

## Certification Summary Information Report

|                                   |                                   |                                     |                        |
|-----------------------------------|-----------------------------------|-------------------------------------|------------------------|
| <b>Manufacturer</b>               | Volkswagen Group of America, Inc. | <b>Manufacturer Code</b>            | VGA                    |
| <b>Test Group</b>                 | VVGAJ02.0V3G                      | <b>Evaporative/Refueling Family</b> | VVGAR0157VEP           |
| <b>Certificate Number</b>         | VVGAJ02.0V3G-015-R01              | <b>CARB Executive Order #</b>       | --                     |
| <b>Certificate Issue Date</b>     | 06/12/2026                        | <b>Certificate Revision Date</b>    | 07/24/2026             |
| <b>Certificate Effective Date</b> | 06/12/2026                        | <b>Conditional Certificate</b>      | No                     |
| <b>CSI Revision #</b>             | --                                | <b>CSI Submission/Revision Date</b> | 07/09/2026 03:15:50 PM |
| <b>Model Year</b>                 | 2027                              |                                     |                        |

  
**Test Group Information**

|                          |                       |                                        |    |
|--------------------------|-----------------------|----------------------------------------|----|
| <b>CSI Type</b>          | Update for Correction | <b>Running Change Reference Number</b> | -- |
| <b>GHG Exempt Status</b> | Not Exempt            |                                        |    |

  
**Drive Sources and Fuel(s)**

**Drive Source #1:** Combustion Engine

| Fuel     | Basic Fuel Metering System           | Lean Burn Strategy Indicator |
|----------|--------------------------------------|------------------------------|
| Gasoline | Spark Ignition Direct fuel injection | No                           |

  

|                                                     |                                   |                                                            |              |
|-----------------------------------------------------|-----------------------------------|------------------------------------------------------------|--------------|
| <b>Hybrid Indicator</b>                             | No                                |                                                            |              |
| <b>Multiple Fuel Storage</b>                        | --                                | <b>Rechargeable Energy Storage System Indicator</b>        | --           |
| <b>Multiple Fuel Combustion</b>                     | --                                | <b>Off-board Charge Capable Indicator</b>                  | --           |
| <b>Fuel Cell Indicator</b>                          | --                                | <b>EPA Vehicle Class</b>                                   | LDT2         |
| <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>                        | VVGAGPGNNV3G                      | <b>Durability Group Equivalency Factor</b>                 | 2.2          |
| <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>              | 08/10/2026                        | <b>CAP2000 Conditional Certificate?</b>                    | No           |
| <b>Independent Commercial Importer?</b>             | No                                | <b>Alternative Fuel Converter Certificate?</b>             | No           |
| <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>                | VVGAJ02.0V3T |
| <b>Test Group OBD Compliance Level</b>              | Full - no deficiencies            | <b>Number of Test Group OBD Deficiencies</b>               | 0            |
| <b>OBD Deficiencies Comments</b>                    | CARB OBD Approval Ref #: E-26-113 |                                                            |              |
| <b>Mfr Test Group Comments</b>                      | --                                |                                                            |              |
| <b>Mfr Exhaust / Evap Standards Comments</b>        | --                                |                                                            |              |

## Certification Summary Information Report

|                                                                             |                                                  |                                                           |                                     |                     |                     |                     |                       |
|-----------------------------------------------------------------------------|--------------------------------------------------|-----------------------------------------------------------|-------------------------------------|---------------------|---------------------|---------------------|-----------------------|
| <b>Test Group</b>                                                           | VVGAJ02.0V3G                                     | <b>Evaporative/Refueling Family</b>                       | VVGAR0157VEP                        |                     |                     |                     |                       |
| <b>Evaporative/Refueling Family Information</b>                             |                                                  |                                                           |                                     |                     |                     |                     |                       |
| <b>Evaporative Summary Information Type</b>                                 | New                                              | <b>Submission/Correction Date</b>                         | 05/26/2026 02:26:30 PM              |                     |                     |                     |                       |
| <b>Integrated ORVR?</b>                                                     | Yes                                              | <b>Fuel(s)</b>                                            | Gasoline                            |                     |                     |                     |                       |
| <b>Multiple Fuel Storage</b>                                                | --                                               |                                                           |                                     |                     |                     |                     |                       |
| <b>Bladder Fuel Tank?</b>                                                   | No                                               |                                                           |                                     |                     |                     |                     |                       |
| <b>Fuel Tank Material</b>                                                   | Plastic                                          | <b>Fuel Tank Material Description</b>                     | HDPE                                |                     |                     |                     |                       |
| <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> | 157                                              | <b>Number of Primary Canisters</b>                        | 1                                   |                     |                     |                     |                       |
| <b>Number of Bleed Canisters</b>                                            | 2                                                | <b>Bleed Canister Total Working Capacity (grams)</b>      | 4                                   |                     |                     |                     |                       |
| <b>Mfr Evaporative/Refueling Family Comments</b>                            | MY27 Tiguan PC1/PC2   Electric Purge Air Pump    |                                                           |                                     |                     |                     |                     |                       |
| <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>      |                     |                     |                     |                       |
| VVGAR0157VEP-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.                                           | 1 - Volkswagen                                   | 173 - Tiguan SEL 4Motion                                  | Federal                             | All Wheel Drive     | Semi-Automatic      | 8                   | Yes                   |
| Volkswagen Group of America, Inc.                                           | 1 - Volkswagen                                   | 173 - Tiguan SEL 4Motion                                  | California + CAA Section 177 states | All Wheel Drive     | Semi-Automatic      | 8                   | Yes                   |
| Volkswagen Group of America, Inc.                                           | 1 - Volkswagen                                   | 175 - Tiguan 4Motion                                      | Federal                             | All Wheel Drive     | Semi-Automatic      | 8                   | Yes                   |
| Volkswagen Group of America, Inc.                                           | 1 - Volkswagen                                   | 175 - Tiguan 4Motion                                      | California + CAA Section 177 states | All Wheel Drive     | Semi-Automatic      | 8                   | Yes                   |
| <b>Engine Description</b>                                                   |                                                  |                                                           |                                     |                     |                     |                     |                       |
| <b>Hybrid Type</b>                                                          | --                                               | <b>Hybrid Description</b>                                 | --                                  |                     |                     |                     |                       |
| <b>Engine Type</b>                                                          | 4-Stroke Spark Ignition                          | <b>Mfr Engine Description</b>                             | --                                  |                     |                     |                     |                       |
| <b>Engine Block Arrangement</b>                                             | Inline                                           | <b>Mfr Engine Block Arrangement Description</b>           | --                                  |                     |                     |                     |                       |
| <b>Camless Valvetrain Indicator</b>                                         | No                                               | <b>Oil Viscosity/Classification</b>                       | 0W20 VW50800                        |                     |                     |                     |                       |
| <b>Number of Cylinders/Rotors</b>                                           | 4                                                | <b>Mechanically Variable Compression Ratio Indicator</b>  | N                                   |                     |                     |                     |                       |

## Certification Summary Information Report

|                                                  |                             |                                                         |                           |
|--------------------------------------------------|-----------------------------|---------------------------------------------------------|---------------------------|
| <b>Test Group</b>                                | VVG AJ02.0V3G               | <b>Evaporative/Refueling Family</b>                     | VVGAR0157VEP              |
| <b>After Treatment Device(s) (ATD)</b>           |                             |                                                         |                           |
| <b>ATD Number</b>                                | <b>ATD Type</b>             | <b>ATD Precious Metal</b>                               | <b>Substrate Material</b> |
| 1                                                | Three-way catalyst          | Palladium + Rhodium                                     | Ceramic                   |
| 2                                                | Other                       | Gasoline particulate filter                             | Ceramic                   |
| 3                                                | Three-way catalyst          | Platinum + Rhodium                                      | Ceramic                   |
| <b>Substrate Construction</b>                    |                             |                                                         |                           |
| Monolith                                         |                             |                                                         |                           |
| <b>Mfr After Treatment Device (ATD) Comments</b> |                             |                                                         |                           |
| Applied to Engine Code DYKA / DYLA               |                             |                                                         |                           |
| <b>Direct Ozone Reduction (DOR) Device</b>       |                             |                                                         |                           |
| Not Equipped                                     |                             |                                                         |                           |
| <b>Mfr Emission Control Device Comments</b>      |                             |                                                         |                           |
| CAC/DFI/AIR/TC/WR-HO2S/TWC(2)/GPF/HO2S           |                             |                                                         |                           |
| <b>Engine Configuration Number 1</b>             |                             |                                                         |                           |
| <b>Engine Displacement (liters)</b>              | 2.0                         | <b>Engine Rated Horsepower</b>                          | 268                       |
| <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>                 | 1                         |
| <b>Air Aspiration Device Configuration</b>       | Single                      | <b>Charge Air Cooler Type</b>                           | Liquid                    |
| <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>  | Hydraulic/Hydraulic         |                                                         |                           |
| <b>Variable Valve Lift?</b>                      | No                          |                                                         |                           |
| <b>Variable Valve Lift System Description</b>    | --                          |                                                         |                           |
| <b>Number of Knock Sensors</b>                   | 1                           | <b>Number of Air/Fuel Sensors</b>                       | 2                         |
| <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>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>          | Yes                         |                                                         |                           |
| <b>Air Injection Type</b>                        | Secondary Air Injection     | <b>Air Injection Type if 'Other'</b>                    | --                        |
| <b>Mfr Engine Configuration Comments</b>         | DYKA var: 0 for SEL 4Motion |                                                         |                           |

## Certification Summary Information Report

| Test Group                               |  | VVGAJ02.0V3G            |  |              | Evaporative/Refueling Family                     |              |  | VVGAR0157VEP |  |              |  |                       |                           |                          |                              |                       |  |       |  |    |  |
|------------------------------------------|--|-------------------------|--|--------------|--------------------------------------------------|--------------|--|--------------|--|--------------|--|-----------------------|---------------------------|--------------------------|------------------------------|-----------------------|--|-------|--|----|--|
| Engine Configuration Number 2            |  |                         |  |              |                                                  |              |  |              |  |              |  |                       |                           |                          |                              |                       |  |       |  |    |  |
| Engine Displacement (liters)             |  | 2.0                     |  |              | Engine Rated Horsepower                          |              |  | 201          |  |              |  |                       |                           |                          |                              |                       |  |       |  |    |  |
| Number of Inlet Valves Per Cylinder      |  | 2                       |  |              | Number of Exhaust Valves Per Cylinder            |              |  | 2            |  |              |  |                       |                           |                          |                              |                       |  |       |  |    |  |
| Air Aspiration Method                    |  | Turbocharged            |  |              | Number of Air Aspiration Devices                 |              |  | 1            |  |              |  |                       |                           |                          |                              |                       |  |       |  |    |  |
| Air Aspiration Device Configuration      |  | Single                  |  |              | Charge Air Cooler Type                           |              |  | Liquid       |  |              |  |                       |                           |                          |                              |                       |  |       |  |    |  |
| Air Aspiration Drive Method(s)           |  | Mechanical              |  |              |                                                  |              |  |              |  |              |  |                       |                           |                          |                              |                       |  |       |  |    |  |
| Cylinder Deactivation                    |  | No                      |  |              |                                                  |              |  |              |  |              |  |                       |                           |                          |                              |                       |  |       |  |    |  |
| Cylinder Deactivation Description        |  | --                      |  |              |                                                  |              |  |              |  |              |  |                       |                           |                          |                              |                       |  |       |  |    |  |
| Variable Valve Timing                    |  | Yes                     |  |              |                                                  |              |  |              |  |              |  |                       |                           |                          |                              |                       |  |       |  |    |  |
| Variable Valve Timing System Description |  | Hydraulic/Hydraulic     |  |              |                                                  |              |  |              |  |              |  |                       |                           |                          |                              |                       |  |       |  |    |  |
| Variable Valve Lift?                     |  | No                      |  |              |                                                  |              |  |              |  |              |  |                       |                           |                          |                              |                       |  |       |  |    |  |
| Variable Valve Lift System Description   |  | --                      |  |              |                                                  |              |  |              |  |              |  |                       |                           |                          |                              |                       |  |       |  |    |  |
| Number of Knock Sensors                  |  | 1                       |  |              | Number of Air/Fuel Sensors                       |              |  | 2            |  |              |  |                       |                           |                          |                              |                       |  |       |  |    |  |
| Air/Fuel Sensor # 1 Type                 |  | Heated oxygen           |  |              | Air/Fuel Sensor # 1 Description                  |              |  | --           |  |              |  |                       |                           |                          |                              |                       |  |       |  |    |  |
| Air/Fuel Sensor # 2 Type                 |  | Heated oxygen           |  |              | Air/Fuel Sensor # 2 Description                  |              |  | --           |  |              |  |                       |                           |                          |                              |                       |  |       |  |    |  |
| Mfr Air/Fuel Sensor Comments             |  | --                      |  |              |                                                  |              |  |              |  |              |  |                       |                           |                          |                              |                       |  |       |  |    |  |
| Exhaust Gas Recirculation                |  | No                      |  |              | Cooled Exhaust Gas Recirculation                 |              |  | No           |  |              |  |                       |                           |                          |                              |                       |  |       |  |    |  |
| EGR Type                                 |  | --                      |  |              | Exhaust Gas Recirculation Description if 'Other' |              |  | --           |  |              |  |                       |                           |                          |                              |                       |  |       |  |    |  |
| Closed Loop Air Injection System         |  | Yes                     |  |              |                                                  |              |  |              |  |              |  |                       |                           |                          |                              |                       |  |       |  |    |  |
| Air Injection Type                       |  | Secondary Air Injection |  |              | Air Injection Type if 'Other'                    |              |  | --           |  |              |  |                       |                           |                          |                              |                       |  |       |  |    |  |
| Mfr Engine Configuration Comments        |  | DYLA var: 0 for 4Motion |  |              |                                                  |              |  |              |  |              |  |                       |                           |                          |                              |                       |  |       |  |    |  |
| Official Test Numbers                    |  |                         |  |              |                                                  |              |  |              |  |              |  |                       |                           |                          |                              |                       |  |       |  |    |  |
| Test Group                               |  | 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 |  |       |  |    |  |
| Gasoline                                 |  | TVGA10091273            |  | TVGA10091279 |                                                  | TVGA10091277 |  | TVGA10091275 |  | TVGA10091274 |  | 22.4                  |                           | 228.2                    |                              | 37.4                  |  | 286.1 |  | -- |  |

