

## Certification Summary Information Report

|                                   |                    |                                     |                        |
|-----------------------------------|--------------------|-------------------------------------|------------------------|
| <b>Manufacturer</b>               | Ford Motor Company | <b>Manufacturer Code</b>            | FMX                    |
| <b>Test Group</b>                 | VFMXD07.373K       | <b>Evaporative/Refueling Family</b> | VFMXR0250NHJ           |
| <b>Certificate Number</b>         | VFMXD07.373K-020   | <b>CARB Executive Order #</b>       | --                     |
| <b>Certificate Issue Date</b>     | 07/10/2026         | <b>Certificate Revision Date</b>    | --                     |
| <b>Certificate Effective Date</b> | 07/10/2026         | <b>Conditional Certificate</b>      | No                     |
| <b>CSI Revision #</b>             | --                 | <b>CSI Submission/Revision Date</b> | 04/13/2026 01:53:29 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 | Multipoint/sequential 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>                                   | M7, HDV2     |
| <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> | No           |
| <b>Durability Group Name</b>                        | VFMXGPGNND7A           | <b>Durability Group Equivalency Factor</b>                 | 1.0          |
| <b>Reduced Fee Test Group</b>                       | No                     | <b>Certification Region Code(s)</b>                        | FA, CA       |
| <b>Complies with HD GHG 2b/3 regulations?</b>       | Yes                    |                                                            |              |
| <b>Introduction into Commerce Date</b>              | 09/21/2026             | <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>                     | Yes          |
| <b>SFTP LEV-III Composite Compliance Indicator</b>  | Yes                    |                                                            |              |
| <b>OBD Compliance Type</b>                          | CARB                   | <b>OBD Demonstration Vehicle Test Group</b>                | VFMXD07.373K |
| <b>Test Group OBD Compliance Level</b>              | Full - no deficiencies | <b>Number of Test Group OBD Deficiencies</b>               | 0            |
| <b>OBD Deficiencies Comments</b>                    | --                     |                                                            |              |
| <b>Mfr Test Group Comments</b>                      | --                     |                                                            |              |
| <b>Mfr Exhaust / Evap Standards Comments</b>        | --                     |                                                            |              |

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|                                                                             |                                                  |                                                           |                                     |                         |                     |                     |                       |
|-----------------------------------------------------------------------------|--------------------------------------------------|-----------------------------------------------------------|-------------------------------------|-------------------------|---------------------|---------------------|-----------------------|
| <b>Test Group</b>                                                           | VFMXD07.373K                                     | <b>Evaporative/Refueling Family</b>                       | VFMXR0250NHJ                        |                         |                     |                     |                       |
| <b>Evaporative/Refueling Family Information</b>                             |                                                  |                                                           |                                     |                         |                     |                     |                       |
| <b>Evaporative Summary Information Type</b>                                 | New                                              | <b>Submission/Correction Date</b>                         | 02/25/2026 10:24:33 AM              |                         |                     |                     |                       |
| <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>                     | Plastic                             |                         |                     |                     |                       |
| <b>Fill Pipe Seal Type</b>                                                  | Liquid seal                                      |                                                           |                                     |                         |                     |                     |                       |
| <b>Air Intake System Vapor Storage Device?</b>                              | Yes                                              | <b>Air Intake System Vapor Storage Device Description</b> | Hydrocarbon Trap                    |                         |                     |                     |                       |
| <b>Fuel System Vapor Storage Canister?</b>                                  | Yes                                              | <b>Other Vapor Storage</b>                                | 1 X 3.7L HA + 2x0.048L BLEED        |                         |                     |                     |                       |
| <b>Fuel System Vapor Storage Canister(s) Total Working Capacity (grams)</b> | 250                                              | <b>Number of Primary Canisters</b>                        | 1                                   |                         |                     |                     |                       |
| <b>Number of Bleed Canisters</b>                                            | 2                                                | <b>Bleed Canister Total Working Capacity (grams)</b>      | 2                                   |                         |                     |                     |                       |
| <b>Mfr Evaporative/Refueling Family Comments</b>                            | 1 X 3.7L HA 3-port Rect. + 2 X 0.048L Bleed      |                                                           |                                     |                         |                     |                     |                       |
| <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>      |                         |                     |                     |                       |
| VFMXR0250NHJ-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> |
| Ford Motor Company                                                          | 1 - Ford                                         | 192 - F350 PICKUP 4WD                                     | Federal                             | Part-time 4-Wheel Drive | Semi-Automatic      | 10                  | Yes                   |
| Ford Motor Company                                                          | 1 - Ford                                         | 115 - F250 PICKUP 2WD                                     | Federal                             | 2-Wheel Drive, Rear     | Semi-Automatic      | 10                  | Yes                   |
| Ford Motor Company                                                          | 1 - Ford                                         | 190 - F350 PICKUP 2WD                                     | California + CAA Section 177 states | 2-Wheel Drive, Rear     | Semi-Automatic      | 10                  | Yes                   |
| Ford Motor Company                                                          | 1 - Ford                                         | 115 - F250 PICKUP 2WD                                     | California + CAA Section 177 states | 2-Wheel Drive, Rear     | Semi-Automatic      | 10                  | Yes                   |
| Ford Motor Company                                                          | 1 - Ford                                         | 192 - F350 PICKUP 4WD                                     | California + CAA Section 177 states | Part-time 4-Wheel Drive | Semi-Automatic      | 10                  | Yes                   |
| Ford Motor Company                                                          | 1 - Ford                                         | 130 - F250 PICKUP 4WD                                     | Federal                             | Part-time 4-Wheel Drive | Semi-Automatic      | 10                  | Yes                   |
| Ford Motor Company                                                          | 1 - Ford                                         | 190 - F350 PICKUP 2WD                                     | Federal                             | 2-Wheel Drive, Rear     | Semi-Automatic      | 10                  | Yes                   |
| Ford Motor Company                                                          | 1 - Ford                                         | 130 - F250 PICKUP 4WD                                     | California + CAA Section 177 states | Part-time 4-Wheel Drive | Semi-Automatic      | 10                  | Yes                   |

