                | --                                      | --     | 0.090  |
| 150,000 miles                  | NOX           | --                                         | --  | --          | --                              | --                                | --                                      | 0.0070 | 99.999 |
| 150,000 miles                  | PM            | --                                         | --  | --          | --                              | --                                | --                                      | 0      | 0.003  |
|                                |               |                                            |     |             |                                 |                                   |                                         |        |        |
| Cert Region                    |               | Federal                                    |     |             | Cert/In-Use Code                |                                   | Both                                    |        |        |
| Vehicle Class                  |               | LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000) |     |             | Standard Level                  |                                   | Federal Tier 4 Bin 70                   |        |        |
| Fuel                           |               | Gasoline                                   |     |             | Test Procedure                  |                                   | Federal fuel 2-day exhaust (w/can load) |        |        |
| Useful Life                    | Emission Name | Rounded Result                             | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF                                 | Add DF | Std    |
| 120,000 miles                  | CREE          | --                                         | --  | --          | --                              | --                                | --                                      | 0.6400 | 999    |
| 120,000 miles                  | METHANE       | --                                         | --  | --          | --                              | --                                | --                                      | 0.0027 | 0.030  |
| 120,000 miles                  | N2O           | --                                         | --  | --          | --                              | --                                | --                                      | 0.0012 | 0.010  |
| 150,000 miles                  | CO            | --                                         | --  | --          | --                              | --                                | --                                      | 0.240  | 1.7    |
| 150,000 miles                  | CO-COMP       | --                                         | --  | --          | --                              | --                                | --                                      | --     | 4.2    |
| 150,000 miles                  | NMOG          | --                                         | --  | 1.0984      | --                              | --                                | --                                      | 0.0098 | 99.999 |
| 150,000 miles                  | NMOG+NOX      | --                                         | --  | --          | --                              | --                                | 1                                       | --     | 0.070  |
| 150,000 miles                  | NMOG+NOX-COMP | --                                         | --  | --          | --                              | --                                | --                                      | --     | 0.090  |
| 150,000 miles                  | NOX           | --                                         | --  | --          | --                              | --                                | --                                      | 0.0070 | 99.999 |
| 150,000 miles                  | PM            | --                                         | --  | --          | --                              | --                                | --                                      | 0.0000 | 0.003  |
|                                |               |                                            |     |             |                                 |                                   |                                         |        |        |

## Certification Summary Information Report

|                      |                      |                                            |            |                    |                                        |                                          |                |                           |            |
|----------------------|----------------------|--------------------------------------------|------------|--------------------|----------------------------------------|------------------------------------------|----------------|---------------------------|------------|
| <b>Test Group</b>    |                      | VVGAT04.0LTA                               |            |                    | <b>Evaporative/Refueling Family</b>    |                                          |                | VVGAR0176LCS              |            |
| <b>Cert Region</b>   |                      | California + CAA Section 177 states        |            |                    | <b>Cert/In-Use Code</b>                |                                          |                | Both                      |            |
| <b>Vehicle Class</b> |                      | LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000) |            |                    | <b>Standard Level</b>                  |                                          |                | California LEV-III ULEV70 |            |
| <b>Fuel</b>          |                      | Gasoline                                   |            |                    | <b>Test Procedure</b>                  |                                          |                | US06                      |            |
| <b>Useful Life</b>   | <b>Emission Name</b> | <b>Rounded Result</b>                      | <b>RAF</b> | <b>NMOG / NMHC</b> | <b>Upward Diesel Adjustment Factor</b> | <b>Downward Diesel Adjustment Factor</b> | <b>Mult DF</b> | <b>Add DF</b>             | <b>Std</b> |
| 150,000 miles        | CO                   | --                                         | --         | --                 | --                                     | --                                       | --             | 0.240                     | 99.999     |
| 150,000 miles        | NMOG                 | --                                         | --         | 1.0300             | --                                     | --                                       | --             | 0.0098                    | 99.999     |
| 150,000 miles        | NOX                  | --                                         | --         | --                 | --                                     | --                                       | --             | 0.0070                    | 99.999     |
| 150,000 miles        | PM                   | --                                         | --         | --                 | --                                     | --                                       | --             | 0                         | 0.006      |

|                      |                      |                                            |            |                    |                                        |                                          |                |                       |            |
|----------------------|----------------------|--------------------------------------------|------------|--------------------|----------------------------------------|------------------------------------------|----------------|-----------------------|------------|
| <b>Cert Region</b>   |                      | Federal                                    |            |                    | <b>Cert/In-Use Code</b>                |                                          |                | Both                  |            |
| <b>Vehicle Class</b> |                      | LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000) |            |                    | <b>Standard Level</b>                  |                                          |                | Federal Tier 4 Bin 70 |            |
| <b>Fuel</b>          |                      | Gasoline                                   |            |                    | <b>Test Procedure</b>                  |                                          |                | HWFE                  |            |
| <b>Useful Life</b>   | <b>Emission Name</b> | <b>Rounded Result</b>                      | <b>RAF</b> | <b>NMOG / NMHC</b> | <b>Upward Diesel Adjustment Factor</b> | <b>Downward Diesel Adjustment Factor</b> | <b>Mult DF</b> | <b>Add DF</b>         | <b>Std</b> |
| 120,000 miles        | CREE                 | --                                         | --         | --                 | --                                     | --                                       | --             | 0.6400                | 999        |
| 150,000 miles        | NMOG                 | --                                         | --         | 1.0300             | --                                     | --                                       | --             | 0.0098                | 99.999     |
| 150,000 miles        | NMOG+NOX             | --                                         | --         | --                 | --                                     | --                                       | 1              | --                    | 0.070      |
| 150,000 miles        | NOX                  | --                                         | --         | --                 | --                                     | --                                       | --             | 0.0070                | 99.999     |

|                      |                      |                                            |            |                    |                                        |                                          |                |                       |            |
|----------------------|----------------------|--------------------------------------------|------------|--------------------|----------------------------------------|------------------------------------------|----------------|-----------------------|------------|
| <b>Cert Region</b>   |                      | Federal                                    |            |                    | <b>Cert/In-Use Code</b>                |                                          |                | Both                  |            |
| <b>Vehicle Class</b> |                      | LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000) |            |                    | <b>Standard Level</b>                  |                                          |                | Federal Tier 4 Bin 70 |            |
| <b>Fuel</b>          |                      | Gasoline                                   |            |                    | <b>Test Procedure</b>                  |                                          |                | Cold CO               |            |
| <b>Useful Life</b>   | <b>Emission Name</b> | <b>Rounded Result</b>                      | <b>RAF</b> | <b>NMOG / NMHC</b> | <b>Upward Diesel Adjustment Factor</b> | <b>Downward Diesel Adjustment Factor</b> | <b>Mult DF</b> | <b>Add DF</b>         | <b>Std</b> |
| 50,000 miles         | CO                   | --                                         | --         | --                 | --                                     | --                                       | --             | 0.240                 | 10.0       |
| 120,000 miles        | HC-NM                | --                                         | --         | --                 | --                                     | --                                       | --             | 0.0098                | 0.5        |