## Certification Summary Information Report

| Test Group                                   | VVGAJ02.0V3G                                                                                                                                                                                                    | Evaporative/Refueling Family                   | VVGAR0157VEP    |      |   |                   |          |  |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-----------------|------|---|-------------------|----------|--|
| <b>Emission Data Vehicle Information</b>     |                                                                                                                                                                                                                 |                                                |                 |      |   |                   |          |  |
| Vehicle ID / Configuration                   | VW336350654 / 0                                                                                                                                                                                                 | Manufacturer Vehicle Configuration Number      | 0               |      |   |                   |          |  |
| Original Test Group Name                     | SVGAJ02.0V3G                                                                                                                                                                                                    | Original Evaporative/Refueling Family          | SVGAR0157VEP    |      |   |                   |          |  |
| Original Test Vehicle Model Year             | 2025                                                                                                                                                                                                            |                                                |                 |      |   |                   |          |  |
| <b>Vehicle Model</b>                         |                                                                                                                                                                                                                 |                                                |                 |      |   |                   |          |  |
| Represented Test Vehicle Make                | Volkswagen                                                                                                                                                                                                      | Represented Test Vehicle Model                 | Tiguan 4Motion  |      |   |                   |          |  |
| <b>Leak Family Details</b>                   |                                                                                                                                                                                                                 |                                                |                 |      |   |                   |          |  |
| Leak Family Identifier                       | --                                                                                                                                                                                                              | Leak Family Name                               | --              |      |   |                   |          |  |
| <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>Combustion Engine</td> <td>Gasoline</td> </tr> </tbody> </table> | Drive Source and Fuel#                         | Drive Source    | Fuel | 1 | Combustion Engine | Gasoline |  |
| Drive Source and Fuel#                       | Drive Source                                                                                                                                                                                                    | Fuel                                           |                 |      |   |                   |          |  |
| 1                                            | Combustion Engine                                                                                                                                                                                               | Gasoline                                       |                 |      |   |                   |          |  |
| Hybrid Indicator                             | No                                                                                                                                                                                                              |                                                |                 |      |   |                   |          |  |
| Multiple Fuel Storage                        | --                                                                                                                                                                                                              | Multiple Fuel Combustion                       | --              |      |   |                   |          |  |
| Fuel Cell Indicator                          | --                                                                                                                                                                                                              | Rechargeable Energy Storage System Indicator   | --              |      |   |                   |          |  |
| Rechargeable Energy Storage System           | --                                                                                                                                                                                                              | Rechargeable Energy Storage System, if 'Other' | --              |      |   |                   |          |  |
| Off-board charge Capable Indicator           | --                                                                                                                                                                                                              |                                                |                 |      |   |                   |          |  |
| Odometer Correction -- Initial               | 0                                                                                                                                                                                                               | Odometer Correction Factor                     | 1               |      |   |                   |          |  |
| Odometer Correction Sign                     | + = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles                                                                                                                 |                                                |                 |      |   |                   |          |  |
| Odometer Correction Units                    | Miles                                                                                                                                                                                                           |                                                |                 |      |   |                   |          |  |
| Engine Code                                  | DYLA                                                                                                                                                                                                            | Rated Horsepower                               | 201             |      |   |                   |          |  |
| Displacement (liters)                        | 2                                                                                                                                                                                                               |                                                |                 |      |   |                   |          |  |
| Air Aspiration Method                        | Turbocharged                                                                                                                                                                                                    | Air Aspiration Method, if 'Other'              |                 |      |   |                   |          |  |
| Number of Air Aspiration Devices             | 1                                                                                                                                                                                                               | Air Aspiration Device Configuration            | Single          |      |   |                   |          |  |
| Charge Air Cooler Type                       | Liquid                                                                                                                                                                                                          | Drive Mode While Testing                       | All Wheel Drive |      |   |                   |          |  |
| Shift Indicator Light Usage                  | Not equipped                                                                                                                                                                                                    | Aged Emission Components                       | 4,000 (mi)      |      |   |                   |          |  |
| Curb Weight (lbs)                            | 3937                                                                                                                                                                                                            | Equivalent Test Weight (pounds)                | 4250            |      |   |                   |          |  |
| GVWR (lbs)                                   | 5115                                                                                                                                                                                                            | N/V Ratio                                      | 26.7            |      |   |                   |          |  |
| Axle Ratio                                   | 3.32                                                                                                                                                                                                            |                                                |                 |      |   |                   |          |  |
| Transmission Type                            | Semi-Automatic                                                                                                                                                                                                  | # of Transmission Gears                        | 8               |      |   |                   |          |  |
| Transmission Lockup                          | Yes                                                                                                                                                                                                             | Creep Gear                                     | No              |      |   |                   |          |  |

## Certification Summary Information Report

|                   |              |                                     |              |
|-------------------|--------------|-------------------------------------|--------------|
| <b>Test Group</b> | VVGAJ02.0V3G | <b>Evaporative/Refueling Family</b> | VVGAR0157VEP |
|-------------------|--------------|-------------------------------------|--------------|

  

**Dynamometer Coefficients:**

| Coefficient Category | Target Coefficients |             |                | Set Coefficients |             |                | EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients |
|----------------------|---------------------|-------------|----------------|------------------|-------------|----------------|-------------------------------------------------------------------------------|
|                      | A (lbf)             | B (lbf/mph) | C (lbf/mph**2) | A (lbf)          | B (lbf/mph) | C (lbf/mph**2) |                                                                               |
| City/Highway/Evap    | 29.67               | 0.3834      | 0.02296        | 2.86             | 0.0481      | 0.02451        | 14.2                                                                          |
| Cold CO              | 32.64               | 0.4218      | 0.02526        | -26.93           | 0.1042      | 0.02492        | N/A                                                                           |
| US06                 | 29.67               | 0.3834      | 0.02296        | 2.86             | 0.0481      | 0.02451        | N/A                                                                           |

  

|                                           |                                        |
|-------------------------------------------|----------------------------------------|
| <b>Emission Control Device Comments</b>   | CAC/DFI/AIR/TC/WR-HO2S/TWC(2)/GPF/HO2S |
| <b>Manufacturer Test Vehicle Comments</b> | Tiguan 4Motion EVAP EDV - ETW 4250     |

  

|                                                |                                            |                                       |                                                    |
|------------------------------------------------|--------------------------------------------|---------------------------------------|----------------------------------------------------|
| <b>Test #</b>                                  | <b>SVGA10088731</b>                        | <b>Test Procedure</b>                 | <b>23 - 2-day evap</b>                             |
| <b>Exhaust Test # for this Evap Test</b>       | SVGA10088728                               | <b>Test Fuel Type</b>                 | 48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.) |
| <b>Test Date</b>                               | 11/06/2024                                 | <b>Fuel</b>                           | Gasoline                                           |
| <b>Fuel Batch ID</b>                           | WB0027                                     | <b>Fuel Calibration Number</b>        | 1                                                  |
| <b>Vehicle Class</b>                           | N/A                                        | <b>DF Type</b>                        | Mfr. Determined                                    |
| <b>Verify Test Lab ID</b>                      | Volkswagen AG WOB2                         |                                       |                                                    |
| <b>E10 Evaporative Test Measurement Method</b> | Calculated (1.08 x FID Total Hydrocarbons) |                                       |                                                    |
| <b>Test Start Odometer Reading</b>             | 4453                                       | <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) |
|-----------------------------------------------------------|-----------------------|----------------------------------------------------------|
| HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only) | 0.205                 | --                                                       |

  

|                                   |                                                                    |
|-----------------------------------|--------------------------------------------------------------------|
| <b>Manufacturer Test Comments</b> | MY25 Tiguan Evap EDV: 2-Day Evap tested as Tiguan 4Motion ETW 4250 |
|-----------------------------------|--------------------------------------------------------------------|

  

| 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 | 0.205          | 0.0512 | 0.256               | 0.3      | Pass      |
| CA                   | 150,000 miles | California LEV-IV Zero Evap (Option 2) | HC-TOTAL-EQUIV | 0.205          | 0.0512 | 0.256               | 0.3      | Pass      |

## Certification Summary Information Report

|                                                |                                            |                                       |                                                    |
|------------------------------------------------|--------------------------------------------|---------------------------------------|----------------------------------------------------|
| <b>Test Group</b>                              | VVGAJ02.0V3G                               | <b>Evaporative/Refueling Family</b>   | VVGAR0157VEP                                       |
| <b>Test #</b>                                  | <b>SVGA10088732</b>                        | <b>Test Procedure</b>                 | <b>34 - Federal fuel 3-day evap</b>                |
| <b>Exhaust Test # for this Evap Test</b>       | SVGA10088729                               | <b>Test Fuel Type</b>                 | 48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.) |
| <b>Test Date</b>                               | 11/21/2024                                 | <b>Fuel</b>                           | Gasoline                                           |
| <b>Fuel Batch ID</b>                           | WB0029                                     | <b>Fuel Calibration Number</b>        | 1                                                  |
| <b>Vehicle Class</b>                           | N/A                                        | <b>DF Type</b>                        | Mfr. Determined                                    |
| <b>Verify Test Lab ID</b>                      | Volkswagen AG WOB2                         |                                       |                                                    |
| <b>E10 Evaporative Test Measurement Method</b> | Calculated (1.08 x FID Total Hydrocarbons) |                                       |                                                    |
| <b>Test Start Odometer Reading</b>             | 4515                                       | <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) |
|------------------------------------------------------------------|-----------------------|----------------------------------------------------------|
| <b>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</b> | 0.195                 | --                                                       |

## Manufacturer Test Comments

MY25 Tiguan Evap EDV: 3-Day Evap tested as Tiguan 4Motion ETW 4250

| 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 | 0.195          | 0      | 0.195               | 0.3      | Pass      |
| CA                   | 150,000 miles | California LEV-IV Zero Evap (Option 2) | HC-TOTAL-EQUIV | 0.195          | 0      | 0.195               | 0.3      | Pass      |

|                                         |                                            |                                |                                                    |
|-----------------------------------------|--------------------------------------------|--------------------------------|----------------------------------------------------|
| Test Group                              | VVGAJ02.0V3G                               | Evaporative/Refueling Family   | VVGAR0157VEP                                       |
| Test #                                  | SVGA10088733                               | Test Procedure                 | 32 - Federal Fuel Running Loss                     |
| Exhaust Test # for this Evap Test       | SVGA10088729                               | Test Fuel Type                 | 48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.) |
| Test Date                               | 11/21/2024                                 | Fuel                           | Gasoline                                           |
| Fuel Batch ID                           | WB0029                                     | Fuel Calibration Number        | 1                                                  |
| Vehicle Class                           | N/A                                        | DF Type                        | Mfr. Determined                                    |
| Verify Test Lab ID                      | Volkswagen AG WOB2                         |                                |                                                    |
| E10 Evaporative Test Measurement Method | Calculated (1.08 x FID Total Hydrocarbons) |                                |                                                    |
| Test Start Odometer Reading             | 4515                                       | Odometer Units                 | M                                                  |
| 4WD Test Dyno                           | Yes                                        | Diesel Adjustment Factor Usage | --                                                 |
| State of Charge Delta                   | --                                         |                                |                                                    |
| Drive Cycle Speed Tolerance Criteria    | Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)  | Road Speed Fan Usage           | Yes                                                |