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|                                                  |                         |                                                          |                           |                               |
|--------------------------------------------------|-------------------------|----------------------------------------------------------|---------------------------|-------------------------------|
| <b>Test Group</b>                                | VFMXD07.373K            | <b>Evaporative/Refueling Family</b>                      | VFMXR0250NHJ              |                               |
| <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>                  | V-shaped engine         | <b>Mfr Engine Block Arrangement Description</b>          | V-shaped engine           |                               |
| <b>Camless Valvetrain Indicator</b>              | No                      | <b>Oil Viscosity/Classification</b>                      | SAE 5W-30 / ILSAC GF-7    |                               |
| <b>Number of Cylinders/Rotors</b>                | 8                       | <b>Mechanically Variable Compression Ratio Indicator</b> | N                         |                               |
| <b>After Treatment Device(s) (ATD)</b>           |                         |                                                          |                           |                               |
| <b>ATD Number</b>                                | <b>ATD Type</b>         | <b>ATD Precious Metal</b>                                | <b>Substrate Material</b> | <b>Substrate Construction</b> |
| 1                                                | Three-way catalyst      | Palladium + Rhodium                                      | Ceramic                   | Monolith                      |
| 2                                                | Three-way catalyst      | Palladium + Rhodium                                      | Ceramic                   | Monolith                      |
| <b>Mfr After Treatment Device (ATD) Comments</b> |                         |                                                          |                           |                               |
| 2TWC                                             |                         |                                                          |                           |                               |
| <b>Direct Ozone Reduction (DOR) Device</b>       |                         |                                                          |                           |                               |
| Not Equipped                                     |                         |                                                          |                           |                               |
| <b>Mfr Emission Control Device Comments</b>      |                         |                                                          |                           |                               |
| --                                               |                         |                                                          |                           |                               |
| <b>Engine Configuration Number 1</b>             |                         |                                                          |                           |                               |
| <b>Engine Displacement (liters)</b>              | 7.3                     | <b>Engine Rated Horsepower</b>                           | 412                       |                               |
| <b>Number of Inlet Valves Per Cylinder</b>       | 1                       | <b>Number of Exhaust Valves Per Cylinder</b>             | 1                         |                               |
| <b>Air Aspiration Method</b>                     | Naturally Aspirated     | <b>Number of Air Aspiration Devices</b>                  | --                        |                               |
| <b>Air Aspiration Device Configuration</b>       | --                      | <b>Charge Air Cooler Type</b>                            | N/A                       |                               |
| <b>Air Aspiration Drive Method(s)</b>            | --                      |                                                          |                           |                               |
| <b>Cylinder Deactivation</b>                     | No                      |                                                          |                           |                               |
| <b>Cylinder Deactivation Description</b>         | --                      |                                                          |                           |                               |
| <b>Variable Valve Timing</b>                     | Yes                     |                                                          |                           |                               |
| <b>Variable Valve Timing System Description</b>  | Oil pressure actuated   |                                                          |                           |                               |
| <b>Variable Valve Lift?</b>                      | No                      |                                                          |                           |                               |
| <b>Variable Valve Lift System Description</b>    | --                      |                                                          |                           |                               |
| <b>Number of Knock Sensors</b>                   | 4                       | <b>Number of Air/Fuel Sensors</b>                        | 4                         |                               |
| <b>Air/Fuel Sensor # 1 Type</b>                  | Heated oxygen           | <b>Air/Fuel Sensor # 1 Description</b>                   | --                        |                               |
| <b>Air/Fuel Sensor # 2 Type</b>                  | Heated oxygen           | <b>Air/Fuel Sensor # 2 Description</b>                   | --                        |                               |
| <b>Air/Fuel Sensor # 3 Type</b>                  | Other                   | <b>Air/Fuel Sensor # 3 Description</b>                   | WR-HO2S                   |                               |
| <b>Air/Fuel Sensor # 4 Type</b>                  | Other                   | <b>Air/Fuel Sensor # 4 Description</b>                   | WR-HO2S                   |                               |
| <b>Mfr Air/Fuel Sensor Comments</b>              | --                      |                                                          |                           |                               |
| <b>Exhaust Gas Recirculation</b>                 | No                      | <b>Cooled Exhaust Gas Recirculation</b>                  | No                        |                               |
| <b>EGR Type</b>                                  | --                      | <b>Exhaust Gas Recirculation Description if 'Other'</b>  | --                        |                               |
| <b>Closed Loop Air Injection System</b>          | No                      |                                                          |                           |                               |
| <b>Air Injection Type</b>                        | Not Applicable          | <b>Air Injection Type if 'Other'</b>                     | --                        |                               |
| <b>Mfr Engine Configuration Comments</b>         | --                      |                                                          |                           |                               |