## Certification Summary Information Report

|                      |                      |                                            |            |                    |                                        |                                          |                |                       |            |
|----------------------|----------------------|--------------------------------------------|------------|--------------------|----------------------------------------|------------------------------------------|----------------|-----------------------|------------|
| <b>Test Group</b>    |                      | VVGAT04.0LTA                               |            |                    | <b>Evaporative/Refueling Family</b>    |                                          |                | VVGAR0176LCS          |            |
| <b>Cert Region</b>   |                      | Federal                                    |            |                    | <b>Cert/In-Use Code</b>                |                                          |                | Both                  |            |
| <b>Vehicle Class</b> |                      | LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000) |            |                    | <b>Standard Level</b>                  |                                          |                | Federal Tier 4 Bin 70 |            |
| <b>Fuel</b>          |                      | Gasoline                                   |            |                    | <b>Test Procedure</b>                  |                                          |                | SC03                  |            |
| <b>Useful Life</b>   | <b>Emission Name</b> | <b>Rounded Result</b>                      | <b>RAF</b> | <b>NMOG / NMHC</b> | <b>Upward Diesel Adjustment Factor</b> | <b>Downward Diesel Adjustment Factor</b> | <b>Mult DF</b> | <b>Add DF</b>         | <b>Std</b> |
| 150,000 miles        | CO                   | --                                         | --         | --                 | --                                     | --                                       | --             | 0.240                 | 99.999     |
| 150,000 miles        | NMOG                 | --                                         | --         | 1.0300             | --                                     | --                                       | --             | 0.0098                | 99.999     |
| 150,000 miles        | NOX                  | --                                         | --         | --                 | --                                     | --                                       | --             | 0.0070                | 99.999     |

|                      |                      |                                            |            |                    |                                        |                                          |                |                       |            |
|----------------------|----------------------|--------------------------------------------|------------|--------------------|----------------------------------------|------------------------------------------|----------------|-----------------------|------------|
| <b>Cert Region</b>   |                      | Federal                                    |            |                    | <b>Cert/In-Use Code</b>                |                                          |                | Both                  |            |
| <b>Vehicle Class</b> |                      | LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000) |            |                    | <b>Standard Level</b>                  |                                          |                | Federal Tier 4 Bin 70 |            |
| <b>Fuel</b>          |                      | Gasoline                                   |            |                    | <b>Test Procedure</b>                  |                                          |                | US06                  |            |
| <b>Useful Life</b>   | <b>Emission Name</b> | <b>Rounded Result</b>                      | <b>RAF</b> | <b>NMOG / NMHC</b> | <b>Upward Diesel Adjustment Factor</b> | <b>Downward Diesel Adjustment Factor</b> | <b>Mult DF</b> | <b>Add DF</b>         | <b>Std</b> |
| 150,000 miles        | CO                   | --                                         | --         | --                 | --                                     | --                                       | --             | 0.240                 | 99.999     |
| 150,000 miles        | NMOG                 | --                                         | --         | 1.0300             | --                                     | --                                       | --             | 0.0098                | 99.999     |
| 150,000 miles        | NOX                  | --                                         | --         | --                 | --                                     | --                                       | --             | 0.0070                | 99.999     |
| 150,000 miles        | PM                   | --                                         | --         | --                 | --                                     | --                                       | --             | 0.0000                | 0.006      |

|                      |                      |                                            |            |                    |                                        |                                          |                |                           |            |
|----------------------|----------------------|--------------------------------------------|------------|--------------------|----------------------------------------|------------------------------------------|----------------|---------------------------|------------|
| <b>Cert Region</b>   |                      | California + CAA Section 177 states        |            |                    | <b>Cert/In-Use Code</b>                |                                          |                | Both                      |            |
| <b>Vehicle Class</b> |                      | LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000) |            |                    | <b>Standard Level</b>                  |                                          |                | California LEV-III ULEV70 |            |
| <b>Fuel</b>          |                      | Gasoline                                   |            |                    | <b>Test Procedure</b>                  |                                          |                | SC03                      |            |
| <b>Useful Life</b>   | <b>Emission Name</b> | <b>Rounded Result</b>                      | <b>RAF</b> | <b>NMOG / NMHC</b> | <b>Upward Diesel Adjustment Factor</b> | <b>Downward Diesel Adjustment Factor</b> | <b>Mult DF</b> | <b>Add DF</b>             | <b>Std</b> |
| 150,000 miles        | CO                   | --                                         | --         | --                 | --                                     | --                                       | --             | 0.240                     | 99.999     |
| 150,000 miles        | NMOG                 | --                                         | --         | 1.0300             | --                                     | --                                       | --             | 0.0098                    | 99.999     |
| 150,000 miles        | NOX                  | --                                         | --         | --                 | --                                     | --                                       | --             | 0.0070                    | 99.999     |

## Certification Summary Information Report

|                      |                                            |                       |            |                    |                                        |                                          |                |                           |            |
|----------------------|--------------------------------------------|-----------------------|------------|--------------------|----------------------------------------|------------------------------------------|----------------|---------------------------|------------|
| <b>Test Group</b>    | VVGAT04.0LTA                               |                       |            |                    | <b>Evaporative/Refueling Family</b>    |                                          |                | VVGAR0176LCS              |            |
| <b>Cert Region</b>   | California + CAA Section 177 states        |                       |            |                    | <b>Cert/In-Use Code</b>                |                                          |                | Both                      |            |
| <b>Vehicle Class</b> | LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000) |                       |            |                    | <b>Standard Level</b>                  |                                          |                | California LEV-III ULEV70 |            |
| <b>Fuel</b>          | Gasoline                                   |                       |            |                    | <b>Test Procedure</b>                  |                                          |                | Fed. fuel 50 F exh.       |            |
| <b>Useful Life</b>   | <b>Emission Name</b>                       | <b>Rounded Result</b> | <b>RAF</b> | <b>NMOG / NMHC</b> | <b>Upward Diesel Adjustment Factor</b> | <b>Downward Diesel Adjustment Factor</b> | <b>Mult DF</b> | <b>Add DF</b>             | <b>Std</b> |
| 4,000 miles          | CO                                         | --                    | --         | --                 | --                                     | --                                       | --             | --                        | 1.7        |
| 4,000 miles          | NMOG                                       | --                    | --         | 1.0984             | --                                     | --                                       | --             | --                        | 99.999     |
| 4,000 miles          | NMOG+NOX                                   | --                    | --         | --                 | --                                     | --                                       | 1              | --                        | 0.140      |
| 4,000 miles          | NOX                                        | --                    | --         | --                 | --                                     | --                                       | --             | --                        | 99.999     |

|                      |                                            |                       |            |                    |                                        |                                          |                |                           |            |
|----------------------|--------------------------------------------|-----------------------|------------|--------------------|----------------------------------------|------------------------------------------|----------------|---------------------------|------------|
| <b>Cert Region</b>   | California + CAA Section 177 states        |                       |            |                    | <b>Cert/In-Use Code</b>                |                                          |                | Both                      |            |
| <b>Vehicle Class</b> | LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000) |                       |            |                    | <b>Standard Level</b>                  |                                          |                | California LEV-III ULEV70 |            |
| <b>Fuel</b>          | Gasoline                                   |                       |            |                    | <b>Test Procedure</b>                  |                                          |                | HWFE                      |            |
| <b>Useful Life</b>   | <b>Emission Name</b>                       | <b>Rounded Result</b> | <b>RAF</b> | <b>NMOG / NMHC</b> | <b>Upward Diesel Adjustment Factor</b> | <b>Downward Diesel Adjustment Factor</b> | <b>Mult DF</b> | <b>Add DF</b>             | <b>Std</b> |
| 150,000 miles        | NMOG                                       | --                    | --         | 1.0300             | --                                     | --                                       | --             | 0.0098                    | 99.999     |
| 150,000 miles        | NMOG+NOX                                   | --                    | --         | --                 | --                                     | --                                       | 1              | --                        | 0.070      |
| 150,000 miles        | NOX                                        | --                    | --         | --                 | --                                     | --                                       | --             | 0.0070                    | 99.999     |

|                      |                                            |                       |            |                    |                                        |                                          |                |                           |            |
|----------------------|--------------------------------------------|-----------------------|------------|--------------------|----------------------------------------|------------------------------------------|----------------|---------------------------|------------|
| <b>Cert Region</b>   | California + CAA Section 177 states        |                       |            |                    | <b>Cert/In-Use Code</b>                |                                          |                | Both                      |            |
| <b>Vehicle Class</b> | LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000) |                       |            |                    | <b>Standard Level</b>                  |                                          |                | California LEV-III ULEV70 |            |
| <b>Fuel</b>          | Gasoline                                   |                       |            |                    | <b>Test Procedure</b>                  |                                          |                | Cold CO                   |            |
| <b>Useful Life</b>   | <b>Emission Name</b>                       | <b>Rounded Result</b> | <b>RAF</b> | <b>NMOG / NMHC</b> | <b>Upward Diesel Adjustment Factor</b> | <b>Downward Diesel Adjustment Factor</b> | <b>Mult DF</b> | <b>Add DF</b>             | <b>Std</b> |
| 50,000 miles         | CO                                         | --                    | --         | --                 | --                                     | --                                       | --             | 0.240                     | 10.0       |