Test Results

| Test Result Name                                          | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |
|-----------------------------------------------------------|-----------------------|----------------------------------------------------------|
| HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only) | 0.003                 | --                                                       |

Manufacturer Test CommentsMY25 Tiguan Evap EDV: Running Loss Evap tested as Tiguan 4Motion ETW 4250

| 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 | 0.003          | 0      | 0                   | 0.05     | Pass      |
| CA                   | 150,000 miles | California LEV-IV Zero Evap (Option 2) | HC-TOTAL-EQUIV | 0.003          | 0      | 0                   | 0.05     | Pass      |



## Certification Summary Information Report

| <b>Test Group</b>                                                                                                                                                                                                                                                          | VVG AJ02.0V3G                                                     | <b>Evaporative/Refueling Family</b>                      | VVG AR0157VEP                                      |                       |                       |                                                          |                                                           |                  |    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------|-----------------------|-----------------------|----------------------------------------------------------|-----------------------------------------------------------|------------------|----|
| <b>Test #</b>                                                                                                                                                                                                                                                              | <b>SVGA10088734</b>                                               | <b>Test Procedure</b>                                    | <b>24 - Federal fuel refueling test (ORVR)</b>     |                       |                       |                                                          |                                                           |                  |    |
| <b>Exhaust Test # for this Evap Test</b>                                                                                                                                                                                                                                   | SVGA10088730                                                      | <b>Test Fuel Type</b>                                    | 48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.) |                       |                       |                                                          |                                                           |                  |    |
| <b>Test Date</b>                                                                                                                                                                                                                                                           | 11/28/2024                                                        | <b>Fuel</b>                                              | Gasoline                                           |                       |                       |                                                          |                                                           |                  |    |
| <b>Fuel Batch ID</b>                                                                                                                                                                                                                                                       | WB0029                                                            | <b>Fuel Calibration Number</b>                           | 1                                                  |                       |                       |                                                          |                                                           |                  |    |
| <b>Vehicle Class</b>                                                                                                                                                                                                                                                       | N/A                                                               | <b>DF Type</b>                                           | Mfr. Determined                                    |                       |                       |                                                          |                                                           |                  |    |
| <b>Verify Test Lab ID</b>                                                                                                                                                                                                                                                  | Volkswagen AG WOB2                                                |                                                          |                                                    |                       |                       |                                                          |                                                           |                  |    |
| <b>E10 Evaporative Test Measurement Method</b>                                                                                                                                                                                                                             | Actual Total Hydrocarbon Equivalent Measurement (with speciation) |                                                          |                                                    |                       |                       |                                                          |                                                           |                  |    |
| <b>Test Start Odometer Reading</b>                                                                                                                                                                                                                                         | 4551                                                              | <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                                                |                       |                       |                                                          |                                                           |                  |    |
| <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>0.017</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) | 0.017            | -- |
| Test Result Name                                                                                                                                                                                                                                                           | Unrounded Test Result                                             | Verify Calculated FE Equivalent Value (miles per gallon) |                                                    |                       |                       |                                                          |                                                           |                  |    |
| HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)                                                                                                                                                                                                                  | 0.017                                                             | --                                                       |                                                    |                       |                       |                                                          |                                                           |                  |    |
| <b>Manufacturer Test Comments</b>                                                                                                                                                                                                                                          |                                                                   |                                                          |                                                    |                       |                       |                                                          |                                                           |                  |    |
| MY25 Tiguan Evap EDV: ORVR Evap tested as Tiguan 4Motion ETW 4250                                                                                                                                                                                                          |                                                                   |                                                          |                                                    |                       |                       |                                                          |                                                           |                  |    |
| <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                                     | 0.017                 | 0.009                 | 0.03                                                     | 0.2                                                       | Pass             |    |
| CA                                                                                                                                                                                                                                                                         | 150,000 miles                                                     | California LEV-IV Zero Evap (Option 2)                   | HC-TOTAL-EQUIV                                     | 0.017                 | 0.009                 | 0.03                                                     | 0.2                                                       | Pass             |    |

Certification Summary Information Report

|                                                                                                                                                                                                                                    |                                                                   |                                       |                                                    |                  |                       |                                       |                                                           |        |    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|---------------------------------------|----------------------------------------------------|------------------|-----------------------|---------------------------------------|-----------------------------------------------------------|--------|----|
| Test Group                                                                                                                                                                                                                         | VVGAJ02.0V3G                                                      | Evaporative/Refueling Family          | VVGAR0157VEP                                       |                  |                       |                                       |                                                           |        |    |
| Test #                                                                                                                                                                                                                             | SVGA10088735                                                      | Test Procedure                        | 65 - Evap Canister Bleed Test                      |                  |                       |                                       |                                                           |        |    |
| Exhaust Test # for this Evap Test                                                                                                                                                                                                  | --                                                                | Test Fuel Type                        | 48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.) |                  |                       |                                       |                                                           |        |    |
| Test Date                                                                                                                                                                                                                          | 11/29/2024                                                        | Fuel                                  | N/A                                                |                  |                       |                                       |                                                           |        |    |
| Fuel Batch ID                                                                                                                                                                                                                      | WB0029                                                            | Fuel Calibration Number               | 1                                                  |                  |                       |                                       |                                                           |        |    |
| Vehicle Class                                                                                                                                                                                                                      | N/A                                                               | DF Type                               | Mfr. Determined                                    |                  |                       |                                       |                                                           |        |    |
| Verify Test Lab ID                                                                                                                                                                                                                 | Volkswagen AG WOB2                                                |                                       |                                                    |                  |                       |                                       |                                                           |        |    |
| E10 Evaporative Test Measurement Method                                                                                                                                                                                            | Actual Total Hydrocarbon Equivalent Measurement (with speciation) |                                       |                                                    |                  |                       |                                       |                                                           |        |    |
| Test Start Odometer Reading                                                                                                                                                                                                        | 4000                                                              | Odometer Units                        | M                                                  |                  |                       |                                       |                                                           |        |    |
| 4WD Test Dyno                                                                                                                                                                                                                      | No                                                                | Diesel Adjustment Factor Usage        | --                                                 |                  |                       |                                       |                                                           |        |    |
| State of Charge Delta                                                                                                                                                                                                              | --                                                                |                                       |                                                    |                  |                       |                                       |                                                           |        |    |
| Drive Cycle Speed Tolerance Criteria                                                                                                                                                                                               | --                                                                | Road Speed Fan Usage                  | --                                                 |                  |                       |                                       |                                                           |        |    |
| Test Results                                                                                                                                                                                                                       |                                                                   |                                       |                                                    |                  |                       |                                       |                                                           |        |    |
| <table><tr><td>Test Result Name</td><td>Unrounded Test Result</td><td>Verify Calculated FE Equivalent Value</td></tr><tr><td>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</td><td>0.0055</td><td>--</td></tr></table> |                                                                   |                                       |                                                    | Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value | HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only) | 0.0055 | -- |
| Test Result Name                                                                                                                                                                                                                   | Unrounded Test Result                                             | Verify Calculated FE Equivalent Value |                                                    |                  |                       |                                       |                                                           |        |    |
| HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)                                                                                                                                                                          | 0.0055                                                            | --                                    |                                                    |                  |                       |                                       |                                                           |        |    |
| Manufacturer Test Comments                                                                                                                                                                                                         |                                                                   |                                       |                                                    |                  |                       |                                       |                                                           |        |    |
| MY25 Tiguan Evap EDV: BETP                                                                                                                                                                                                         |                                                                   |                                       |                                                    |                  |                       |                                       |                                                           |        |    |

## Certification Summary Information Report

| Test Group                                   | VVGAJ02.0V3G                                                                                                                                                                                                    | Evaporative/Refueling Family                   | VVGAR0157VEP       |      |   |                   |          |  |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|--------------------|------|---|-------------------|----------|--|
| <b>Emission Data Vehicle Information</b>     |                                                                                                                                                                                                                 |                                                |                    |      |   |                   |          |  |
| Vehicle ID / Configuration                   | VW33636-0404 / 0                                                                                                                                                                                                | Manufacturer Vehicle Configuration Number      | 0                  |      |   |                   |          |  |
| Original Test Group Name                     | TVGAJ02.0V3G                                                                                                                                                                                                    | Original Evaporative/Refueling Family          | TVGAR0157VEP       |      |   |                   |          |  |
| Original Test Vehicle Model Year             | 2026                                                                                                                                                                                                            |                                                |                    |      |   |                   |          |  |
| <b>Vehicle Model</b>                         |                                                                                                                                                                                                                 |                                                |                    |      |   |                   |          |  |
| Represented Test Vehicle Make                | Volkswagen                                                                                                                                                                                                      | Represented Test Vehicle Model                 | Tiguan SEL 4Motion |      |   |                   |          |  |
| <b>Leak Family Details</b>                   |                                                                                                                                                                                                                 |                                                |                    |      |   |                   |          |  |
| Leak Family Identifier                       | --                                                                                                                                                                                                              | Leak Family Name                               | --                 |      |   |                   |          |  |
| <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>Combustion Engine</td> <td>Gasoline</td> </tr> </tbody> </table> | Drive Source and Fuel#                         | Drive Source       | Fuel | 1 | Combustion Engine | Gasoline |  |
| Drive Source and Fuel#                       | Drive Source                                                                                                                                                                                                    | Fuel                                           |                    |      |   |                   |          |  |
| 1                                            | Combustion Engine                                                                                                                                                                                               | Gasoline                                       |                    |      |   |                   |          |  |
| Hybrid Indicator                             | No                                                                                                                                                                                                              |                                                |                    |      |   |                   |          |  |
| Multiple Fuel Storage                        | --                                                                                                                                                                                                              | Multiple Fuel Combustion                       | --                 |      |   |                   |          |  |
| Fuel Cell Indicator                          | --                                                                                                                                                                                                              | Rechargeable Energy Storage System Indicator   | --                 |      |   |                   |          |  |
| Rechargeable Energy Storage System           | --                                                                                                                                                                                                              | Rechargeable Energy Storage System, if 'Other' | --                 |      |   |                   |          |  |
| Off-board charge Capable Indicator           | --                                                                                                                                                                                                              |                                                |                    |      |   |                   |          |  |
| Odometer Correction -- Initial               | 0                                                                                                                                                                                                               | Odometer Correction Factor                     | 1                  |      |   |                   |          |  |
| Odometer Correction Sign                     | + = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles                                                                                                                 |                                                |                    |      |   |                   |          |  |
| Odometer Correction Units                    | Miles                                                                                                                                                                                                           |                                                |                    |      |   |                   |          |  |
| Engine Code                                  | DYKA                                                                                                                                                                                                            | Rated Horsepower                               | 268                |      |   |                   |          |  |
| Displacement (liters)                        | 1.984                                                                                                                                                                                                           |                                                |                    |      |   |                   |          |  |
| Air Aspiration Method                        | Turbocharged                                                                                                                                                                                                    | Air Aspiration Method, if 'Other'              |                    |      |   |                   |          |  |
| Number of Air Aspiration Devices             | 1                                                                                                                                                                                                               | Air Aspiration Device Configuration            | Single             |      |   |                   |          |  |
| Charge Air Cooler Type                       | Liquid                                                                                                                                                                                                          | Drive Mode While Testing                       | All Wheel Drive    |      |   |                   |          |  |
| Shift Indicator Light Usage                  | Not equipped                                                                                                                                                                                                    | Aged Emission Components                       | 4,000 (mi)         |      |   |                   |          |  |
| Curb Weight (lbs)                            | 4032                                                                                                                                                                                                            | Equivalent Test Weight (pounds)                | 4250               |      |   |                   |          |  |
| GVWR (lbs)                                   | 5159                                                                                                                                                                                                            | N/V Ratio                                      | 26.7               |      |   |                   |          |  |
| Axle Ratio                                   | 3.32                                                                                                                                                                                                            |                                                |                    |      |   |                   |          |  |
| Transmission Type                            | Semi-Automatic                                                                                                                                                                                                  | # of Transmission Gears                        | 8                  |      |   |                   |          |  |
| Transmission Lockup                          | Yes                                                                                                                                                                                                             | Creep Gear                                     | No                 |      |   |                   |          |  |