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|                       |  |              |              |              |         |                              |                       |                           |                          |                              |                       |
|-----------------------|--|--------------|--------------|--------------|---------|------------------------------|-----------------------|---------------------------|--------------------------|------------------------------|-----------------------|
| Test Group            |  | VFMXD07.373K |              |              |         | Evaporative/Refueling Family |                       |                           | VFMXR0250NHJ             |                              |                       |
| Official Test Numbers |  |              |              |              |         |                              |                       |                           |                          |                              |                       |
| Test Group Fuel       |  | FTP          | US06         | SC03         | Cold CO | Highway                      | EPA City Litmus Value | EPA City Litmus Threshold | EPA Highway Litmus Value | EPA Highway Litmus Threshold | CREE Weighting Factor |
| Gasoline              |  | VFMX10093250 | VFMX10093253 | VFMX10093254 | --      | VFMX10093252                 | --                    | 8                         | --                       | 10.8                         | 1                     |

|                                    |  |              |              |              |
|------------------------------------|--|--------------|--------------|--------------|
| SFTP LEV-III Official Test Numbers |  |              |              |              |
| Test Group Fuel                    |  | FTP          | US06         | SC03         |
| Gasoline                           |  | VFMX10093250 | VFMX10093253 | VFMX10093254 |

## Certification Summary Information Report

|                   |              |                                     |              |
|-------------------|--------------|-------------------------------------|--------------|
| <b>Test Group</b> | VFMXD07.373K | <b>Evaporative/Refueling Family</b> | VFMXR0250NHJ |
|-------------------|--------------|-------------------------------------|--------------|

  
**Emission Data Vehicle Information**

|                                         |                  |                                                  |              |
|-----------------------------------------|------------------|--------------------------------------------------|--------------|
| <b>Vehicle ID / Configuration</b>       | LFE1-6.2-571 / 0 | <b>Manufacturer Vehicle Configuration Number</b> | 0            |
| <b>Original Test Group Name</b>         | LFMXD06.26CH     | <b>Original Evaporative/Refueling Family</b>     | LFMXR0250NHJ |
| <b>Original Test Vehicle Model Year</b> | 2020             |                                                  |              |

**Vehicle Model**

|                                      |      |                                       |          |
|--------------------------------------|------|---------------------------------------|----------|
| <b>Represented Test Vehicle Make</b> | Ford | <b>Represented Test Vehicle Model</b> | F350 4x4 |
|--------------------------------------|------|---------------------------------------|----------|