## Evaporative/Refueling Standards

|                              |               |                           |                |                |        |                     |  |
|------------------------------|---------------|---------------------------|----------------|----------------|--------|---------------------|--|
| Evaporative/Refueling Family |               | VVGAR0176LCS              |                | Cert Region    |        | Federal             |  |
| Cert/In-Use Code             |               | Both                      |                | Standard Level |        | Federal Tier 3 Evap |  |
| Test Procedure               |               | Federal Fuel Running Loss |                |                |        |                     |  |
| Fuel                         | Useful Life   | Emission Name             | Rounded Result | Std            | Add DF |                     |  |
| Gasoline                     | 150,000 miles | HC-TOTAL-EQUIV            | --             | 0.05           | 0.000  |                     |  |

## Certification Summary Information Report

|                              |               |                                    |                |                              |        |                                         |  |
|------------------------------|---------------|------------------------------------|----------------|------------------------------|--------|-----------------------------------------|--|
| Test Group                   |               | VVGAT04.0LTA                       |                | Evaporative/Refueling Family |        | VVGAR0176LCS                            |  |
|                              |               |                                    |                |                              |        |                                         |  |
| Evaporative/Refueling Family |               | VVGAR0176LCS                       |                | Cert Region                  |        | Federal                                 |  |
| Cert/In-Use Code             |               | Both                               |                | Standard Level               |        | Federal Tier 3 Evap                     |  |
| Test Procedure               |               | Federal fuel refueling test (ORVR) |                |                              |        |                                         |  |
| Fuel                         | Useful Life   | Emission Name                      | Rounded Result | Std                          | Add DF |                                         |  |
| Gasoline                     | 150,000 miles | HC                                 | --             | 0.20                         | 0.005  |                                         |  |
|                              |               |                                    |                |                              |        |                                         |  |
| Evaporative/Refueling Family |               | VVGAR0176LCS                       |                | Cert Region                  |        | Federal                                 |  |
| Cert/In-Use Code             |               | Both                               |                | Standard Level               |        | Federal Tier 3 Evap                     |  |
| Test Procedure               |               | 2-day evap                         |                |                              |        |                                         |  |
| Fuel                         | Useful Life   | Emission Name                      | Rounded Result | Std                          | Add DF |                                         |  |
| Gasoline                     | 150,000 miles | HC-TOTAL-EQUIV                     | --             | 0.500                        | 0.0030 |                                         |  |
|                              |               |                                    |                |                              |        |                                         |  |
| Evaporative/Refueling Family |               | VVGAR0176LCS                       |                | Cert Region                  |        | California + CAA Section 177 states     |  |
| Cert/In-Use Code             |               | Both                               |                | Standard Level               |        | California LEV-III Zero Evap (Option 2) |  |
| Test Procedure               |               | Federal fuel 3-day evap            |                |                              |        |                                         |  |
| Fuel                         | Useful Life   | Emission Name                      | Rounded Result | Std                          | Add DF |                                         |  |
| Gasoline                     | 150,000 miles | HC-TOTAL-EQUIV                     | --             | 0.500                        | 0.0067 |                                         |  |
|                              |               |                                    |                |                              |        |                                         |  |
| Evaporative/Refueling Family |               | VVGAR0176LCS                       |                | Cert Region                  |        | California + CAA Section 177 states     |  |
| Cert/In-Use Code             |               | Both                               |                | Standard Level               |        | California LEV-III Zero Evap (Option 2) |  |
| Test Procedure               |               | 2-day evap                         |                |                              |        |                                         |  |
| Fuel                         | Useful Life   | Emission Name                      | Rounded Result | Std                          | Add DF |                                         |  |
| Gasoline                     | 150,000 miles | HC-TOTAL-EQUIV                     | --             | 0.500                        | 0.0030 |                                         |  |
|                              |               |                                    |                |                              |        |                                         |  |
| Evaporative/Refueling Family |               | VVGAR0176LCS                       |                | Cert Region                  |        | California + CAA Section 177 states     |  |
| Cert/In-Use Code             |               | Both                               |                | Standard Level               |        | California LEV-III Zero Evap (Option 2) |  |
| Test Procedure               |               | Federal Fuel Running Loss          |                |                              |        |                                         |  |
| Fuel                         | Useful Life   | Emission Name                      | Rounded Result | Std                          | Add DF |                                         |  |
| Gasoline                     | 150,000 miles | HC-TOTAL-EQUIV                     | --             | 0.05                         | 0.000  |                                         |  |
|                              |               |                                    |                |                              |        |                                         |  |

## Certification Summary Information Report

|                              |               |                                    |                |                              |        |                                         |  |
|------------------------------|---------------|------------------------------------|----------------|------------------------------|--------|-----------------------------------------|--|
| Test Group                   |               | VVGAT04.0LTA                       |                | Evaporative/Refueling Family |        | VVGAR0176LCS                            |  |
| Evaporative/Refueling Family |               | VVGAR0176LCS                       |                | Cert Region                  |        | California + CAA Section 177 states     |  |
| Cert/In-Use Code             |               | Both                               |                | Standard Level               |        | California LEV-III Zero Evap (Option 2) |  |
| Test Procedure               |               | Federal fuel refueling test (ORVR) |                |                              |        |                                         |  |
| Fuel                         | Useful Life   | Emission Name                      | Rounded Result | Std                          | Add DF |                                         |  |
| Gasoline                     | 150,000 miles | HC                                 | --             | 0.20                         | 0.005  |                                         |  |
|                              |               |                                    |                |                              |        |                                         |  |
| Evaporative/Refueling Family |               | VVGAR0176LCS                       |                | Cert Region                  |        | Federal                                 |  |
| Cert/In-Use Code             |               | Both                               |                | Standard Level               |        | Federal Tier 3 Evap                     |  |
| Test Procedure               |               | Federal fuel 3-day evap            |                |                              |        |                                         |  |
| Fuel                         | Useful Life   | Emission Name                      | Rounded Result | Std                          | Add DF |                                         |  |
| Gasoline                     | 150,000 miles | HC-TOTAL-EQUIV                     | --             | 0.500                        | 0.0067 |                                         |  |

## Certification Summary Information Report

| Test Group           |                                                                 | VVGAT04.0LTA       | Evaporative/Refueling Family                       | VVGAR0176LCS |
|----------------------|-----------------------------------------------------------------|--------------------|----------------------------------------------------|--------------|
| Glossary             |                                                                 |                    |                                                    |              |
| <b>Useful Life</b>   |                                                                 |                    |                                                    |              |
| 4                    | 4,000 miles                                                     | 120                | 120,000 miles                                      |              |
| 50                   | 50,000 miles                                                    | 150                | 150,000 miles                                      |              |
| 100                  | 100,000 miles                                                   |                    |                                                    |              |
| <b>Emission Name</b> |                                                                 |                    |                                                    |              |
| HC-TOTAL             | Total Hydrocarbon                                               | 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                             |                                                            | VVGAT04.0LTA | Evaporative/Refueling Family |                                                 | VVGAR0176LCS |
|----------------------------------------|------------------------------------------------------------|--------------|------------------------------|-------------------------------------------------|--------------|
| 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                             |              |
| <b>Certification Region</b>            |                                                            |              |                              |                                                 |              |
| CA                                     | California + CAA Section 177 states                        |              | FA                           | Federal                                         |              |
| <b>Exhaust Emission Standard Level</b> |                                                            |              |                              |                                                 |              |
| 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                    |                                                                   | VVGAT04.0LTA | Evaporative/Refueling Family                             |                            | VVGAR0176LCS |
|-------------------------------|-------------------------------------------------------------------|--------------|----------------------------------------------------------|----------------------------|--------------|
| 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                   |              |                                                          |                            |              |
| <b>Transmission Type Code</b> |                                                                   |              |                                                          |                            |              |
| AMS                           | Automated Manual- Selectable (e.g. Automated Manual with paddles) | M            | Manual                                                   |                            |              |
| A                             | Automatic                                                         | OT           | Other                                                    |                            |              |
| AM                            | Automated Manual                                                  | SA           | Semi-Automatic                                           |                            |              |
| CVT                           | Continuously Variable                                             | SCV          | Selectable Continuously Variable (e.g. CVT with paddles) |                            |              |
| <b>Drive System Code</b>      |                                                                   |              |                                                          |                            |              |
| 4                             | 4-Wheel Drive                                                     | P            | Part-time 4-Wheel Drive                                  |                            |              |