Certification Summary Information Report

|                                    |         |                                        |                |                  |                              |                |                                                                               |  |
|------------------------------------|---------|----------------------------------------|----------------|------------------|------------------------------|----------------|-------------------------------------------------------------------------------|--|
| Test Group                         |         | VVGAJ02.0V3G                           |                |                  | Evaporative/Refueling Family |                | VVGAR0157VEP                                                                  |  |
| 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                  | 29.67   | 0.3834                                 | 0.02324        | 7.01             | -0.081                       | 0.02574        | 14.3                                                                          |  |
| Cold CO                            | 32.64   | 0.4218                                 | 0.02556        | -10.84           | -0.305                       | 0.02952        | N/A                                                                           |  |
| US06                               | 29.67   | 0.3834                                 | 0.02324        | 7.01             | -0.081                       | 0.02574        | N/A                                                                           |  |
| Emission Control Device Comments   |         | CAC/DFI/AIR/TC/WR-HO2S/TWC(2)/GPF/HO2S |                |                  |                              |                |                                                                               |  |
| Manufacturer Test Vehicle Comments |         | MY26 VW Tiguan SEL 4Motion_PC2         |                |                  |                              |                |                                                                               |  |

## Certification Summary Information Report

| Test Group                                     | VVGAJ02.0V3G                              | Evaporative/Refueling Family          | VVGAR0157VEP                                        |
|------------------------------------------------|-------------------------------------------|---------------------------------------|-----------------------------------------------------|
| <b>Test #</b>                                  | <b>TVGA10091273</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>                 | 48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)  |
| <b>Test Date</b>                               | 05/06/2025                                | <b>Fuel</b>                           | Gasoline                                            |
| <b>Fuel Batch ID</b>                           | WB0034                                    | <b>Fuel Calibration Number</b>        | 1                                                   |
| <b>Vehicle Class</b>                           | LDT2 (LVW 3751-5750, GVW 0-6000)          | <b>DF Type</b>                        | Mfr. Determined                                     |
| <b>Verify Test Lab ID</b>                      | Volkswagen AG WOB2                        |                                       |                                                     |
| <b>E10 Evaporative Test Measurement Method</b> | --                                        |                                       |                                                     |
| <b>Test Start Odometer Reading</b>             | 4409                                      | <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)                   | 366.7019052           | --                                                       |
| FE BAG 1 (Bag 1 Fuel Economy)                      | 23.8371878            | 23.8371878                                               |
| CO2 BAG 2 (Bag 2 Carbon Dioxide)                   | 396.1199088           | --                                                       |
| FE BAG 2 (Bag 2 Fuel Economy)                      | 22.1183973            | 22.1183973                                               |
| CO2 BAG 3 (Bag 3 Carbon Dioxide)                   | 333.1921444           | --                                                       |
| FE BAG 3 (Bag 3 Fuel Economy)                      | 26.2899148            | 26.2899148                                               |
| METHANE (CH4 - Methane)                            | 0.0017688             | --                                                       |
| CO (Carbon Monoxide)                               | 0.1222939             | --                                                       |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | 0.8757269             | --                                                       |
| DT-EER (Drive Trace Energy Economy Rating)         | -0.370437             | --                                                       |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating)    | 1.252745              | --                                                       |
| MFR FE (Manufacturer Fuel Economy)                 | 23.5                  | 23.5                                                     |
| NOX (Nitrogen Oxide)                               | 0.0087087             | --                                                       |
| N2O (Nitrous Oxide)                                | 0.0010914             | --                                                       |
| HC-NM (Non-methane Hydrocarbon)                    | 0.0039081             | --                                                       |
| NMOG (Non-methane organic gases)                   | 0.0043                | --                                                       |
| PM (Particulate Matter)                            | 0.0001113             | --                                                       |
| HC-TOTAL (Total Hydrocarbon)                       | 0.0055378             | --                                                       |

| Test Result Name                 | Unrounded Test Result | Verify Calculated CREE/OPT-CREE |
|----------------------------------|-----------------------|---------------------------------|
| Carbon-Related Exhaust Emissions | 373                   | 999                             |

## Certification Summary Information Report

| Test Group                                                                                                                                                                                                                                           |               | VVG AJ02.0V3G                                                                            |               |                | Evaporative/Refueling Family |                  |                          |        | VVG AR0157VEP |                     |          |           |                  |  |                       |  |  |                       |  |  |                |  |             |  |  |    |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------------------------------------------------------------------------------|---------------|----------------|------------------------------|------------------|--------------------------|--------|---------------|---------------------|----------|-----------|------------------|--|-----------------------|--|--|-----------------------|--|--|----------------|--|-------------|--|--|----|--|--|
| <table><tr><td colspan="2">Test Result Name</td><td colspan="3">Unrounded Test Result</td><td colspan="3">Verify Calculated CO2</td></tr><tr><td colspan="2">Carbon dioxide</td><td colspan="3">372.7342093</td><td colspan="3">--</td></tr></table> |               |                                                                                          |               |                |                              |                  |                          |        |               |                     |          |           | Test Result Name |  | Unrounded Test Result |  |  | Verify Calculated CO2 |  |  | Carbon dioxide |  | 372.7342093 |  |  | -- |  |  |
| Test Result Name                                                                                                                                                                                                                                     |               | Unrounded Test Result                                                                    |               |                | Verify Calculated CO2        |                  |                          |        |               |                     |          |           |                  |  |                       |  |  |                       |  |  |                |  |             |  |  |    |  |  |
| Carbon dioxide                                                                                                                                                                                                                                       |               | 372.7342093                                                                              |               |                | --                           |                  |                          |        |               |                     |          |           |                  |  |                       |  |  |                       |  |  |                |  |             |  |  |    |  |  |
| Manufacturer Test Comments                                                                                                                                                                                                                           |               | MY26 VW Tiguan SEL 4Motion PC2_FTP Tested as Tiguan SEL 4Motion EDV ETW: 4250 RLHP: 14.3 |               |                |                              |                  |                          |        |               |                     |          |           |                  |  |                       |  |  |                       |  |  |                |  |             |  |  |    |  |  |
| 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 3 Bin 30                                                                    | CREE          | 999            | --                           | --               | --                       | 0.185  | --            | 999                 | --       | --        |                  |  |                       |  |  |                       |  |  |                |  |             |  |  |    |  |  |
| Fed                                                                                                                                                                                                                                                  | 120,000 miles | Federal Tier 3 Bin 30                                                                    | METHANE       | 0.0018         | --                           | --               | --                       | 0.0013 | --            | 0.003               | 0.030    | Pass      |                  |  |                       |  |  |                       |  |  |                |  |             |  |  |    |  |  |
| Fed                                                                                                                                                                                                                                                  | 120,000 miles | Federal Tier 3 Bin 30                                                                    | N2O           | 0.0011         | --                           | --               | --                       | 0.0008 | --            | 0.002               | 0.010    | Pass      |                  |  |                       |  |  |                       |  |  |                |  |             |  |  |    |  |  |
| Fed                                                                                                                                                                                                                                                  | 150,000 miles | Federal Tier 3 Bin 30                                                                    | CO            | 0.12           | --                           | --               | --                       | 0.13   | --            | 0.2                 | 1.0      | Pass      |                  |  |                       |  |  |                       |  |  |                |  |             |  |  |    |  |  |
| Fed                                                                                                                                                                                                                                                  | 150,000 miles | Federal Tier 3 Bin 30                                                                    | CO-COMP       | 0.28           | --                           | --               | --                       | --     | --            | 0.3                 | 4.2      | Pass      |                  |  |                       |  |  |                       |  |  |                |  |             |  |  |    |  |  |
| Fed                                                                                                                                                                                                                                                  | 150,000 miles | Federal Tier 3 Bin 30                                                                    | NMOG          | 0.0043         | --                           | 1.1019           | --                       | 0.0033 | --            | 0.008               | 99.000   | Pass      |                  |  |                       |  |  |                       |  |  |                |  |             |  |  |    |  |  |
| Fed                                                                                                                                                                                                                                                  | 150,000 miles | Federal Tier 3 Bin 30                                                                    | NMOG+NOX      | 0.013          | --                           | --               | --                       | --     | --            | 0.016               | 0.030    | Pass      |                  |  |                       |  |  |                       |  |  |                |  |             |  |  |    |  |  |
| Fed                                                                                                                                                                                                                                                  | 150,000 miles | Federal Tier 3 Bin 30                                                                    | NMOG+NOX-COMP | 0.0141         | --                           | --               | --                       | --     | --            | 0.014               | 0.040    | Pass      |                  |  |                       |  |  |                       |  |  |                |  |             |  |  |    |  |  |
| Fed                                                                                                                                                                                                                                                  | 150,000 miles | Federal Tier 3 Bin 30                                                                    | NOX           | 0.0087         | --                           | --               | --                       | 0      | --            | 0.009               | 99.000   | Pass      |                  |  |                       |  |  |                       |  |  |                |  |             |  |  |    |  |  |
| Fed                                                                                                                                                                                                                                                  | 150,000 miles | Federal Tier 3 Bin 30                                                                    | PM            | 0.0001         | --                           | --               | --                       | 0      | --            | 0                   | 0.003    | Pass      |                  |  |                       |  |  |                       |  |  |                |  |             |  |  |    |  |  |
| CA                                                                                                                                                                                                                                                   | 150,000 miles | California LEV-IV SULEV30                                                                | CO            | 0.12           | --                           | --               | --                       | 0.13   | --            | 0.2                 | 1.0      | Pass      |                  |  |                       |  |  |                       |  |  |                |  |             |  |  |    |  |  |
| CA                                                                                                                                                                                                                                                   | 150,000 miles | California LEV-IV SULEV30                                                                | NMOG          | 0.0043         | --                           | 1.1019           | --                       | 0.0033 | --            | 0.008               | 99.000   | Pass      |                  |  |                       |  |  |                       |  |  |                |  |             |  |  |    |  |  |
| CA                                                                                                                                                                                                                                                   | 150,000 miles | California LEV-IV SULEV30                                                                | NMOG+NOX      | 0.013          | --                           | --               | --                       | --     | --            | 0.016               | 0.030    | Pass      |                  |  |                       |  |  |                       |  |  |                |  |             |  |  |    |  |  |
| CA                                                                                                                                                                                                                                                   | 150,000 miles | California LEV-IV SULEV30                                                                | NOX           | 0.0087         | --                           | --               | --                       | 0      | --            | 0.009               | 99.000   | Pass      |                  |  |                       |  |  |                       |  |  |                |  |             |  |  |    |  |  |
| CA                                                                                                                                                                                                                                                   | 150,000 miles | California LEV-IV SULEV30                                                                | PM            | 0.0001         | --                           | --               | --                       | 0      | --            | 0                   | 0.001    | Pass      |                  |  |                       |  |  |                       |  |  |                |  |             |  |  |    |  |  |
| NOTE: For Non-charge depleting tests, the Rounded Result for CREE/OPT-CREE Emission names are Verify-calculated values.                                                                                                                              |               |                                                                                          |               |                |                              |                  |                          |        |               |                     |          |           |                  |  |                       |  |  |                       |  |  |                |  |             |  |  |    |  |  |

## Certification Summary Information Report

|                                                |                                           |                                       |                                            |
|------------------------------------------------|-------------------------------------------|---------------------------------------|--------------------------------------------|
| <b>Test Group</b>                              | VVGAJ02.0V3G                              | <b>Evaporative/Refueling Family</b>   | VVGAR0157VEP                               |
| <b>Test #</b>                                  | <b>TVGA10091275</b>                       | <b>Test Procedure</b>                 | <b>11 - Cold CO</b>                        |
| <b>Exhaust Test # for this Evap Test</b>       | --                                        | <b>Test Fuel Type</b>                 | 28 - Cold CO E10 Regular Gasoline (Tier 3) |
| <b>Test Date</b>                               | 05/08/2025                                | <b>Fuel</b>                           | Gasoline                                   |
| <b>Fuel Batch ID</b>                           | WB0026                                    | <b>Fuel Calibration Number</b>        | 1                                          |
| <b>Vehicle Class</b>                           | LDT2 (LVW 3751-5750, GVW 0-6000)          | <b>DF Type</b>                        | Mfr. Determined                            |
| <b>Verify Test Lab ID</b>                      | Volkswagen AG WOB2                        |                                       |                                            |
| <b>E10 Evaporative Test Measurement Method</b> | --                                        |                                       |                                            |
| <b>Test Start Odometer Reading</b>             | 4465                                      | <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)                   | 488.8668863           | --                                                       |
| FE BAG 1 (Bag 1 Fuel Economy)                      | 17.5441933            | 17.5441933                                               |
| CO2 BAG 2 (Bag 2 Carbon Dioxide)                   | 429.6245197           | --                                                       |
| FE BAG 2 (Bag 2 Fuel Economy)                      | 20.0739069            | 20.0739069                                               |
| CO2 BAG 3 (Bag 3 Carbon Dioxide)                   | 365.0209453           | --                                                       |
| FE BAG 3 (Bag 3 Fuel Economy)                      | 23.6183209            | 23.6183209                                               |
| METHANE (CH4 - Methane)                            | 0.0049495             | --                                                       |
| CO (Carbon Monoxide)                               | 0.269773              | --                                                       |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | 3.939535              | --                                                       |
| DT-EER (Drive Trace Energy Economy Rating)         | 2.184774              | --                                                       |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating)    | 5.362761              | --                                                       |
| NOX (Nitrogen Oxide)                               | 0.0363251             | --                                                       |
| N2O (Nitrous Oxide)                                | 0.0010617             | --                                                       |
| HC-NM (Non-methane Hydrocarbon)                    | 0.0587265             | --                                                       |
| NMOG (Non-methane organic gases)                   | 0.0645                | --                                                       |
| PM (Particulate Matter)                            | 0.00014               | --                                                       |
| HC-TOTAL (Total Hydrocarbon)                       | 0.0634026             | --                                                       |

| Test Result Name                 | Unrounded Test Result | Verify Calculated CREE/OPT-CREE |
|----------------------------------|-----------------------|---------------------------------|
| Carbon-Related Exhaust Emissions | 425                   | --                              |