  
**Leak Family Details**

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

  
**Drive Sources and Fuel System Details**

| Drive Source and Fuel# | Drive Source      | Fuel              |
|------------------------|-------------------|-------------------|
| 1                      | Combustion Engine | Ethanol, Gasoline |

  

|                                           |                                                                                                 |                                                       |                          |
|-------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------|--------------------------|
| <b>Hybrid Indicator</b>                   | No                                                                                              |                                                       |                          |
| <b>Multiple Fuel Storage</b>              | Fuels Stored Together                                                                           | <b>Multiple Fuel Combustion</b>                       | Fuels Combusted Together |
| <b>Fuel Cell Indicator</b>                | --                                                                                              | <b>Rechargeable Energy Storage System Indicator</b>   | --                       |
| <b>Rechargeable Energy Storage System</b> | --                                                                                              | <b>Rechargeable Energy Storage System, if 'Other'</b> | --                       |
| <b>Off-board charge Capable Indicator</b> | --                                                                                              |                                                       |                          |
| <b>Odometer Correction -- Initial</b>     | 0                                                                                               | <b>Odometer Correction Factor</b>                     | 1.03                     |
| <b>Odometer Correction Sign</b>           | - = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor |                                                       |                          |
| <b>Odometer Correction Units</b>          | Miles                                                                                           |                                                       |                          |
| <b>Engine Code</b>                        | LTFER4NE05                                                                                      | <b>Rated Horsepower</b>                               | 383                      |
| <b>Displacement (liters)</b>              | 6.2                                                                                             |                                                       |                          |
| <b>Air Aspiration Method</b>              | Naturally Aspirated                                                                             | <b>Air Aspiration Method, if 'Other'</b>              |                          |
| <b>Number of Air Aspiration Devices</b>   | --                                                                                              | <b>Air Aspiration Device Configuration</b>            | --                       |
| <b>Charge Air Cooler Type</b>             | N/A                                                                                             | <b>Drive Mode While Testing</b>                       | 2-Wheel Drive, Rear      |
| <b>Shift Indicator Light Usage</b>        | Not equipped                                                                                    | <b>Aged Emission Components</b>                       | 4,000 (mi)               |
| <b>Curb Weight (lbs)</b>                  | 8742                                                                                            | <b>Equivalent Test Weight (pounds)</b>                | 9500                     |
| <b>GVWR (lbs)</b>                         | 10000                                                                                           | <b>N/V Ratio</b>                                      | 30                       |
| <b>Axle Ratio</b>                         | 4.3                                                                                             |                                                       |                          |
| <b>Transmission Type</b>                  | Semi-Automatic                                                                                  | <b># of Transmission Gears</b>                        | 10                       |
| <b>Transmission Lockup</b>                | Yes                                                                                             | <b>Creep Gear</b>                                     | No                       |

  
**Dynamometer Coefficients:**

| Target Coefficients  |         |             | Set Coefficients |         |             | EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients |      |
|----------------------|---------|-------------|------------------|---------|-------------|-------------------------------------------------------------------------------|------|
| Coefficient Category | A (lbf) | B (lbf/mph) | C (lbf/mph**2)   | A (lbf) | B (lbf/mph) | C (lbf/mph**2)                                                                |      |
| City/Highway/Evap    | 72.06   | 1.1573      | 0.11685          | 32.64   | 1.1379      | 0.11449                                                                       | 56.3 |

  
**Emission Control Device Comments** T20-0279-01

## Certification Summary Information Report

|                                    |                        |                              |              |
|------------------------------------|------------------------|------------------------------|--------------|
| Test Group                         | VFMXD07.373K           | Evaporative/Refueling Family | VFMXR0250NHJ |
| Manufacturer Test Vehicle Comments | F-350 Crew Cab 4x4 SRW |                              |              |

## Certification Summary Information Report

| Test Group                                     | VFMXD07.373K                        | Evaporative/Refueling Family          | VFMXR0250NHJ                                        |
|------------------------------------------------|-------------------------------------|---------------------------------------|-----------------------------------------------------|
| <b>Test #</b>                                  | <b>LFMX10061479</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>                               | 08/16/2019                          | <b>Fuel</b>                           | N/A                                                 |
| <b>Fuel Batch ID</b>                           | 373-B                               | <b>Fuel Calibration Number</b>        | 43                                                  |
| <b>Vehicle Class</b>                           | N/A                                 | <b>DF Type</b>                        | Mfr. Determined                                     |
| <b>Verify Test Lab ID</b>                      | APTL                                |                                       |                                                     |
| <b>E10 Evaporative Test Measurement Method</b> | --                                  |                                       |                                                     |
| <b>Test Start Odometer Reading</b>             | 3846                                | <b>Odometer Units</b>                 | M                                                   |
| <b>4WD Test Dyno</b>                           | No                                  | <b>Diesel Adjustment Factor Usage</b> | --                                                  |
| <b>State of Charge Delta</b>                   | --                                  |                                       |                                                     |
| <b>Drive Cycle Speed Tolerance Criteria</b>    | Used Part 86 (+/- 2 mph, +/- 1 sec) | <b>Road Speed Fan Usage</b>           | No                                                  |