**Certification Summary Information Report**

| <b>Test Group</b>                    |                                 | VVGAT04.0LTA | <b>Evaporative/Refueling Family</b> |                                  | VVGAR0176LCS |
|--------------------------------------|---------------------------------|--------------|-------------------------------------|----------------------------------|--------------|
| F                                    | 2-Wheel Drive, Front            |              | A                                   | All Wheel Drive                  |              |
| R                                    | 2-Wheel Drive, Rear             |              |                                     |                                  |              |
| <b>Additional Terms and Acronyms</b> |                                 |              |                                     |                                  |              |
| AFC                                  | Alternative Fuel Converter      |              | ICI                                 | Independent Commercial Importer  |              |
| CSI                                  | Certificate Summary Information |              | ORVR                                | Onboard Refueling Vapor Recovery |              |
| DF                                   | Deterioration Factor            |              | SIL                                 | Shift Indicator Light            |              |
| Evap                                 | Evaporation, Evaporative        |              | Trans                               | Transmission                     |              |

## 8. Emission Testing Waiver Statements

### ***Emissions Continuity Compliance Statement NMOG, CO, CO<sub>2</sub>, NO<sub>x</sub>, N<sub>2</sub>O, CH<sub>4</sub>, and HCHO***

In accordance with EPA Guidance Letter CD-14-19 and 40 CFR 86.1809-12 (e) the Volkswagen Group hereby certifies that based on engineering evaluations of emission testing there is no discontinuity in emission performance of NMOG, CO, CO<sub>2</sub>, NO<sub>x</sub>, N<sub>2</sub>O, CH<sub>4</sub> and HCHO as measured and averaged over the Federal Test Procedure and the Highway Test Procedure in the temperature range of 20°F to 86°F for vehicles in this test group.

The normal operation of the emission control system consists of:

(i) Cycling back and forth in a narrow window between rich and lean operation as a result of feedback controls targeted to maintain overall engine operation at stoichiometry.

(ii) Small changes in the target air-fuel ratio to optimize vehicle emissions or drivability. This may be called "closed loop biasing."

(iii) Temporary enrichment in response to rapid throttle motion.

(iv) Enrichment during cold-start and warm-up conditions.

(v) Temporary air/fuel mixture modulation for running OBD checks to comply with California OBD regulations contained in 13 CCR §1968.2.

(vi) Infrequent operation modes, e.g. PM trap regeneration, are certified under special provisions of the CFR".

The modulation of the emission control system can cause step changes in emissions and CO<sub>2</sub> depending on the driving condition (engine speed and load). This modulation is not forming a discontinuity in emissions because it is included in the Federal Test Procedures and is working under the same conditions during on-road operation.

### ***91 RON (Knock Sensor): Compliance Statement:***

***(Note: Statement only applies to regular fuel concepts)***

In accordance with EPA Guidance Letter CD-14-19 and VPCD-97-01, city and highway fuel economy test result differences between 91 RON operation and 96 RON operation are within 3% and there are no emission increases (beyond normal test variability) using 91 RON fuel with a comparable fuel specification when tested on the FTP or SFTP cycles.

### ***A/C Calibrations – Compliance Statement***

In accordance with EPA Guidance Letter CD-14-19 and 40 CFR 86.1811-17 (d) (3) there are neither A/C-on specific calibrations nor A/C-on specific "open-loop" or "commanded" air fuel enrichment strategies incorporated into the vehicle design of this Test Group.

### ***Lean Best Torque Compliance Statement***

In accordance with EPA Guidance Letter CD-14-19 and 40 CFR 86.1811-17 (d) (1) the air fuel ratio is not richer at any time over the US06 cycle than the leanest air fuel ratio required to obtain maximum torque plus a tolerance of four percent. Other enrichments, if applicable e.g. for part protection, are described in the AECD description of the test group (section 16).

### ***Lean-On Cruise Compliance Statement***

In accordance with EPA Guidance Letter CD-14-19 and 40 CFR 86.1811-17 (d) (4) there are no "Lean-on-cruise" calibration strategies incorporated into the vehicle design of this test group.

### ***OBD Compliance Statement***

The OBD system meets the full intent of both the EPA Tier 3 Regulations contained in CFR Title 40 Part 86.1806-17 and the California OBD regulations contained in 13 CCR §1968.2.

### ***Leak Free Exhaust System Compliance Statement***

In accordance with 40 CFR 86.1844-01(d)(16(i), the Volkswagen Group hereby states that, for vehicles described in this application, as appropriate, it has conducted an engineering analysis of the complete exhaust system to ensure that the exhaust system has been designed:

(A) To facilitate leak-free assembly, installation and operation for the full useful life of the vehicles, and

(B) to facilitate that such repairs as might be necessary on a properly maintained and used vehicle can be performed in such a manner as to maintain leak-free operation, using tools commonly available in a motor vehicle dealership or independent repair shop for the full useful life of the vehicle.

A "leak-free" exhaust system is understood from the engine block to the point in the exhaust system behind the last component of exhaust aftertreatment system (e.g. catalyst).

Silencer/muffler and tailpipes are not part of the exhaust aftertreatment system when installed downstream the last component of exhaust aftertreatment.

For installation/mounting of the exhaust system clamps and/or flanges are used with a technical leakage specification ensuring compliance with exhaust emission standards in-use. Meaning: The exhaust system is designed to fulfill the lowest leakage according to state-of-the-art exhaust aftertreatment systems.

### ***High Altitude Exhaust Emissions Compliance Statement***

In accordance with 40 CFR 86.1829-15 (c), The Volkswagen Group hereby certifies that, based upon engineering evaluation and high altitude emission tests conducted on similar vehicles, all vehicles of this test group comply with the high altitude exhaust emissions requirements.

***Formaldehyde Emissions Compliance Statement***

In accordance with 86.1829-15 (d) (4), and based upon good engineering judgment, the Volkswagen Group hereby states that vehicles certified based upon NMHC emissions comply with the applicable formaldehyde emission standards.

***High Altitude Evaporative/Refueling Emissions Compliance Statement***

In accordance with 40 CFR 86.1829-01 (b) (2) (ii) (B), the Volkswagen Group hereby certifies that, based upon engineering evaluation and high altitude evaporative/refueling tests conducted on similar vehicles, all vehicles of this test group comply with the high altitude evaporative/refueling emissions requirements.

***Spitback Compliance Statement***

In accordance 40 CFR 86.1829-15 (e) (5) the Volkswagen Group hereby certifies that the vehicle inherently meets the Fuel Dispensing Spitback Standard as part of compliance with the refueling emission standard. This certification applies to the full useful life of the vehicle. Testing is therefore not required.

***Evaporative Leak Test Compliance Statement***

In accordance with 40 CFR 86.1829-15 (e) (4), the Volkswagen Group hereby certifies that, based upon engineering evaluation all vehicles in the evaporative/refueling emission family comply with the evaporative emission standard outlined in 40 CFR 86.1813-17 (a) (4).

***Driver-Selectable modes Compliance Statement***

In accordance with EPA Guidance Letter CISC-09-19, all driver-selectable transmission drive modes are deemed to comply with emission standards.