Certification Summary Information Report

| Test Group                 |               | VVG AJ02.0V3G                                                                               |               |                       |     | Evaporative/Refueling Family |                          |        |         | VVG AR0157VEP       |          |           |
|----------------------------|---------------|---------------------------------------------------------------------------------------------|---------------|-----------------------|-----|------------------------------|--------------------------|--------|---------|---------------------|----------|-----------|
|                            |               | Test Result Name                                                                            |               | Unrounded Test Result |     |                              | Verify Calculated CO2    |        |         |                     |          |           |
|                            |               | Carbon dioxide                                                                              |               | 424.1707747           |     |                              | --                       |        |         |                     |          |           |
| Manufacturer Test Comments |               | MY26 VW Tiguan SEL 4Motion PC2_COLDCO Tested as Tiguan SEL 4Motion EDV ETW: 4250 RLHP: 14.3 |               |                       |     |                              |                          |        |         |                     |          |           |
| 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 3 Bin 30                                                                       | CO            | 0.27                  | --  | --                           | --                       | 0.05   | --      | 0.3                 | 12.5     | Pass      |
| Fed                        | 120,000 miles | Federal Tier 3 Bin 30                                                                       | HC-NM         | 0.06                  | --  | --                           | --                       | 0.0023 | --      | 0.1                 | 0.3      | Pass      |
| CA                         | 50,000 miles  | California LEV-IV SULEV30                                                                   | CO            | 0.27                  | --  | --                           | --                       | 0.05   | --      | 0.3                 | 12.5     | Pass      |



## Certification Summary Information Report

|                                                |                                           |                                       |                                                    |
|------------------------------------------------|-------------------------------------------|---------------------------------------|----------------------------------------------------|
| <b>Test Group</b>                              | VVGAJ02.0V3G                              | <b>Evaporative/Refueling Family</b>   | VVGAR0157VEP                                       |
| <b>Test #</b>                                  | <b>TVGA10091276</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>                 | 48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.) |
| <b>Test Date</b>                               | 05/15/2025                                | <b>Fuel</b>                           | Gasoline                                           |
| <b>Fuel Batch ID</b>                           | WB0034                                    | <b>Fuel Calibration Number</b>        | 1                                                  |
| <b>Vehicle Class</b>                           | LDT2 (LVW 3751-5750, GVW 0-6000)          | <b>DF Type</b>                        | Mfr. Determined                                    |
| <b>Verify Test Lab ID</b>                      | Volkswagen AG WOB2                        |                                       |                                                    |
| <b>E10 Evaporative Test Measurement Method</b> | --                                        |                                       |                                                    |
| <b>Test Start Odometer Reading</b>             | 4518                                      | <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)                   | 405.068988            | --                                                       |
| FE BAG 1 (Bag 1 Fuel Economy)                      | 21.5291889            | 21.5291889                                               |
| CO2 BAG 2 (Bag 2 Carbon Dioxide)                   | 401.9421935           | --                                                       |
| FE BAG 2 (Bag 2 Fuel Economy)                      | 21.7984421            | 21.7984421                                               |
| CO2 BAG 3 (Bag 3 Carbon Dioxide)                   | 348.3056548           | --                                                       |
| FE BAG 3 (Bag 3 Fuel Economy)                      | 25.1522297            | 25.1522297                                               |
| METHANE (CH4 - Methane)                            | 0.0026084             | --                                                       |
| CO (Carbon Monoxide)                               | 0.2421062             | --                                                       |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | 1.725245              | --                                                       |
| DT-EER (Drive Trace Energy Economy Rating)         | 0.7874422             | --                                                       |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating)    | 2.343992              | --                                                       |
| MFR FE (Manufacturer Fuel Economy)                 | 22.6                  | 22.6                                                     |
| NOX (Nitrogen Oxide)                               | 0.0058189             | --                                                       |
| N2O (Nitrous Oxide)                                | 0.0007624             | --                                                       |
| HC-NM (Non-methane Hydrocarbon)                    | 0.0069277             | --                                                       |
| NMOG (Non-methane organic gases)                   | 0.0076                | --                                                       |
| PM (Particulate Matter)                            | 0.0000491             | --                                                       |
| HC-TOTAL (Total Hydrocarbon)                       | 0.0093856             | --                                                       |

| Test Result Name                 | Unrounded Test Result | Verify Calculated CREE/OPT-CREE |
|----------------------------------|-----------------------|---------------------------------|
| Carbon-Related Exhaust Emissions | 388                   | --                              |

Certification Summary Information Report

| Test Group                 |             | VVGAJ02.0V3G                                                                               |               |                       |     | Evaporative/Refueling Family |                          |        |         | VVGAR0157VEP        |          |           |  |
|----------------------------|-------------|--------------------------------------------------------------------------------------------|---------------|-----------------------|-----|------------------------------|--------------------------|--------|---------|---------------------|----------|-----------|--|
|                            |             | Test Result Name                                                                           |               | Unrounded Test Result |     |                              | Verify Calculated CO2    |        |         |                     |          |           |  |
|                            |             | Carbon dioxide                                                                             |               | 387.8589851           |     |                              | --                       |        |         |                     |          |           |  |
| Manufacturer Test Comments |             | MY26 VW Tiguan SEL 4Motion PC2_50FTP Tested as Tiguan SEL 4Motion EDV ETW: 4250 RLHP: 14.3 |               |                       |     |                              |                          |        |         |                     |          |           |  |
| 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-IV SULEV30                                                                  | CO            | 0.24                  | --  | --                           | --                       | --     | --      | 0.2                 | 1.0      | Pass      |  |
| CA                         | 4,000 miles | California LEV-IV SULEV30                                                                  | NMOG          | 0.0076                | --  | 1.1019                       | --                       | --     | --      | 0.008               | 99.999   | Pass      |  |
| CA                         | 4,000 miles | California LEV-IV SULEV30                                                                  | NMOG+NOX      | 0.0134                | --  | --                           | --                       | --     | --      | 0.013               | 0.060    | Pass      |  |
| CA                         | 4,000 miles | California LEV-IV SULEV30                                                                  | NOX           | 0.0058                | --  | --                           | --                       | --     | --      | 0.006               | 99.999   | Pass      |  |

## Certification Summary Information Report

|                                                |                                           |                                       |                                                    |
|------------------------------------------------|-------------------------------------------|---------------------------------------|----------------------------------------------------|
| <b>Test Group</b>                              | VVGAJ02.0V3G                              | <b>Evaporative/Refueling Family</b>   | VVGAR0157VEP                                       |
| <b>Test #</b>                                  | <b>TVGA10091278</b>                       | <b>Test Procedure</b>                 | <b>49 - Quick-Driveway (QD)</b>                    |
| <b>Exhaust Test # for this Evap Test</b>       | --                                        | <b>Test Fuel Type</b>                 | 48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.) |
| <b>Test Date</b>                               | 05/13/2025                                | <b>Fuel</b>                           | Gasoline                                           |
| <b>Fuel Batch ID</b>                           | WB0034                                    | <b>Fuel Calibration Number</b>        | 1                                                  |
| <b>Vehicle Class</b>                           | LDT2 (LVW 3751-5750, GVW 0-6000)          | <b>DF Type</b>                        | Mfr. Determined                                    |
| <b>Verify Test Lab ID</b>                      | Volkswagen AG WOB2                        |                                       |                                                    |
| <b>E10 Evaporative Test Measurement Method</b> | --                                        |                                       |                                                    |
| <b>Test Start Odometer Reading</b>             | 4483                                      | <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)                   | 368.0305796           | --                                                       |
| FE BAG 1 (Bag 1 Fuel Economy)                      | 23.6738102            | 23.6738102                                               |
| CO2 BAG 2 (Bag 2 Carbon Dioxide)                   | 385.6858879           | --                                                       |
| FE BAG 2 (Bag 2 Fuel Economy)                      | 22.7172415            | 22.7172415                                               |
| CO2 BAG 3 (Bag 3 Carbon Dioxide)                   | 331.8147069           | --                                                       |
| FE BAG 3 (Bag 3 Fuel Economy)                      | 26.4033193            | 26.4033193                                               |
| METHANE (CH4 - Methane)                            | 0.0030616             | --                                                       |
| CO (Carbon Monoxide)                               | 0.2555357             | --                                                       |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | -1.354704             | --                                                       |
| DT-EER (Drive Trace Energy Economy Rating)         | -1.162252             | --                                                       |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating)    | -2.351254             | --                                                       |
| MFR FE (Manufacturer Fuel Economy)                 | 23.8                  | 23.8                                                     |
| NOX (Nitrogen Oxide)                               | 0.0106258             | --                                                       |
| N2O (Nitrous Oxide)                                | 0.0004209             | --                                                       |
| HC-NM (Non-methane Hydrocarbon)                    | 0.0098054             | --                                                       |
| NMOG (Non-methane organic gases)                   | 0.0108                | --                                                       |
| PM (Particulate Matter)                            | 0.0000189             | --                                                       |
| HC-TOTAL (Total Hydrocarbon)                       | 0.0127377             | --                                                       |

| Test Result Name                 | Unrounded Test Result | Verify Calculated CREE/OPT-CREE |
|----------------------------------|-----------------------|---------------------------------|
| Carbon-Related Exhaust Emissions | 367                   | --                              |

Certification Summary Information Report

| Test Group                 |               | VVG AJ02.0V3G                                                                                         |               |                       |     | Evaporative/Refueling Family |                          |        |         | VVG AR0157VEP       |          |           |
|----------------------------|---------------|-------------------------------------------------------------------------------------------------------|---------------|-----------------------|-----|------------------------------|--------------------------|--------|---------|---------------------|----------|-----------|
|                            |               | Test Result Name                                                                                      |               | Unrounded Test Result |     |                              | Verify Calculated CO2    |        |         |                     |          |           |
|                            |               | Carbon dioxide                                                                                        |               | 367.2127109           |     |                              | --                       |        |         |                     |          |           |
| Manufacturer Test Comments |               | MY26 VW Tiguan SEL 4Motion PC2_Quick Drive-Away Tested as Tiguan SEL 4Motion EDV ETW: 4250 RLHP: 14.3 |               |                       |     |                              |                          |        |         |                     |          |           |
| Certification Region       | Useful Life   | Standard Level                                                                                        | Emission Name | Rounded Result        | RAF | NMOG/NM HC Ratio             | Diesel Adjustment Factor | Add DF | Mult DF | Certification Level | Standard | Pass/Fail |
| CA                         | 150,000 miles | California LEV-IV SULEV30                                                                             | NMOG          | 0.0108                | --  | 1.1019                       | --                       | 0.0033 | --      | 0.014               | 99.000   | Pass      |
| CA                         | 150,000 miles | California LEV-IV SULEV30                                                                             | NMOG+NOX      | 0.0214                | --  | --                           | --                       | --     | --      | 0.025               | 0.042    | Pass      |
| CA                         | 150,000 miles | California LEV-IV SULEV30                                                                             | NOX           | 0.0106                | --  | --                           | --                       | 0      | --      | 0.011               | 99.000   | Pass      |