## Test Results

| Test Result Name                                            | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |
|-------------------------------------------------------------|-----------------------|----------------------------------------------------------|
| CO2 BAG 1 (Bag 1 Carbon Dioxide)                            | 1118.02926            | --                                                       |
| FE BAG 1 (Bag 1 Fuel Economy)                               | 7.74407               | 7.74407                                                  |
| CO2 BAG 2 (Bag 2 Carbon Dioxide)                            | 901.32042             | --                                                       |
| FE BAG 2 (Bag 2 Fuel Economy)                               | 9.64241               | 9.64241                                                  |
| CO2 BAG 3 (Bag 3 Carbon Dioxide)                            | 1005.96863            | --                                                       |
| FE BAG 3 (Bag 3 Fuel Economy)                               | 8.6386                | 8.6386                                                   |
| METHANE (CH4 - Methane)                                     | 0.01126               | --                                                       |
| CO (Carbon Monoxide)                                        | 2.16061               | --                                                       |
| METHANE-COMB (Combined CH4 for HD 2b/3 vehicles only)       | 0.0068                | --                                                       |
| N2O-COMB (Combined Nitrous Oxide for HD 2b/3 vehicles only) | 0.0012                | --                                                       |
| DT-ASCR (Drive Trace Absolute Speed Change Rating)          | -0.841614             | --                                                       |
| DT-EER (Drive Trace Energy Economy Rating)                  | -0.422446             | --                                                       |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating)             | -1.26611              | --                                                       |
| MFR FE (Manufacturer Fuel Economy)                          | 8.90406               | 8.90406                                                  |
| NOX (Nitrogen Oxide)                                        | 0.02157               | --                                                       |
| N2O (Nitrous Oxide)                                         | 0.00187               | --                                                       |
| HC-NM (Non-methane Hydrocarbon)                             | 0.0493769             | --                                                       |
| NMOG (Non-methane organic gases)                            | 0.05422               | --                                                       |
| HC-TOTAL (Total Hydrocarbon)                                | 0.05908               | --                                                       |

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|                   |              |                                     |              |
|-------------------|--------------|-------------------------------------|--------------|
| <b>Test Group</b> | VFMXD07.373K | <b>Evaporative/Refueling Family</b> | VFMXR0250NHJ |
|-------------------|--------------|-------------------------------------|--------------|

  

|                                                  |                              |                                        |
|--------------------------------------------------|------------------------------|----------------------------------------|
| <b>Test Result Name</b>                          | <b>Unrounded Test Result</b> | <b>Verify Calculated CREE/OPT-CREE</b> |
| <b>Carbon-Related Exhaust Emissions</b>          | 978.5723                     | 999                                    |
| <b>Optional Carbon-Related Exhaust Emissions</b> | 979.3919                     | 999                                    |

  

|                         |                              |                              |
|-------------------------|------------------------------|------------------------------|
| <b>Test Result Name</b> | <b>Unrounded Test Result</b> | <b>Verify Calculated CO2</b> |
| <b>Carbon dioxide</b>   | 974.93732                    | --                           |

  

**Manufacturer Test Comments**      NMOG = 1.1 \* NMHC<sub>r</sub>

  