## **9.0     OBD System Description**

### **9.1       Summary Table**

Refer to Section 16 (included in OBD II A – P application)

### **9.2       California Air Resources Board OBD System Approval Letter.**

Refer to Section 16

**10. Description of Alternate Fueled Vehicles**

Not applicable

## **11. Auxiliary Emission Control Devices (AECD) Descriptions**

Refer to Section 16.2 of this Application

12.0 List of Certified Vehicles

|                          |                                            |
|--------------------------|--------------------------------------------|
| Durability Group         | VVGAGPGNNLTA                               |
| Test Group               | VVGAT04.0LTA                               |
| Evap Family              | VVGAR0176LCS                               |
| Emission Control System: | DFI / 2CAC / 2TC / 2WR-HO2S / 2TWC / 2HO2S |
|                          |                                            |

|                      |           |
|----------------------|-----------|
| Engine Displacement: | 4.0 l     |
| Valves per Cylinder: | V8        |
| Sales Area:          | 50 states |
| MMS:                 | MG1       |
| SIL:                 | N/A       |

| Engine Code | Model   | Vehicle Class | Engine Code Characteristics |                   |            | HP @RPM   | Torque @RPM [lb-ft]   | Trans. / OD | ETW  | Curb Weight [lbs] | GVWR [lbs] | Fuel Tank Capacity [Gal] | Canister working capacity [g] | Tire size                                                      | N/V Ratio    | Start/ Stop [Y/N] |
|-------------|---------|---------------|-----------------------------|-------------------|------------|-----------|-----------------------|-------------|------|-------------------|------------|--------------------------|-------------------------------|----------------------------------------------------------------|--------------|-------------------|
|             |         |               | Cat. Code                   | Compression ratio | Idle [rpm] |           |                       |             |      |                   |            |                          |                               |                                                                |              |                   |
| DWHE        | Urus SE | LDT           | JM842                       | 9.7               | 550        | 611 @6000 | 590 lb-ft @ 2250-4500 | 8           | 6000 | 5831              | 7022       | 20.9                     | 176                           | F:285/35ZR23<br>R:325/30ZR23<br>F: 285/40ZR22<br>R: 325/35ZR22 | 21.6<br>21.4 | N                 |

\*1Nm = 0.737561 lbfxft

12.1 Transmissions

| Transmission | Transmission Characteristic |            |             |         |                |        |        |        |        |        |        |        |        |
|--------------|-----------------------------|------------|-------------|---------|----------------|--------|--------|--------|--------|--------|--------|--------|--------|
|              | Drivetrain                  | Gear Count | Lock-Up rpm |         | Gearbox Ratios |        |        |        |        |        |        |        |        |
|              |                             |            | Gear        | min/max | Axle           | Gear 1 | Gear 2 | Gear 3 | Gear 4 | Gear 5 | Gear 6 | Gear 7 | Gear 8 |
| AL956E-8A    | AWD                         | 8          | 1- 8        | n.a.    | 2.953          | 4.714  | 3.143  | 2.106  | 1.667  | 1.285  | 1      | 0.839  | 0.667  |

12.2 Test conditions

| Model   | ETW   | Road Track Coefficients |            |               |        |            |             | TRL50 | TCDT | Fan Pos. | Drive Mode for Testing                                             | Shift Sched. I.D. | J1711 Version Used:<br>(applicable to PHEV only) |
|---------|-------|-------------------------|------------|---------------|--------|------------|-------------|-------|------|----------|--------------------------------------------------------------------|-------------------|--------------------------------------------------|
|         |       | F0                      | F1         | F2            | F0     | F1         | F2          |       |      |          |                                                                    |                   |                                                  |
|         | [lbs] | [lb*f]                  | [lb*f/mph] | [lb*f/(mph)²] | [N]    | [N/(km/h)] | [N/(km/h)²] | [hp]  | [s]  |          |                                                                    |                   |                                                  |
| Urus SE | 6000  | 67.92                   | 0.2416     | 0.03096       | 302.12 | 0.6677     | 0.05317     | 21.0  | 17.9 | 20       | Corsa ricarica for Emission tests<br>EV mode for Consumption tests | AUTOMATIC         | Jun 2010                                         |

**Vehicle Starting procedure:**  
Start engine by turning key to “Start” position or by pushing the Engine “Stop/Start” button.  
The vehicle will show “READY” in the instrument cluster.  
To drive the vehicle the doors must be closed and the seatbelts have to be buckled in.  
Press the brake pedal and move the selector lever into the P or N position.

**ESP/ABS Deactivation procedure**  
Dyno Mode must be activated.  
Refer to Section 16 for Dyno Mode activation procedure.

**Fan Position during dyno testing:**  
FTP / HWY = Road Speed Fan (Modulated)  
US06 = Road Speed Fan (Modulated)

**Automatic Headlight System:**  
Automatic headlight system must be disabled prior to any emissions or fuel economy / range testing. Automatic headlights can be turned off via the infotainment / MMI screen.  
Please contact VWGoA Engineering and Environmental Office if you need assistance with disabling the automatic headlights.

**Daytime Running Lights (DRL):**  
Daytime running lights must be disabled prior to fuel economy / range testing. DRLs can be turned off via the infotainment / MMI screen.  
Please contact VWGoA Engineering and Environmental Office if you need assistance with disabling the daytime running lights.

**SAE Tested Version:**  
Vehicles in this test group were tested according to SAE J1711 ver. 2010

**Climate Control Settings used for testing:**  
22°C + Recirculation + max Fan-Speed + air vent on to driver

## 12.3 e-Motor Details

|                                                                        |                                            |
|------------------------------------------------------------------------|--------------------------------------------|
| <b>Model Name</b>                                                      |                                            |
| <b>Engine Identification Number</b>                                    | <b>Rear: ECTB</b>                          |
| <b>Engine Management System</b>                                        | <b>Rear: KTZ 40 X 56 S 001 -HITACHI</b>    |
| <b>Nominal Voltage</b>                                                 | <b>370V</b>                                |
|                                                                        |                                            |
| <b><u>ECTB (Front Axle)</u></b>                                        |                                            |
| <b>Transmission Arrangement (Parallel / Transaxial / Other)</b>        | <b>N.A.</b>                                |
| <b>Motor Maximum Speed</b>                                             | <b>N.A</b>                                 |
| <b>Gearbox Outlet Shaft (gear engaged)</b>                             | <b>N.A.</b>                                |
| <b>Direct Current (DC) / Alternating Current (AC) number of phases</b> | <b>N.A.</b>                                |
| <b>Maximum Net Torque (at zero speed) acc. to SAE J2907</b>            | <b>N.A.</b>                                |
| <b>Maximum Net Power</b>                                               | <b>N.A.</b>                                |
| <b>Maximum Net Torque</b>                                              | <b>N.A.</b>                                |
| <b>Horsepower</b>                                                      | <b>N.A.</b>                                |
|                                                                        |                                            |
| <b><u>ECTB (Rear Axle)</u></b>                                         |                                            |
| <b>Transmission Arrangement (Parallel / Transaxial / Other)</b>        | <b>COAXIAL</b>                             |
| <b>Motor Maximum Speed</b>                                             | <b>7000 rpm</b>                            |
| <b>Gearbox Outlet Shaft (gear engaged)</b>                             | <b>DIRECT DRIVE</b>                        |
| <b>Direct Current (DC) / Alternating Current (AC) number of phases</b> | <b>ALTERNATING CURRENT (AC) / 3 PHASES</b> |
| <b>Maximum Net Torque (at zero speed) acc. to SAEJ2907</b>             | <b>483 Nm</b>                              |
| <b>Maximum Net Power</b>                                               | <b>141KW @3200 rpm</b>                     |
| <b>Maximum Net Torque</b>                                              | <b>483NM @2788 rpm</b>                     |
| <b>Horsepower</b>                                                      | <b>189HP @3200 rpm</b>                     |
|                                                                        |                                            |
| <b><u>Combined</u></b>                                                 |                                            |
|                                                                        |                                            |
| <b>Maximum Power (Boost)</b>                                           | <b>589 KW @ 6000 rpm</b>                   |
| <b>Maximum Power</b>                                                   | <b>589 KW @ 6000 rpm</b>                   |
| <b>Maximum Power (Boost)</b>                                           | <b>789 HP @ 6000 rpm</b>                   |
| <b>Maximum Torque (Boost)</b>                                          | <b>950 NM @ 1750-5500 rpm</b>              |
| <b>Maximum Torque</b>                                                  | <b>950 NM @ 1750-5500 rpm</b>              |
|                                                                        |                                            |