## Certification Summary Information Report

|                                                |                                           |                                       |                                                    |
|------------------------------------------------|-------------------------------------------|---------------------------------------|----------------------------------------------------|
| <b>Test Group</b>                              | VVGAJ02.0V3G                              | <b>Evaporative/Refueling Family</b>   | VVGAR0157VEP                                       |
| <b>Test #</b>                                  | <b>TVGA10091274</b>                       | <b>Test Procedure</b>                 | <b>3 - HWFE</b>                                    |
| <b>Exhaust Test # for this Evap Test</b>       | --                                        | <b>Test Fuel Type</b>                 | 48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.) |
| <b>Test Date</b>                               | 05/06/2025                                | <b>Fuel</b>                           | Gasoline                                           |
| <b>Fuel Batch ID</b>                           | WB0034                                    | <b>Fuel Calibration Number</b>        | 1                                                  |
| <b>Vehicle Class</b>                           | LDT2 (LVW 3751-5750, GVW 0-6000)          | <b>DF Type</b>                        | Mfr. Determined                                    |
| <b>Verify Test Lab ID</b>                      | Volkswagen AG WOB2                        |                                       |                                                    |
| <b>E10 Evaporative Test Measurement Method</b> | --                                        |                                       |                                                    |
| <b>Test Start Odometer Reading</b>             | 4420                                      | <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) |
|----------------------------------------------------|-----------------------|----------------------------------------------------------|
| METHANE (CH4 - Methane)                            | 0                     | --                                                       |
| CO (Carbon Monoxide)                               | 0.0350599             | --                                                       |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | 5.856492              | --                                                       |
| DT-EER (Drive Trace Energy Economy Rating)         | -0.1575998            | --                                                       |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating)    | 7.477462              | --                                                       |
| MFR FE (Manufacturer Fuel Economy)                 | 36.5                  | 36.5                                                     |
| NOX (Nitrogen Oxide)                               | 0.001108              | --                                                       |
| N2O (Nitrous Oxide)                                | 0                     | --                                                       |
| HC-NM (Non-methane Hydrocarbon)                    | 0.000623              | --                                                       |
| NMOG (Non-methane organic gases)                   | 0.0006                | --                                                       |
| PM (Particulate Matter)                            | 0                     | --                                                       |
| HC-TOTAL (Total Hydrocarbon)                       | 0.0005528             | --                                                       |

| Test Result Name                 | Unrounded Test Result | Verify Calculated CREE/OPT-CREE |
|----------------------------------|-----------------------|---------------------------------|
| Carbon-Related Exhaust Emissions | 240                   | 999                             |

| Test Result Name | Unrounded Test Result | Verify Calculated CO2 |
|------------------|-----------------------|-----------------------|
| Carbon dioxide   | 240.2940495           | --                    |

## Manufacturer Test Comments

MY26 VW Tiguan SEL 4Motion PC2\_HWY Tested as Tiguan SEL 4Motion EDV ETW: 4250 RLHP: 14.3

## Certification Summary Information Report

| Test Group           |               | VVGAJ02.0V3G              |               |                | Evaporative/Refueling Family |                  |                          |        |         | VVGAR0157VEP        |          |           |
|----------------------|---------------|---------------------------|---------------|----------------|------------------------------|------------------|--------------------------|--------|---------|---------------------|----------|-----------|
| 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 3 Bin 30     | CREE          | 999            | --                           | --               | --                       | 0.185  | --      | 999                 | --       | --        |
| Fed                  | 150,000 miles | Federal Tier 3 Bin 30     | NMOG          | 0.0006         | --                           | 1.03             | --                       | 0.0033 | --      | 0.004               | 99.000   | Pass      |
| Fed                  | 150,000 miles | Federal Tier 3 Bin 30     | NMOG+NOX      | 0.0017         | --                           | --               | --                       | --     | --      | 0.005               | 0.030    | Pass      |
| Fed                  | 150,000 miles | Federal Tier 3 Bin 30     | NOX           | 0.0011         | --                           | --               | --                       | 0      | --      | 0.001               | 99.000   | Pass      |
| CA                   | 150,000 miles | California LEV-IV SULEV30 | NMOG          | 0.0006         | --                           | 1.03             | --                       | 0.0033 | --      | 0.004               | 99.000   | Pass      |
| CA                   | 150,000 miles | California LEV-IV SULEV30 | NMOG+NOX      | 0.0017         | --                           | --               | --                       | --     | --      | 0.005               | 0.030    | Pass      |
| CA                   | 150,000 miles | California LEV-IV SULEV30 | NOX           | 0.0011         | --                           | --               | --                       | 0      | --      | 0.001               | 99.000   | Pass      |

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

## Certification Summary Information Report

|                                                |                                           |                                       |                                                    |
|------------------------------------------------|-------------------------------------------|---------------------------------------|----------------------------------------------------|
| <b>Test Group</b>                              | VVGAJ02.0V3G                              | <b>Evaporative/Refueling Family</b>   | VVGAR0157VEP                                       |
| <b>Test #</b>                                  | <b>TVGA10091279</b>                       | <b>Test Procedure</b>                 | <b>90 - US06</b>                                   |
| <b>Exhaust Test # for this Evap Test</b>       | --                                        | <b>Test Fuel Type</b>                 | 48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.) |
| <b>Test Date</b>                               | 05/13/2025                                | <b>Fuel</b>                           | Gasoline                                           |
| <b>Fuel Batch ID</b>                           | WB0034                                    | <b>Fuel Calibration Number</b>        | 1                                                  |
| <b>Vehicle Class</b>                           | LDT2 (LVW 3751-5750, GVW 0-6000)          | <b>DF Type</b>                        | Mfr. Determined                                    |
| <b>Verify Test Lab ID</b>                      | Volkswagen AG WOB2                        |                                       |                                                    |
| <b>E10 Evaporative Test Measurement Method</b> | --                                        |                                       |                                                    |
| <b>Test Start Odometer Reading</b>             | 4494                                      | <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)                   | 530.6473878           | --                                                       |
| FE BAG 1 (Bag 1 Fuel Economy)                      | 16.4958858            | 16.4958858                                               |
| CO2 BAG 2 (Bag 2 Carbon Dioxide)                   | 286.7879976           | --                                                       |
| FE BAG 2 (Bag 2 Fuel Economy)                      | 30.5284314            | 30.5284314                                               |
| METHANE (CH4 - Methane)                            | 0.0017608             | --                                                       |
| CO (Carbon Monoxide)                               | 0.1672376             | --                                                       |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | -4.841586             | --                                                       |
| DT-EER (Drive Trace Energy Economy Rating)         | -2.312009             | --                                                       |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating)    | -8.070312             | --                                                       |
| MFR FE (Manufacturer Fuel Economy)                 | 25.7                  | 25.7                                                     |
| NOX (Nitrogen Oxide)                               | 0.0056986             | --                                                       |
| N2O (Nitrous Oxide)                                | 0.0001143             | --                                                       |
| HC-NM (Non-methane Hydrocarbon)                    | 0.0039446             | --                                                       |
| NMOG (Non-methane organic gases)                   | 0.0041                | --                                                       |
| PM (Particulate Matter)                            | 0                     | --                                                       |
| HC-TOTAL (Total Hydrocarbon)                       | 0.005671              | --                                                       |

| Test Result Name                 | Unrounded Test Result | Verify Calculated CREE/OPT-CREE |
|----------------------------------|-----------------------|---------------------------------|
| Carbon-Related Exhaust Emissions | 341                   | --                              |

| Test Result Name | Unrounded Test Result | Verify Calculated CO2 |
|------------------|-----------------------|-----------------------|
| Carbon dioxide   | 340.776178            | --                    |

## Certification Summary Information Report

| Test Group                 |               | VVGAJ02.0V3G                                                                              |               |                |     | Evaporative/Refueling Family |                          |        |         | VVGAR0157VEP        |          |           |
|----------------------------|---------------|-------------------------------------------------------------------------------------------|---------------|----------------|-----|------------------------------|--------------------------|--------|---------|---------------------|----------|-----------|
| Manufacturer Test Comments |               | MY26 VW Tiguan SEL 4Motion PC2_US06 Tested as Tiguan SEL 4Motion EDV ETW: 4250 RLHP: 14.3 |               |                |     |                              |                          |        |         |                     |          |           |
| Certification Region       | Useful Life   | Standard Level                                                                            | Emission Name | Rounded Result | RAF | NMOG/NM HC Ratio             | Diesel Adjustment Factor | Add DF | Mult DF | Certification Level | Standard | Pass/Fail |
| Fed                        | 150,000 miles | Federal Tier 3 Bin 30                                                                     | CO            | 0.17           | --  | --                           | --                       | 0.13   | --      | 0.3                 | 99.0     | Pass      |
| Fed                        | 150,000 miles | Federal Tier 3 Bin 30                                                                     | NMOG          | 0.0041         | --  | 1.03                         | --                       | 0.0033 | --      | 0.007               | 99.000   | Pass      |
| Fed                        | 150,000 miles | Federal Tier 3 Bin 30                                                                     | NOX           | 0.0057         | --  | --                           | --                       | 0      | --      | 0.006               | 99.000   | Pass      |
| Fed                        | 150,000 miles | Federal Tier 3 Bin 30                                                                     | PM            | 0              | --  | --                           | --                       | 0      | --      | 0                   | 0.006    | Pass      |
| CA                         | 150,000 miles | California LEV-IV SULEV30                                                                 | CO            | 0.17           | --  | --                           | --                       | 0.13   | --      | 0.3                 | 9.6      | Pass      |
| CA                         | 150,000 miles | California LEV-IV SULEV30                                                                 | NMOG          | 0.0041         | --  | 1.03                         | --                       | 0.0033 | --      | 0.007               | 99.000   | Pass      |
| CA                         | 150,000 miles | California LEV-IV SULEV30                                                                 | NMOG+NOX      | 0.0098         | --  | --                           | --                       | --     | --      | 0.013               | 0.030    | Pass      |
| CA                         | 150,000 miles | California LEV-IV SULEV30                                                                 | NOX           | 0.0057         | --  | --                           | --                       | 0      | --      | 0.006               | 99.000   | Pass      |
| CA                         | 150,000 miles | California LEV-IV SULEV30                                                                 | PM            | 0              | --  | --                           | --                       | 0      | --      | 0                   | 0.003    | Pass      |



## Certification Summary Information Report

|                                                |                                           |                                       |                                                    |
|------------------------------------------------|-------------------------------------------|---------------------------------------|----------------------------------------------------|
| <b>Test Group</b>                              | VVGAJ02.0V3G                              | <b>Evaporative/Refueling Family</b>   | VVGAR0157VEP                                       |
| <b>Test #</b>                                  | <b>TVGA10091277</b>                       | <b>Test Procedure</b>                 | <b>95 - SC03</b>                                   |
| <b>Exhaust Test # for this Evap Test</b>       | --                                        | <b>Test Fuel Type</b>                 | 48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.) |
| <b>Test Date</b>                               | 05/28/2025                                | <b>Fuel</b>                           | Gasoline                                           |
| <b>Fuel Batch ID</b>                           | IG0051                                    | <b>Fuel Calibration Number</b>        | 1                                                  |
| <b>Vehicle Class</b>                           | LDT2 (LVW 3751-5750, GVW 0-6000)          | <b>DF Type</b>                        | Mfr. Determined                                    |
| <b>Verify Test Lab ID</b>                      | AUDI AG Ingolstadt                        |                                       |                                                    |
| <b>E10 Evaporative Test Measurement Method</b> | --                                        |                                       |                                                    |
| <b>Test Start Odometer Reading</b>             | 4610                                      | <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) |
|----------------------------------------------------|-----------------------|----------------------------------------------------------|
| METHANE (CH4 - Methane)                            | 0.0027797             | --                                                       |
| CO (Carbon Monoxide)                               | 0.1737372             | --                                                       |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | 3.188299              | --                                                       |
| DT-EER (Drive Trace Energy Economy Rating)         | 0.8848916             | --                                                       |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating)    | 2.969939              | --                                                       |
| MFR FE (Manufacturer Fuel Economy)                 | 18.4                  | 18.4                                                     |
| NOX (Nitrogen Oxide)                               | 0.0079893             | --                                                       |
| N2O (Nitrous Oxide)                                | 0.0000235             | --                                                       |
| HC-NM (Non-methane Hydrocarbon)                    | 0.0013675             | --                                                       |
| NMOG (Non-methane organic gases)                   | 0.0014                | --                                                       |
| HC-TOTAL (Total Hydrocarbon)                       | 0.0040436             | --                                                       |

| Test Result Name                 | Unrounded Test Result | Verify Calculated CREE/OPT-CREE |
|----------------------------------|-----------------------|---------------------------------|
| Carbon-Related Exhaust Emissions | 471                   | --                              |

| Test Result Name | Unrounded Test Result | Verify Calculated CO2 |
|------------------|-----------------------|-----------------------|
| Carbon dioxide   | 471.1616883           | --                    |

## Manufacturer Test Comments

MY26 VW Tiguan SEL 4Motion PC2\_SC03 Tested as Tiguan SEL 4Motion EDV ETW: 4250 RLHP: 14.3