|                                                |                                            |                                       |                                                    |
|------------------------------------------------|--------------------------------------------|---------------------------------------|----------------------------------------------------|
| <b>Test #</b>                                  | <b>LFMX10061480</b>                        | <b>Test Procedure</b>                 | <b>34 - Federal fuel 3-day evap</b>                |
| <b>Exhaust Test # for this Evap Test</b>       | LFMX10061479                               | <b>Test Fuel Type</b>                 | 48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.) |
| <b>Test Date</b>                               | 09/13/2019                                 | <b>Fuel</b>                           | Gasoline                                           |
| <b>Fuel Batch ID</b>                           | --                                         | <b>Fuel Calibration Number</b>        | --                                                 |
| <b>Vehicle Class</b>                           | N/A                                        | <b>DF Type</b>                        | Mfr. Determined                                    |
| <b>Verify Test Lab ID</b>                      | APTL                                       |                                       |                                                    |
| <b>E10 Evaporative Test Measurement Method</b> | Calculated (1.08 x FID Total Hydrocarbons) |                                       |                                                    |
| <b>Test Start Odometer Reading</b>             | 4001                                       | <b>Odometer Units</b>                 | M                                                  |
| <b>4WD Test Dyno</b>                           | No                                         | <b>Diesel Adjustment Factor Usage</b> | --                                                 |
| <b>State of Charge Delta</b>                   | --                                         |                                       |                                                    |
| <b>Drive Cycle Speed Tolerance Criteria</b>    | Used Part 86 (+/- 2 mph, +/- 1 sec)        | <b>Road Speed Fan Usage</b>           | --                                                 |

  

**Test Results**

|                                                                  |                              |                                                                 |
|------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|
| <b>Test Result Name</b>                                          | <b>Unrounded Test Result</b> | <b>Verify Calculated FE Equivalent Value (miles per gallon)</b> |
| <b>OMHCE (Organic material Hydrocarbon Equivalent)</b>           | 0.3521                       | --                                                              |
| <b>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</b> | 0.3521                       | --                                                              |

  

**Manufacturer Test Comments**      3-Day

  

| 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 | 0.3521         | 0      | 0.352               | 0.6      | Pass      |
| CA                   | 150,000 miles | California LEV-III Zero Evap (Option 2) | OMHCE          | 0.3521         | 0      | 0.352               | 0.6      | Pass      |

## Certification Summary Information Report

| Test Group                                     | VFMXD07.373K                               | Evaporative/Refueling Family          | VFMXR0250NHJ                                       |
|------------------------------------------------|--------------------------------------------|---------------------------------------|----------------------------------------------------|
| <b>Test #</b>                                  | <b>LFMX10061483</b>                        | <b>Test Procedure</b>                 | <b>23 - 2-day evap</b>                             |
| <b>Exhaust Test # for this Evap Test</b>       | LFMX10061479                               | <b>Test Fuel Type</b>                 | 48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.) |
| <b>Test Date</b>                               | 08/16/2019                                 | <b>Fuel</b>                           | Gasoline                                           |
| <b>Fuel Batch ID</b>                           | --                                         | <b>Fuel Calibration Number</b>        | --                                                 |
| <b>Vehicle Class</b>                           | N/A                                        | <b>DF Type</b>                        | Mfr. Determined                                    |
| <b>Verify Test Lab ID</b>                      | APTL                                       |                                       |                                                    |
| <b>E10 Evaporative Test Measurement Method</b> | Calculated (1.08 x FID Total Hydrocarbons) |                                       |                                                    |
| <b>Test Start Odometer Reading</b>             | 3846                                       | <b>Odometer Units</b>                 | M                                                  |
| <b>4WD Test Dyno</b>                           | No                                         | <b>Diesel Adjustment Factor Usage</b> | --                                                 |
| <b>State of Charge Delta</b>                   | No                                         |                                       |                                                    |
| <b>Drive Cycle Speed Tolerance Criteria</b>    | Used Part 86 (+/- 2 mph, +/- 1 sec)        | <b>Road Speed Fan Usage</b>           | No                                                 |

## Test Results

| Test Result Name                                                 | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |
|------------------------------------------------------------------|-----------------------|----------------------------------------------------------|
| <b>OMHCE (Organic material Hydrocarbon Equivalent)</b>           | 0.2307                | --                                                       |
| <b>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</b> | 0.2307                | --                                                       |

## Manufacturer Test Comments

Measured NMOG

| 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 | 0.2307         | 0      | 0.231               | 0.6      | Pass      |
| CA                   | 150,000 miles | California LEV-III Zero Evap (Option 2) | OMHCE          | 0.2307         | 0      | 0.231               | 0.6      | Pass      |