## 12.4 Battery details

|                                          |                                      |
|------------------------------------------|--------------------------------------|
| <b>Battery Manufacturer</b>              | <b>SAMSUNG SDI<br/>HUNGARY, LTD.</b> |
| <b>Battery Type / Chemistry</b>          | <b>NCA</b>                           |
| <b>Number of Battery Cells</b>           | <b>102</b>                           |
| <b>Cell Design</b>                       | <b>PRISMATIC</b>                     |
| <b>Number of Battery Modules</b>         | <b>NO MODULES</b>                    |
| <b>Battery Cathode</b>                   | <b>NCA</b>                           |
| <b>Battery Anode</b>                     | <b>BLENDING GRAPHITE</b>             |
| <b>Electrolyte Type</b>                  | <b>LIPF6 SALT</b>                    |
| <b>Total Weight of Battery System</b>    | <b>157.8 kg</b>                      |
| <b>Nominal voltage</b>                   | <b>370 V</b>                         |
| <b>Battery Working Voltage</b>           | <b>353.1 – 417.5 V</b>               |
| <b>Total System Energy Capacity (Ah)</b> | <b>Gross: 70 Ah<br/>Net: 66.5 Ah</b> |
| <b>Energy Density (Whr/Kg)</b>           | <b>164.13 Wh/kg</b>                  |
| <b>Battery Thermal Management</b>        | <b>LIQUID</b>                        |

## 12.5 Charging details

### *Charging unit 1 for high-voltage battery*



The charging unit converts the AC current from the charging connection to DC current. There is a 7.2 kW charging unit. The charging unit is in the front of the vehicle under the subframe and can be accessed from above. The wipers and covers must be disassembled to remove the charging unit.

The charging unit itself is water-cooled. The conversion to direct current is performed via electrical isolation.

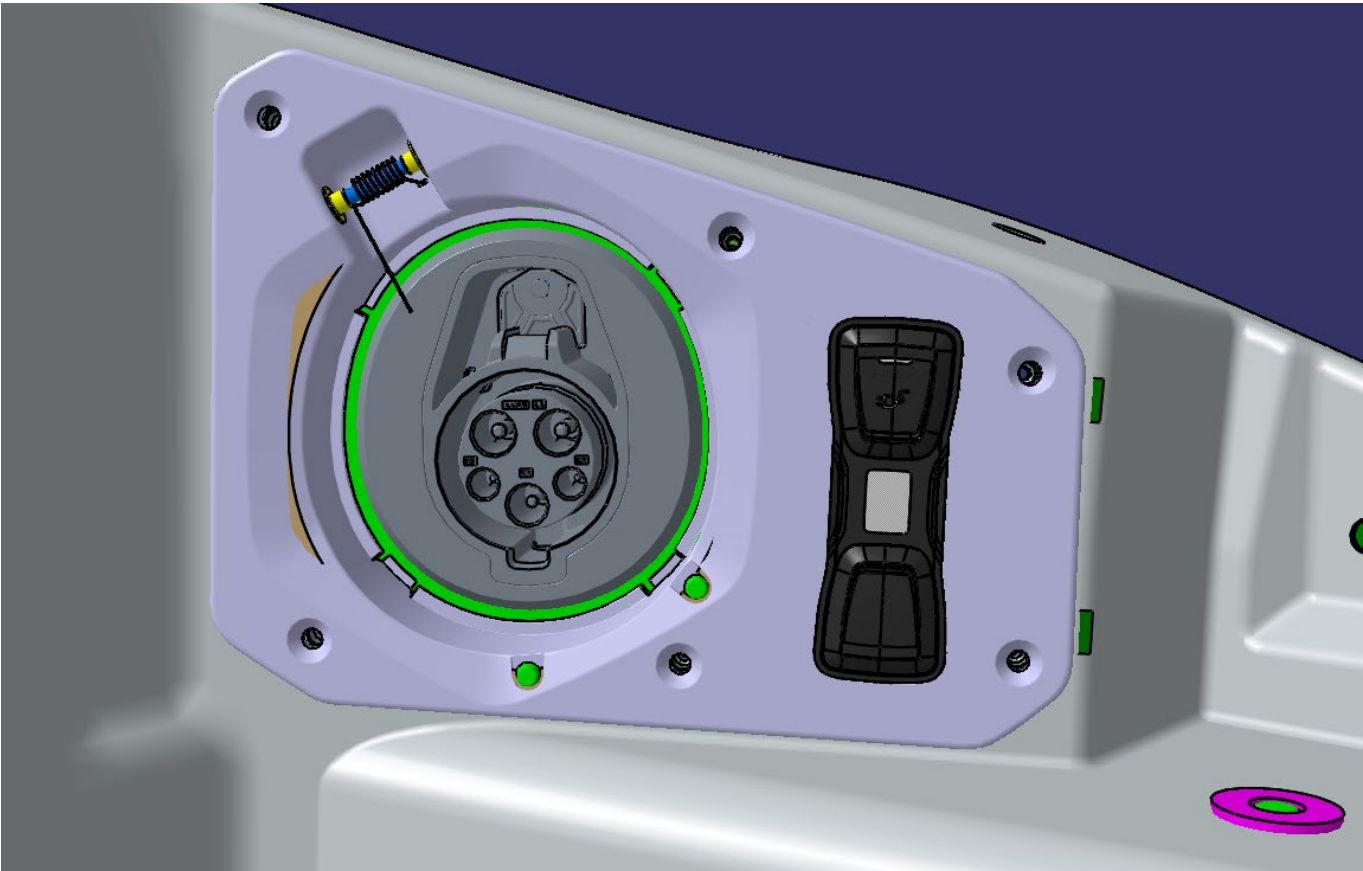
|                        |                        |
|------------------------|------------------------|
| Input                  | 100 V - 240 V          |
|                        | 16 A - 32 A            |
| Output                 | 220 V - 500 V          |
| Phases                 | 1, 2-phase AC charging |
| Max. AC charging power | 7.2 kW                 |
| Efficiency             | 94 %                   |
| Operating range        | -40°C - 85°C           |
| Weight                 | 8 kg                   |

The charging unit is regulated by control unit for high-voltage battery charging unit J1050. It monitors and regulates the charging process.

The following components are connected directly to charging unit 1 for high-voltage battery.

- › Actuator for high-voltage charging flap lock.
- › LED module for charging socket
- › Actuator for high-voltage charging socket lock
- › High-voltage battery charging socket
- › Temperature sender for charging socket
- › Temperature sender 2 for charging socket
- › Temperature sender 3 for charging socket

# High-voltage battery charging socket



## AC

|                        |        |
|------------------------|--------|
| Connector (USA)        | Type 1 |
| Number of phases       | 1      |
| Max. AC charging power | 7.2 kW |

There are different charging sockets for the different regions.

- > China AC is used for AC
- > EU AC is used for AC

## Charging displays

| Light on charging unit |           | Meaning                                                                |
|------------------------|-----------|------------------------------------------------------------------------|
| Green                  | Pulsating | Charging high-voltage battery                                          |
| Yellow                 | Pulsating | Emergency charging mode active. Reduced charging power, fault          |
| Green                  | Lit up    | Charging process completed                                             |
| Red                    | Lit up    | Charging connector not locked, outside temperature too low or too high |

## Manual release mechanism for charging connector



If the charging connector cannot be unplugged from the vehicle charging connection, it must be released manually. To do this, the parking brake must be closed and the vehicle unlocked.



---

**Note**

For detailed information, please refer to the Owner's Manual.

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## **13.0 Test Group Projected Sales**

Refer to Section 16 of this Test Group Application

## **13.1 Compliance Plans**

Refer to Section 16 of the Common Section

## **14.0 Request for Certificate**

### **14.1 Statement of Compliance**

Based on good engineering judgment, the Volkswagen Group states that all the vehicles described in this application for Certification comply with all applicable standards and regulations, incl. the provisions of 40 CFR Parts 85, 86 and 600.

### **14.2. Durability Statement**

Based on the Volkswagen Group's good engineering judgment, all the vehicles described in this Application for Certification comply with all applicable intermediate and full useful life standards

## 15.0 Other Information

## 15.1 Revision Index

[illegible]

## 15.2 Running Change (RC) / Field Fix (FF) Log

Running Change / Field Fix Log for test group only.

Model Year: 2027  
Test Group: VVGAT04.0LTA  
Models: Urus SE  
Evaporative Family: VVGAR0176LCS

[illegible]

### **15.3 ORVR Safety Application for Carry-Over ORVR Systems**

Volkswagen is using standard technology in all MY2027 vehicles ORVR systems. In accordance with EPA Guidance letter CISC-06-06, ORVR application will not be submitted.