## Certification Summary Information Report

| Test Group           |               | VVG AJ02.0V3G             |               |                |     | Evaporative/Refueling Family |                          |        |         | VVG AR0157VEP       |          |           |
|----------------------|---------------|---------------------------|---------------|----------------|-----|------------------------------|--------------------------|--------|---------|---------------------|----------|-----------|
| Certification Region | Useful Life   | Standard Level            | Emission Name | Rounded Result | RAF | NMOG/NM HC Ratio             | Diesel Adjustment Factor | Add DF | Mult DF | Certification Level | Standard | Pass/Fail |
| Fed                  | 150,000 miles | Federal Tier 3 Bin 30     | CO            | 0.17           | --  | --                           | --                       | 0.13   | --      | 0.3                 | 99.0     | Pass      |
| Fed                  | 150,000 miles | Federal Tier 3 Bin 30     | NMOG          | 0.0014         | --  | 1.03                         | --                       | 0.0033 | --      | 0.005               | 99.000   | Pass      |
| Fed                  | 150,000 miles | Federal Tier 3 Bin 30     | NOX           | 0.008          | --  | --                           | --                       | 0      | --      | 0.008               | 99.000   | Pass      |
| CA                   | 150,000 miles | California LEV-IV SULEV30 | CO            | 0.17           | --  | --                           | --                       | 0.13   | --      | 0.3                 | 1.0      | Pass      |
| CA                   | 150,000 miles | California LEV-IV SULEV30 | NMOG          | 0.0014         | --  | 1.03                         | --                       | 0.0033 | --      | 0.005               | 99.000   | Pass      |
| CA                   | 150,000 miles | California LEV-IV SULEV30 | NMOG+NOX      | 0.0094         | --  | --                           | --                       | --     | --      | 0.013               | 0.030    | Pass      |
| CA                   | 150,000 miles | California LEV-IV SULEV30 | NOX           | 0.008          | --  | --                           | --                       | 0      | --      | 0.008               | 99.000   | Pass      |

## Certification Summary Information Report

| Test Group                                                                | VVGAJ02.0V3G                                       | Evaporative/Refueling Family                                              | VVGAR0157VEP |
|---------------------------------------------------------------------------|----------------------------------------------------|---------------------------------------------------------------------------|--------------|
| <b>Fuel Properties</b>                                                    |                                                    |                                                                           |              |
| <b>Fuel Batch ID</b>                                                      | <b>WB0026</b>                                      | <b>Fuel Calibration Number</b>                                            | <b>1</b>     |
| <b>Test Fuel Type</b>                                                     | 28 - Cold CO E10 Regular Gasoline (Tier 3)         | <b>Fuel Batch Calibration Date</b>                                        | 02/08/2024   |
| <b>Fuel Batch Calibration Effective Date</b>                              | 02/16/2024                                         | <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>                                              | 0.74         |
| <b>Fuel Ethanol Volume Percent (%)</b>                                    | 9.7                                                | <b>Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)</b> | 17829        |
| <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> | 0.825                                              | <b>Weight Fraction CO2</b>                                                | --           |
| <b>Fuel Batch ID</b>                                                      | <b>WB0029</b>                                      | <b>Fuel Calibration Number</b>                                            | <b>1</b>     |
| <b>Test Fuel Type</b>                                                     | 48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.) | <b>Fuel Batch Calibration Date</b>                                        | 09/17/2024   |
| <b>Fuel Batch Calibration Effective Date</b>                              | 11/18/2024                                         | <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>                                              | 0.751        |
| <b>Fuel Ethanol Volume Percent (%)</b>                                    | 9.8                                                | <b>Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)</b> | 17889        |
| <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> | 0.822                                              | <b>Weight Fraction CO2</b>                                                | --           |
| <b>Fuel Batch ID</b>                                                      | <b>IG0051</b>                                      | <b>Fuel Calibration Number</b>                                            | <b>1</b>     |
| <b>Test Fuel Type</b>                                                     | 48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.) | <b>Fuel Batch Calibration Date</b>                                        | 11/04/2024   |
| <b>Fuel Batch Calibration Effective Date</b>                              | 11/11/2024                                         | <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>                                              | 0.751        |
| <b>Fuel Ethanol Volume Percent (%)</b>                                    | 9.7                                                | <b>Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)</b> | 17893        |
| <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> | 0.826                                              | <b>Weight Fraction CO2</b>                                                | --           |
| <b>Fuel Batch ID</b>                                                      | <b>WB0034</b>                                      | <b>Fuel Calibration Number</b>                                            | <b>1</b>     |
| <b>Test Fuel Type</b>                                                     | 48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.) | <b>Fuel Batch Calibration Date</b>                                        | 03/21/2025   |
| <b>Fuel Batch Calibration Effective Date</b>                              | 01/15/2025                                         | <b>Fuel Batch Calibration Ineffective Date</b>                            | --           |

## Certification Summary Information Report

| Test Group                                                         | VVGAJ02.0V3G                                       | Evaporative/Refueling Family                                       | VVGAR0157VEP |
|--------------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------------|--------------|
| Carbon Weight Fraction NMHC                                        | --                                                 | Carbon Weight Fraction HC                                          | --           |
| Exhaust Carbon Weight Fraction                                     | --                                                 | Fuel Methanol Volume Fraction                                      | --           |
| Fuel Density (grams/cubic ft)                                      | --                                                 | Fuel Specific Gravity                                              | 0.753        |
| Fuel Ethanol Volume Percent (%)                                    | 10.1                                               | Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb) | 17818        |
| Fuel Net Heat of Combustion (E10) (MJ/kg)                          | --                                                 | Fuel Carbon Mass Fraction (E10)                                    | --           |
| Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0) | 0.83                                               | Weight Fraction CO2                                                | --           |
| Fuel Batch ID                                                      | WB0027                                             | Fuel Calibration Number                                            | 1            |
| Test Fuel Type                                                     | 48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.) | Fuel Batch Calibration Date                                        | 05/03/2024   |
| Fuel Batch Calibration Effective Date                              | 06/12/2024                                         | 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                                              | 0.752        |
| Fuel Ethanol Volume Percent (%)                                    | 9.8                                                | Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb) | 17969        |
| Fuel Net Heat of Combustion (E10) (MJ/kg)                          | --                                                 | Fuel Carbon Mass Fraction (E10)                                    | --           |
| Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0) | 0.833                                              | Weight Fraction CO2                                                | --           |

## Certification Summary Information Report

|                                |               |                                     |     |             |                                 |                                   |                                         |        |        |
|--------------------------------|---------------|-------------------------------------|-----|-------------|---------------------------------|-----------------------------------|-----------------------------------------|--------|--------|
| Test Group                     |               | VVGAJ02.0V3G                        |     |             | Evaporative/Refueling Family    |                                   | VVGAR0157VEP                            |        |        |
| Consolidated List of Standards |               |                                     |     |             |                                 |                                   |                                         |        |        |
| Exhaust Standards              |               |                                     |     |             |                                 |                                   |                                         |        |        |
| Cert Region                    |               | Federal                             |     |             | Cert/In-Use Code                |                                   | Both                                    |        |        |
| Vehicle Class                  |               | LDT2 (LVW 3751-5750, GVW 0-6000)    |     |             | Standard Level                  |                                   | Federal Tier 3 Bin 30                   |        |        |
| 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          | --                                  | --  | --          | --                              | --                                | --                                      | 0.185  | 999    |
| 120,000 miles                  | METHANE       | --                                  | --  | --          | --                              | --                                | --                                      | 0.0013 | 0.030  |
| 120,000 miles                  | N2O           | --                                  | --  | --          | --                              | --                                | --                                      | 0.0008 | 0.010  |
| 150,000 miles                  | CO            | --                                  | --  | --          | --                              | --                                | --                                      | 0.13   | 1.0    |
| 150,000 miles                  | CO-COMP       | --                                  | --  | --          | --                              | --                                | --                                      | --     | 4.2    |
| 150,000 miles                  | NMOG          | --                                  | --  | 1.1019      | --                              | --                                | --                                      | 0.0033 | 99.000 |
| 150,000 miles                  | NMOG+NOX      | --                                  | --  | --          | --                              | --                                | --                                      | 0.0033 | 0.030  |
| 150,000 miles                  | NMOG+NOX-COMP | --                                  | --  | --          | --                              | --                                | --                                      | --     | 0.040  |
| 150,000 miles                  | NOX           | --                                  | --  | --          | --                              | --                                | --                                      | 0      | 99.000 |
| 150,000 miles                  | PM            | --                                  | --  | --          | --                              | --                                | --                                      | 0      | 0.003  |
|                                |               |                                     |     |             |                                 |                                   |                                         |        |        |
| Cert Region                    |               | California + CAA Section 177 states |     |             | Cert/In-Use Code                |                                   | Both                                    |        |        |
| Vehicle Class                  |               | LDT2 (LVW 3751-5750, GVW 0-6000)    |     |             | Standard Level                  |                                   | California LEV-IV SULEV30               |        |        |
| Fuel                           |               | Gasoline                            |     |             | Test Procedure                  |                                   | SC03                                    |        |        |
| Useful Life                    | Emission Name | Rounded Result                      | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF                                 | Add DF | Std    |
| 150,000 miles                  | CO            | --                                  | --  | --          | --                              | --                                | --                                      | 0.13   | 1.0    |
| 150,000 miles                  | NMOG          | --                                  | --  | 1.03        | --                              | --                                | --                                      | 0.0033 | 99.000 |
| 150,000 miles                  | NMOG+NOX      | --                                  | --  | --          | --                              | --                                | --                                      | 0.0033 | 0.030  |
| 150,000 miles                  | NOX           | --                                  | --  | --          | --                              | --                                | --                                      | 0      | 99.000 |
|                                |               |                                     |     |             |                                 |                                   |                                         |        |        |

## Certification Summary Information Report

|                      |                                     |                       |            |                                     |                                        |                                          |                                         |               |            |
|----------------------|-------------------------------------|-----------------------|------------|-------------------------------------|----------------------------------------|------------------------------------------|-----------------------------------------|---------------|------------|
| <b>Test Group</b>    | VVGAJ02.0V3G                        |                       |            | <b>Evaporative/Refueling Family</b> |                                        |                                          | VVGAR0157VEP                            |               |            |
| <b>Cert Region</b>   | California + CAA Section 177 states |                       |            | <b>Cert/In-Use Code</b>             |                                        |                                          | Cert                                    |               |            |
| <b>Vehicle Class</b> | LDT2 (LVW 3751-5750, GVW 0-6000)    |                       |            | <b>Standard Level</b>               |                                        |                                          | California LEV-IV SULEV30               |               |            |
| <b>Fuel</b>          | Gasoline                            |                       |            | <b>Test Procedure</b>               |                                        |                                          | Federal fuel 2-day exhaust (w/can load) |               |            |
| <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                                  | --                    | --         | --                                  | --                                     | --                                       | --                                      | 0.13          | 1.0        |
| 150,000 miles        | NMOG                                | --                    | --         | 1.1019                              | --                                     | --                                       | --                                      | 0.0033        | 99.000     |
| 150,000 miles        | NMOG+NOX                            | --                    | --         | --                                  | --                                     | --                                       | --                                      | 0.0033        | 0.030      |
| 150,000 miles        | NOX                                 | --                    | --         | --                                  | --                                     | --                                       | --                                      | 0             | 99.000     |
| 150,000 miles        | PM                                  | --                    | --         | --                                  | --                                     | --                                       | --                                      | 0             | 0.001      |
| <b>Cert Region</b>   | California + CAA Section 177 states |                       |            | <b>Cert/In-Use Code</b>             |                                        |                                          | Cert                                    |               |            |
| <b>Vehicle Class</b> | LDT2 (LVW 3751-5750, GVW 0-6000)    |                       |            | <b>Standard Level</b>               |                                        |                                          | California LEV-IV SULEV30               |               |            |
| <b>Fuel</b>          | Gasoline                            |                       |            | <b>Test Procedure</b>               |                                        |                                          | Quick-Driveway (QD)                     |               |            |
| <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                                | --                    | --         | 1.1019                              | --                                     | --                                       | --                                      | 0.0033        | 99.000     |
| 150,000 miles        | NMOG+NOX                            | --                    | --         | --                                  | --                                     | --                                       | --                                      | 0.0033        | 0.042      |
| 150,000 miles        | NOX                                 | --                    | --         | --                                  | --                                     | --                                       | --                                      | 0             | 99.000     |
| <b>Cert Region</b>   | California + CAA Section 177 states |                       |            | <b>Cert/In-Use Code</b>             |                                        |                                          | Both                                    |               |            |
| <b>Vehicle Class</b> | LDT2 (LVW 3751-5750, GVW 0-6000)    |                       |            | <b>Standard Level</b>               |                                        |                                          | California LEV-IV SULEV30               |               |            |
| <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                                  | --                    | --         | --                                  | --                                     | --                                       | --                                      | --            | 1.0        |
| 4,000 miles          | NMOG                                | --                    | --         | 1.1019                              | --                                     | --                                       | --                                      | --            | 99.999     |
| 4,000 miles          | NMOG+NOX                            | --                    | --         | --                                  | --                                     | --                                       | 1                                       | --            | 0.060      |
| 4,000 miles          | NOX                                 | --                    | --         | --                                  | --                                     | --                                       | --                                      | --            | 99.999     |