## Certification Summary Information Report

| Test Group                                                                                                                                                                                                                                                                                                                                                                                                                | VFMXD07.373K                                                      | Evaporative/Refueling Family                             | VFMXR0250NHJ                                            |                       |                       |                                                          |                                                        |                  |    |                                                                  |       |    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|-----------------------|-----------------------|----------------------------------------------------------|--------------------------------------------------------|------------------|----|------------------------------------------------------------------|-------|----|
| <b>Test #</b>                                                                                                                                                                                                                                                                                                                                                                                                             | <b>LFMX10061481</b>                                               | <b>Test Procedure</b>                                    | <b>24 - Federal fuel refueling test (ORVR)</b>          |                       |                       |                                                          |                                                        |                  |    |                                                                  |       |    |
| <b>Exhaust Test # for this Evap Test</b>                                                                                                                                                                                                                                                                                                                                                                                  | LFMX10061479                                                      | <b>Test Fuel Type</b>                                    | 59 - Tier 3 E10 Premium Gasoline (10 RVP-FFV ORVR Only) |                       |                       |                                                          |                                                        |                  |    |                                                                  |       |    |
| <b>Test Date</b>                                                                                                                                                                                                                                                                                                                                                                                                          | 08/28/2019                                                        | <b>Fuel</b>                                              | Gasoline                                                |                       |                       |                                                          |                                                        |                  |    |                                                                  |       |    |
| <b>Fuel Batch ID</b>                                                                                                                                                                                                                                                                                                                                                                                                      | --                                                                | <b>Fuel Calibration Number</b>                           | --                                                      |                       |                       |                                                          |                                                        |                  |    |                                                                  |       |    |
| <b>Vehicle Class</b>                                                                                                                                                                                                                                                                                                                                                                                                      | N/A                                                               | <b>DF Type</b>                                           | Mfr. Determined                                         |                       |                       |                                                          |                                                        |                  |    |                                                                  |       |    |
| <b>Verify Test Lab ID</b>                                                                                                                                                                                                                                                                                                                                                                                                 | APTL                                                              |                                                          |                                                         |                       |                       |                                                          |                                                        |                  |    |                                                                  |       |    |
| <b>E10 Evaporative Test Measurement Method</b>                                                                                                                                                                                                                                                                                                                                                                            | Actual Total Hydrocarbon Equivalent Measurement (with speciation) |                                                          |                                                         |                       |                       |                                                          |                                                        |                  |    |                                                                  |       |    |
| <b>Test Start Odometer Reading</b>                                                                                                                                                                                                                                                                                                                                                                                        | 3909                                                              | <b>Odometer Units</b>                                    | M                                                       |                       |                       |                                                          |                                                        |                  |    |                                                                  |       |    |
| <b>4WD Test Dyno</b>                                                                                                                                                                                                                                                                                                                                                                                                      | No                                                                | <b>Diesel Adjustment Factor Usage</b>                    | --                                                      |                       |                       |                                                          |                                                        |                  |    |                                                                  |       |    |
| <b>State of Charge Delta</b>                                                                                                                                                                                                                                                                                                                                                                                              | --                                                                |                                                          |                                                         |                       |                       |                                                          |                                                        |                  |    |                                                                  |       |    |
| <b>Drive Cycle Speed Tolerance Criteria</b>                                                                                                                                                                                                                                                                                                                                                                               | Used Part 86 (+/- 2 mph, +/- 1 sec)                               | <b>Road Speed Fan Usage</b>                              | No                                                      |                       |                       |                                                          |                                                        |                  |    |                                                                  |       |    |
| <b>Test Results</b>                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                   |                                                          |                                                         |                       |                       |                                                          |                                                        |                  |    |                                                                  |       |    |
| <table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value (miles per gallon)</th> </tr> </thead> <tbody> <tr> <td><b>OMHCE (Organic material Hydrocarbon Equivalent)</b></td> <td>0.037</td> <td>--</td> </tr> <tr> <td><b>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</b></td> <td>0.037</td> <td>--</td> </tr> </tbody> </table> |                                                                   |                                                          |                                                         | Test Result Name      | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) | <b>OMHCE (Organic material Hydrocarbon Equivalent)</b> | 0.037            | -- | <b>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</b> | 0.037 | -- |
| Test Result Name                                                                                                                                                                                                                                                                                                                                                                                                          | Unrounded Test Result                                             | Verify Calculated FE Equivalent Value (miles per gallon) |                                                         |                       |                       |                                                          |                                                        |                  |    |                                                                  |       |    |
| <b>OMHCE (Organic material Hydrocarbon Equivalent)</b>                                                                                                                                                                                                                                                                                                                                                                    | 0.037                                                             | --                                                       |                                                         |                       |                       |                                                          |                                                        |                  |    |                                                                  |       |    |
| <b>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</b>                                                                                                                                                                                                                                                                                                                                                          | 0.037                                                             | --                                                       |                                                         |                       |                       |                                                          |                                                        |                  |    |                                                                  |       |    |
| <b>Manufacturer Test Comments</b>                                                                                                                                                                                                                                                                                                                                                                                         |                                                                   |                                                          |                                                         |                       |                       |                                                          |                                                        |                  |    |                                                                  |       |    |
| ORVR Test                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                   |                                                          |                                                         |                       |                       |                                                          |                                                        |                  |    |                                                                  |       |    |
| <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                                          | 0.037                 | 0.003                 | 0.04                                                     | 0.2                                                    | Pass             |    |                                                                  |       |    |
| CA                                                                                                                                                                                                                                                                                                                                                                                                                        | 150,000 miles                                                     | California LEV-III Zero Evap (Option 2)                  | OMHCE                                                   | 0.037                 | 0.003                 | 0.04                                                     | 0.2                                                    | Pass             |    |                                                                  |       |    |