Mr. Joshua Kimball  
Compliance and Innovative Strategies Division  
Office of Mobile Sources  
U. S. Environmental Protection Agency  
2000 Traverwood Drive  
Ann Arbor, MI 48105

Anthony D'Ambrosi Name  
Dir, Homologation Title  
EEO - Certification Department  
(248) 754-4396 Phone  
Tony.DAmbrosi@vw.com E-Mail

June 23, 2026 Date

Subject: MY 2027 Volkswagen Group Light Duty Vehicle Initial Application for Emissions  
Certification for Test Group VVGAT04.0LTA with Evaporative Families:  
VVGAR0176LCS.

Dear Mr. Kimball,

We submit, with this letter, the model year 2027 Part 1 Application for Emissions  
Certification for the following Test Group:

| <u>Test Group</u> | <u>Standards</u>                      | <u>Sales Area</u>     |
|-------------------|---------------------------------------|-----------------------|
| VVGAT04.0LTA      | Tier 4 Interim Bin 70<br>LEV3 ULEV 70 | Federal<br>California |

Copies of the Certification Fee filing form and OBD approval letter are contained in  
sections 15 and 16 of the included electronic application.

All vehicles within this test group comply with all applicable regulations contained in  
40 CFR Part 86, Part 1066 and the compliance statements contained in sections 8  
and 14.

This submission constitutes our final application and the request for issuance of a  
Certificate of Conformity.

If you have any questions with regard to this information please contact our office in  
Auburn Hills at (248) 754-4396.

Sincerely,

D'Ambrosi Anthony  
VWPki  
5406C07D40F4331C  
Date: 2026.06.23 13:45:56  
-04'00'

Anthony D'Ambrosi  
Volkswagen Group of America, Inc.  
Engineering and Environmental Office

Enclosure(s)

# US EPA Fee Form

[Help and EPA Instructions](#)

\* Required Field

## General Information

**Date:** 02/23/2026

Process Code \*

Submit New Fee Filing Form

Manufacturer Code \*

VGA

Manufacturer Name \*

Volkswagen Group of America

Contact Name \*

Greg Allen

Contact Email Address \*

Gregory.Allen@vw.com

Contact Phone \*

248-754-4209

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 \*

VVGAT04.0LTA

### 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 ACH

Comments

MY2027 Certification fee for VVGAT04.0LTA  
Pay.gov Tracking ID: 27VRSFMQ  
Agency Tracking ID: 77305124314

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.

Robin Lang, Chief  
Emissions Certification and Compliance Division  
California Air Resources Board  
4001 Iowa Avenue  
Riverside, California 92507

Anthony D'Ambrosi Name  
Dir, Homologation Title  
EEO – Certification Department  
(248) 754-4396 Phone  
Tony.DAmbrosi@vw.com E-Mail  
June 23, 2026 Date

Subject: MY 2027 Volkswagen Group Light Duty Vehicle Initial Application for Emissions  
Certification for Test Group VVGAT04.0LTA with Evaporative Families:  
VVGAR0176LCS.

Dear Ms. Lang,

We submit, with this letter, the model year 2027 Part 1 Application for Emissions  
Certification for the following Test Group:

| <u>Test Group</u> | <u>Standards</u>                      | <u>Sales Area</u>     |
|-------------------|---------------------------------------|-----------------------|
| VVGAT04.0LTA      | Tier 4 Interim Bin 70<br>LEV3 ULEV 70 | Federal<br>California |

This submission constitutes our final application and the request for issuance of the  
Executive Order.

If you have any questions with regard to this information please contact our office in  
Auburn Hills at (248) 754-4396.

Sincerely,

D'Ambrosi Anthony  
VWPKI  
5406C07D40F4331  
C

Digitally signed by  
D'Ambrosi Anthony VWPKI  
5406C07D40F4331C  
Date: 2026.06.23 13:44:53  
-04'00'

Anthony D'Ambrosi  
Volkswagen Group of America, Inc.  
Engineering and Environmental Office

Enclosure(s)

## **California ARB Information**

### **17.1 California Compliance Statements**

#### Production Vehicle same as Test Vehicle Statement

*The production vehicles represented by the particular engine families will be in all material respects of the same design as those for which vehicle approval is granted.*

#### Smog Check Compliance Statement

*Vehicles in this test group meet California's BAR Smog Check requirement in 16 CCR § 3340.42 by having a compliant OBD system (13 CCR § 1968.2) that will satisfy the California BAR-OIS OBD focused test method and the OBD pass-fail criteria in 16 CCR § 3340.42.2(c).*

#### CARB Fill Pipe Bench Leak Rate Compliance Statement

*In accordance with Section VI (Bench Leak Rate Specification) of the Air Resources Board document, "Specifications for fill pipes and openings of 2015 and subsequent model motor vehicle fuel tanks", amended on May 31, 2019, the VW Group hereby attests that, for the leak family(s) stated, the systems meet the specifications in Section VI when tested per the test procedure in section VIII.*

#### Environmental Performance Label Information

*VW Group applies new EPA label in lieu of the CA EP label.*

#### California Emissions Warranty Statement

*Please refer to California Emissions Warranty booklets located in Section 16 of the Common Section.*

#### Adjustable Parameters/Tamper Resistance Statement

*The emission control system contains no devices that contain parameters that are designed, and/or intended, to be physically capable of being adjusted*

### **17.2 Fill Pipe Specifications**

Please refer to the Section 16

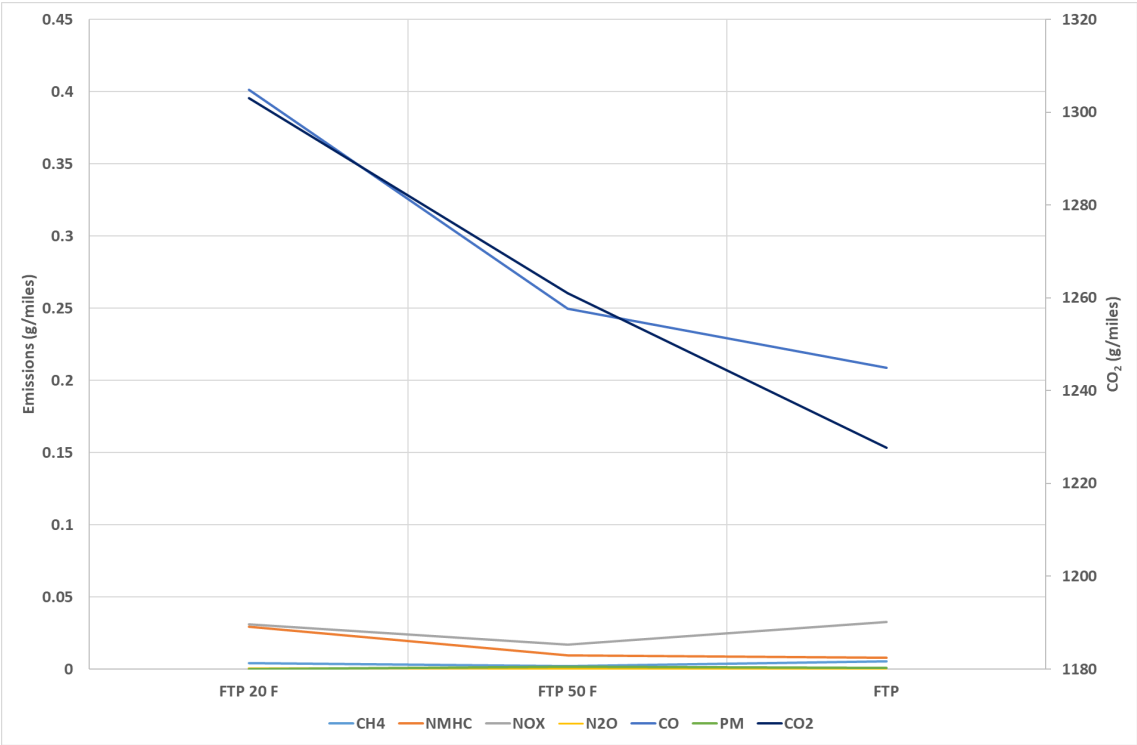
### **17.3 Evaporative Emission Deterioration Program**