## Certification Summary Information Report

|                      |                      |                                  |            |                    |                                        |                                          |                |                       |            |
|----------------------|----------------------|----------------------------------|------------|--------------------|----------------------------------------|------------------------------------------|----------------|-----------------------|------------|
| <b>Test Group</b>    |                      | VVGAJ02.0V3G                     |            |                    | Evaporative/Refueling Family           |                                          |                | VVGAR0157VEP          |            |
| <b>Cert Region</b>   |                      | Federal                          |            |                    | <b>Cert/In-Use Code</b>                |                                          |                | Both                  |            |
| <b>Vehicle Class</b> |                      | LDT2 (LVW 3751-5750, GVW 0-6000) |            |                    | <b>Standard Level</b>                  |                                          |                | Federal Tier 3 Bin 30 |            |
| <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                 | --                               | --         | --                 | --                                     | --                                       | --             | 0.185                 | 999        |
| 150,000 miles        | NMOG                 | --                               | --         | 1.03               | --                                     | --                                       | --             | 0.0033                | 99.000     |
| 150,000 miles        | NMOG+NOX             | --                               | --         | --                 | --                                     | --                                       | --             | 0.0033                | 0.030      |
| 150,000 miles        | NOX                  | --                               | --         | --                 | --                                     | --                                       | --             | 0                     | 99.000     |

|                      |                      |                                  |            |                    |                                        |                                          |                |                       |            |
|----------------------|----------------------|----------------------------------|------------|--------------------|----------------------------------------|------------------------------------------|----------------|-----------------------|------------|
| <b>Cert Region</b>   |                      | Federal                          |            |                    | <b>Cert/In-Use Code</b>                |                                          |                | Both                  |            |
| <b>Vehicle Class</b> |                      | LDT2 (LVW 3751-5750, GVW 0-6000) |            |                    | <b>Standard Level</b>                  |                                          |                | Federal Tier 3 Bin 30 |            |
| <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                   | --                               | --         | --                 | --                                     | --                                       | --             | 0.13                  | 99.0       |
| 150,000 miles        | NMOG                 | --                               | --         | 1.03               | --                                     | --                                       | --             | 0.0033                | 99.000     |
| 150,000 miles        | NOX                  | --                               | --         | --                 | --                                     | --                                       | --             | 0                     | 99.000     |

|                      |                      |                                     |            |                    |                                        |                                          |                |                           |            |
|----------------------|----------------------|-------------------------------------|------------|--------------------|----------------------------------------|------------------------------------------|----------------|---------------------------|------------|
| <b>Cert Region</b>   |                      | California + CAA Section 177 states |            |                    | <b>Cert/In-Use Code</b>                |                                          |                | Cert                      |            |
| <b>Vehicle Class</b> |                      | LDT2 (LVW 3751-5750, GVW 0-6000)    |            |                    | <b>Standard Level</b>                  |                                          |                | California LEV-IV SULEV30 |            |
| <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                   | --                                  | --         | --                 | --                                     | --                                       | --             | 0.13                      | 9.6        |
| 150,000 miles        | NMOG                 | --                                  | --         | 1.03               | --                                     | --                                       | --             | 0.0033                    | 99.000     |
| 150,000 miles        | NMOG+NOX             | --                                  | --         | --                 | --                                     | --                                       | --             | 0.0033                    | 0.030      |
| 150,000 miles        | NOX                  | --                                  | --         | --                 | --                                     | --                                       | --             | 0                         | 99.000     |
| 150,000 miles        | PM                   | --                                  | --         | --                 | --                                     | --                                       | --             | 0                         | 0.003      |

## Certification Summary Information Report

|                      |                      |                                     |            |                    |                                        |                                          |                |                           |            |
|----------------------|----------------------|-------------------------------------|------------|--------------------|----------------------------------------|------------------------------------------|----------------|---------------------------|------------|
| <b>Test Group</b>    |                      | VVGAJ02.0V3G                        |            |                    | <b>Evaporative/Refueling Family</b>    |                                          |                | VVGAR0157VEP              |            |
| <b>Cert Region</b>   |                      | California + CAA Section 177 states |            |                    | <b>Cert/In-Use Code</b>                |                                          |                | Both                      |            |
| <b>Vehicle Class</b> |                      | LDT2 (LVW 3751-5750, GVW 0-6000)    |            |                    | <b>Standard Level</b>                  |                                          |                | California LEV-IV SULEV30 |            |
| <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                 | --                                  | --         | 1.03               | --                                     | --                                       | --             | 0.0033                    | 99.000     |
| 150,000 miles        | NMOG+NOX             | --                                  | --         | --                 | --                                     | --                                       | --             | 0.0033                    | 0.030      |
| 150,000 miles        | NOX                  | --                                  | --         | --                 | --                                     | --                                       | --             | 0                         | 99.000     |
|                      |                      |                                     |            |                    |                                        |                                          |                |                           |            |
| <b>Cert Region</b>   |                      | Federal                             |            |                    | <b>Cert/In-Use Code</b>                |                                          |                | Both                      |            |
| <b>Vehicle Class</b> |                      | LDT2 (LVW 3751-5750, GVW 0-6000)    |            |                    | <b>Standard Level</b>                  |                                          |                | Federal Tier 3 Bin 30     |            |
| <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                   | --                                  | --         | --                 | --                                     | --                                       | --             | 0.13                      | 99.0       |
| 150,000 miles        | NMOG                 | --                                  | --         | 1.03               | --                                     | --                                       | --             | 0.0033                    | 99.000     |
| 150,000 miles        | NOX                  | --                                  | --         | --                 | --                                     | --                                       | --             | 0                         | 99.000     |
| 150,000 miles        | PM                   | --                                  | --         | --                 | --                                     | --                                       | --             | 0                         | 0.006      |
|                      |                      |                                     |            |                    |                                        |                                          |                |                           |            |
| <b>Cert Region</b>   |                      | Federal                             |            |                    | <b>Cert/In-Use Code</b>                |                                          |                | Both                      |            |
| <b>Vehicle Class</b> |                      | LDT2 (LVW 3751-5750, GVW 0-6000)    |            |                    | <b>Standard Level</b>                  |                                          |                | Federal Tier 3 Bin 30     |            |
| <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                   | --                                  | --         | --                 | --                                     | --                                       | --             | 0.05                      | 12.5       |
| 120,000 miles        | HC-NM                | --                                  | --         | --                 | --                                     | --                                       | --             | 0.0023                    | 0.3        |
|                      |                      |                                     |            |                    |                                        |                                          |                |                           |            |
| <b>Cert Region</b>   |                      | California + CAA Section 177 states |            |                    | <b>Cert/In-Use Code</b>                |                                          |                | Both                      |            |
| <b>Vehicle Class</b> |                      | LDT2 (LVW 3751-5750, GVW 0-6000)    |            |                    | <b>Standard Level</b>                  |                                          |                | California LEV-IV SULEV30 |            |
| <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                   | --                                  | --         | --                 | --                                     | --                                       | --             | 0.05                      | 12.5       |



## Certification Summary Information Report

|                                 |               |                                    |                |                              |        |                                        |  |
|---------------------------------|---------------|------------------------------------|----------------|------------------------------|--------|----------------------------------------|--|
| Test Group                      |               | VVGAJ02.0V3G                       |                | Evaporative/Refueling Family |        | VVGAR0157VEP                           |  |
| Evaporative/Refueling Standards |               |                                    |                |                              |        |                                        |  |
| Evaporative/Refueling Family    |               | VVGAR0157VEP                       |                | Cert Region                  |        | California + CAA Section 177 states    |  |
| Cert/In-Use Code                |               | Both                               |                | Standard Level               |        | California LEV-IV 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-TOTAL-EQUIV                     | --             | 0.20                         | 0.009  |                                        |  |
|                                 |               |                                    |                |                              |        |                                        |  |
| Evaporative/Refueling Family    |               | VVGAR0157VEP                       |                | Cert Region                  |        | California + CAA Section 177 states    |  |
| Cert/In-Use Code                |               | Both                               |                | Standard Level               |        | California LEV-IV 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                     | --             | 0.300                        | 0      |                                        |  |
|                                 |               |                                    |                |                              |        |                                        |  |
| Evaporative/Refueling Family    |               | VVGAR0157VEP                       |                | Cert Region                  |        | Federal                                |  |
| Cert/In-Use Code                |               | Both                               |                | Standard Level               |        | Federal Tier 3 Evap                    |  |
| Test Procedure                  |               | Evap Canister Bleed Test           |                |                              |        |                                        |  |
| Fuel                            | Useful Life   | Emission Name                      | Rounded Result | Std                          | Add DF |                                        |  |
| Gasoline                        | 150,000 miles | HC-TOTAL-EQUIV                     | --             | 0.020                        | --     |                                        |  |
|                                 |               |                                    |                |                              |        |                                        |  |
| Evaporative/Refueling Family    |               | VVGAR0157VEP                       |                | 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                     | --             | 0.300                        | 0      |                                        |  |
|                                 |               |                                    |                |                              |        |                                        |  |
| Evaporative/Refueling Family    |               | VVGAR0157VEP                       |                | Cert Region                  |        | California + CAA Section 177 states    |  |
| Cert/In-Use Code                |               | Both                               |                | Standard Level               |        | California LEV-IV 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                     | --             | 0.300                        | 0.0512 |                                        |  |
|                                 |               |                                    |                |                              |        |                                        |  |

## Certification Summary Information Report

|                              |               |                                    |                |                              |        |                                        |  |
|------------------------------|---------------|------------------------------------|----------------|------------------------------|--------|----------------------------------------|--|
| Test Group                   |               | VVG AJ02.0V3G                      |                | Evaporative/Refueling Family |        | VVGAR0157VEP                           |  |
| Evaporative/Refueling Family |               | VVGAR0157VEP                       |                | 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-TOTAL-EQUIV                     | --             | 0.20                         | 0.009  |                                        |  |
|                              |               |                                    |                |                              |        |                                        |  |
| Evaporative/Refueling Family |               | VVGAR0157VEP                       |                | 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                     | --             | 0.300                        | 0.0512 |                                        |  |
|                              |               |                                    |                |                              |        |                                        |  |
| Evaporative/Refueling Family |               | VVGAR0157VEP                       |                | Cert Region                  |        | California + CAA Section 177 states    |  |
| Cert/In-Use Code             |               | Both                               |                | Standard Level               |        | California LEV-IV 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      |                                        |  |
|                              |               |                                    |                |                              |        |                                        |  |
| Evaporative/Refueling Family |               | VVGAR0157VEP                       |                | 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      |                                        |  |
|                              |               |                                    |                |                              |        |                                        |  |
| Evaporative/Refueling Family |               | VVGAR0157VEP                       |                | Cert Region                  |        | California + CAA Section 177 states    |  |
| Cert/In-Use Code             |               | Both                               |                | Standard Level               |        | California LEV-IV Zero Evap (Option 2) |  |
| Test Procedure               |               | Evap Canister Bleed Test           |                |                              |        |                                        |  |
| Fuel                         | Useful Life   | Emission Name                      | Rounded Result | Std                          | Add DF |                                        |  |
| Gasoline                     | 150,000 miles | HC-TOTAL-EQUIV                     | --             | 0.020                        | --     |                                        |  |

## Certification Summary Information Report

| Test Group           |                                                                 | VVG AJ02.0V3G      | Evaporative/Refueling Family                       | VVG AR0157VEP |
|----------------------|-----------------------------------------------------------------|--------------------|----------------------------------------------------|---------------|
| 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                             |                                                            | VVGAJ02.0V3G | Evaporative/Refueling Family |                                                 | VVGAR0157VEP |
|----------------------------------------|------------------------------------------------------------|--------------|------------------------------|-------------------------------------------------|--------------|
| 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                    |                                                                   | VVGAJ02.0V3G | Evaporative/Refueling Family                             |                            | VVGAR0157VEP |
|-------------------------------|-------------------------------------------------------------------|--------------|----------------------------------------------------------|----------------------------|--------------|
| 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

| Test Group                    |                                 | VVGAJ02.0V3G | Evaporative/Refueling Family |                                  | VVGAR0157VEP |
|-------------------------------|---------------------------------|--------------|------------------------------|----------------------------------|--------------|
| F                             | 2-Wheel Drive, Front            |              | A                            | All Wheel Drive                  |              |
| R                             | 2-Wheel Drive, Rear             |              |                              |                                  |              |
| Additional Terms and Acronyms |                                 |              |                              |                                  |              |
| AFC                           | Alternative Fuel Converter      |              | ICI                          | Independent Commercial Importer  |              |
| CSI                           | Certificate Summary Information |              | ORVR                         | Onboard Refueling Vapor Recovery |              |
| DF                            | Deterioration Factor            |              | SIL                          | Shift Indicator Light            |              |
| Evap                          | Evaporation, Evaporative        |              | Trans                        | Transmission                     |              |