Please refer to Common Section Application

### **17.4 Assembly line NMOG / NMHC Factor**

**F<sub>NMOG</sub>:**            Calculated per EPA 40CFR part 1066

17.5 Continuity of Emissions



17.6 Applicable Deterioration Factors

EPA Assigned DF's:

|      | THC<br>(g/mi) | NMHC<br>(g/mi) | NMOG<br>(g/mi) | NOx<br>(g/mi) | CO<br>(g/mi) | HCHO<br>(mg/mi) | PM<br>(g/mi) | NMOG+NOx<br>(g/mi) |
|------|---------------|----------------|----------------|---------------|--------------|-----------------|--------------|--------------------|
| 50k  | -             | -              | -              | -             | 0.24         | -               | -            | -                  |
| 150k | -             | 0.0089         | 0.0098         | 0.007         | 0.24         | 0.0003          | 0.0000       | 0.0168             |

17.7 Recharging Procedures

Please refer to Section 12.5 Charging details

17.8 Climate Control System Description

Please refer to Section 16.7

## **17.9 Battery Specific Energy data and Calculations (C/3 energy capacity)**

Not Applicable

## **17.10 Vehicle and Battery Break-in**

Volkswagen Group PHEVs are operated either on-track or on a mileage accumulation dynamometer for **4,000** miles using the Standard Road Cycle (SRC)

## **17.11 Proper and Safe Operation of the Vehicle**

Please refer to Section 16.4

VWGoA has implemented a nationwide recycling program for the transportation and recycling of lithium ion (li-ion) batteries used to power full battery electric vehicles (BEVs) and plug-in hybrid electric vehicles (PHEVs). The program is available to affiliate dealers.

Additionally, as part of the Alternative Fuel Vehicles Safety Training Program, VW Group vehicles have an extensive list of precautionary / safety related measures that can be found at the links below:

*<https://www.lamborghini.com/en-en/guide-for-emergency-responders>*

## 21.0 Vehicle Emission Control Information Label

|                                                                                   |                    |                                                                        |                       |
|-----------------------------------------------------------------------------------|--------------------|------------------------------------------------------------------------|-----------------------|
|  |                    | Automobili LAMBORGHINI, S.p.A.<br>VEHICLE EMISSION CONTROL INFORMATION |                       |
| Conforms to regulations:                                                          |                    | <u>2027 MY</u>                                                         |                       |
| U.S. EPA:                                                                         | <u>Bin70 LDT4</u>  | OBD: <u>CA II</u>                                                      | Fuel: <u>Gasoline</u> |
| California:                                                                       | <u>ULEV 70 LDT</u> | OBD: <u>CA II</u>                                                      | Fuel: <u>Gasoline</u> |
| No adjustments needed.                                                            |                    | DFI/2CAC/2TC/2WR-<br>HO2S/2TWC/2HO2S                                   |                       |
| Group: VVGAT04.0LTA<br>Evap: VVGAR0176LCS                                         |                    | 4ML010533*                                                             |                       |

## 21.2 Engine Control Module (ECM) Information

| Model   | Engine Code | SW-Part number | Cal ID           | CVN         | Comments |
|---------|-------------|----------------|------------------|-------------|----------|
| Urus SE | DWHE        | 4ML907557H     | 4ML557H 0001CVAB | E6 E4 1F B5 |          |

### 21.2.1 *Clutch control unit (Mode09 Cal-ID + CVN via ECM)*

| Model   | Engine Code | SW-Part number | Cal ID           | CVN         | Comments |
|---------|-------------|----------------|------------------|-------------|----------|
| Urus SE | DWHE        | 0D7.142.057.E  | CCU057E 00370000 | 5A C7 A5 98 |          |

## 21.3 Transmission Control Module (TCM) Information

| Model   | Trans Code | SW-Part number | Cal ID           | CVN         | Comments             |
|---------|------------|----------------|------------------|-------------|----------------------|
| Urus SE | AL952E-8Q  | 4ML927158AC    | 4ML158AC0002U200 | 7E BE EA 1E | Test in Homologation |
| Urus SE | AL952E-8Q  | 4ML927158AC    | 4ML158AC0003U200 | 18 8F 83 39 | Series production    |

## 21.4 Gateway Control Module Information

| Model   | Engine Code | SW-Part number | Cal ID           | CVN         | Comments                   |
|---------|-------------|----------------|------------------|-------------|----------------------------|
| Urus SE | DWHE        | 4KL907468AC    | 4KL468AC00740000 | 82 7C C7 4E | Test in Homologation       |
| Urus SE | DWHE        | 4KL907468AC    | 4KL468AC00740000 | 30 CF 2A 44 | Series production With ACC |
| Urus SE | DWHE        | 4KE907468AC    | 4KE468AC00740000 | AD 66 10 D5 | Series production w/o ACC  |

## **21.5 Battery Energy Control Module (BECM) Information**

| Model   | Engine Code | SW-Part number | Cal ID           | CVN         | Comments             |
|---------|-------------|----------------|------------------|-------------|----------------------|
| Urus SE | DWHE        | 4M0915231AL    | 4M0231ALFD0FD22F | FD 0F D2 2F | Test in Homologation |
| Urus SE | DWHE        | 4M0915231AL    | 4M0231AL13E3EADB | 13 E3 EA DB | Series production    |

### ***21.5.1 Battery Junction Box (Mode09 Cal-ID + CVN via BECM)***

| Model   | Engine Code | SW-Part number | Cal ID           | CVN         | Comments             |
|---------|-------------|----------------|------------------|-------------|----------------------|
| Urus SE | DWHE        | 4M0915249AQ    | 4M0249AQY604BAK0 | 82 09 68 95 | Test in Homologation |
| Urus SE | DWHE        | 4M0915249AR    | 4M0249AR0243BAK0 | 18 89 3F EE | Series production    |

## **21.6 Brake System Control Module Information**

| Model   | Engine Code | SW-Part number | Cal ID           | CVN         | Comments             |
|---------|-------------|----------------|------------------|-------------|----------------------|
| Urus SE | DWHE        | 4ML.907.379    | 4ML379 3734F4A5  | 37 34 F4 A5 | Test in Homologation |
| Urus SE | DWHE        | 4ML.907.379.A  | 4ML379A ACA74193 | ACA74193    | Series production    |

## **21.7 Battery Charger Control Module (BCCM)**

| Model   | Engine Code | SW-Part number | Cal ID           | CVN         | Comments |
|---------|-------------|----------------|------------------|-------------|----------|
| Urus SE | DWHE        | 9Y0915681AM    | 9Y0681AM3325JUBB | 37 7F B5 7F |          |

## **21.8 Drive Motor Control Module 1 (DMCM 1) Information**

| Model   | Engine Code | SW-Part number | Cal ID           | CVN         | Comments |
|---------|-------------|----------------|------------------|-------------|----------|
| Urus SE | DWHE        | 9Y0907080Q     | 9Y0080Q+821DBD22 | 82 1D BD 22 |          |

### **21.11 Thermo-Management Control Module (VTCM) Information**

| Model   | Engine Code | SW-Part number | Cal ID           | CVN         | Comments             |
|---------|-------------|----------------|------------------|-------------|----------------------|
| Urus SE | DWHE        | 4M0965429BK    | 4M0429BKFJSF2255 | E5 08 1C 96 | Test in Homologation |
| Urus SE | DWHE        | 4M0965429BL    | 4M0429BLFJWC2255 | FC299A2A    | Series production    |

### **21.12 Electric AC Compressor (EKK) (Slave of VTCM) Information**

| Model   | Engine Code | SW-Part number | Cal ID           | CVN         | Comments |
|---------|-------------|----------------|------------------|-------------|----------|
| Urus SE | DWHE        | 4G0816797G     | 4G0797G 00190015 | BC 24 D4 8F |          |
|         |             |                |                  |             |          |

### **21.13 DC/DC Converter Information**

| Model   | Engine Code | SW-Part number | Cal ID           | CVN         | Comments |
|---------|-------------|----------------|------------------|-------------|----------|
| Urus SE | DWHE        | 4M0907171E     | 4M0171E+0011ACH0 | 39 B0 BB D0 |          |