## Certification Summary Information Report

| Test Group                                     | VFMXD07.373K                               | Evaporative/Refueling Family          | VFMXR0250NHJ                                       |
|------------------------------------------------|--------------------------------------------|---------------------------------------|----------------------------------------------------|
| <b>Test #</b>                                  | <b>LFMX10061482</b>                        | <b>Test Procedure</b>                 | <b>32 - Federal Fuel Running Loss</b>              |
| <b>Exhaust Test # for this Evap Test</b>       | LFMX10061479                               | <b>Test Fuel Type</b>                 | 49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.) |
| <b>Test Date</b>                               | 09/13/2019                                 | <b>Fuel</b>                           | Gasoline                                           |
| <b>Fuel Batch ID</b>                           | --                                         | <b>Fuel Calibration Number</b>        | --                                                 |
| <b>Vehicle Class</b>                           | N/A                                        | <b>DF Type</b>                        | Mfr. Determined                                    |
| <b>Verify Test Lab ID</b>                      | APTL                                       |                                       |                                                    |
| <b>E10 Evaporative Test Measurement Method</b> | Calculated (1.08 x FID Total Hydrocarbons) |                                       |                                                    |
| <b>Test Start Odometer Reading</b>             | 4001                                       | <b>Odometer Units</b>                 | M                                                  |
| <b>4WD Test Dyno</b>                           | No                                         | <b>Diesel Adjustment Factor Usage</b> | --                                                 |
| <b>State of Charge Delta</b>                   | No                                         |                                       |                                                    |
| <b>Drive Cycle Speed Tolerance Criteria</b>    | Used Part 86 (+/- 2 mph, +/- 1 sec)        | <b>Road Speed Fan Usage</b>           | No                                                 |

## Test Results

| Test Result Name                                                 | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |
|------------------------------------------------------------------|-----------------------|----------------------------------------------------------|
| <b>OMHCE (Organic material Hydrocarbon Equivalent)</b>           | 0                     | --                                                       |
| <b>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</b> | 0                     | --                                                       |

## Manufacturer Test Comments

Runloss

| 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              | 0      | 0                   | 0.05     | Pass      |
| CA                   | 150,000 miles | California LEV-III Zero Evap (Option 2) | OMHCE          | 0              | 0      | 0                   | 0.05     | Pass      |

## Test Results

### Manufacturer Test Comments

BETP testing is THC only

| 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      | 0.0069         | 0      | 0.007               | 0.03     | Pass      |
| CA                   | 150,000 miles | California LEV-III<br>Zero Evap (Option 2) | HC-TOTAL      | 0.0069         | 0      | 0.007               | 0.03     | Pass      |

## Certification Summary Information Report

|                   |              |                                     |              |
|-------------------|--------------|-------------------------------------|--------------|
| <b>Test Group</b> | VFMXD07.373K | <b>Evaporative/Refueling Family</b> | VFMXR0250NHJ |
|-------------------|--------------|-------------------------------------|--------------|

  
**Emission Data Vehicle Information**

|                                         |                    |                                                  |              |
|-----------------------------------------|--------------------|--------------------------------------------------|--------------|
| <b>Vehicle ID / Configuration</b>       | VFH1-7.3-J-287 / 0 | <b>Manufacturer Vehicle Configuration Number</b> | 0            |
| <b>Original Test Group Name</b>         | VFMXD07.373K       | <b>Original Evaporative/Refueling Family</b>     | VFMXR0360NHJ |
| <b>Original Test Vehicle Model Year</b> | 2027               |                                                  |              |

**Vehicle Model**

|                                      |      |                                       |           |
|--------------------------------------|------|---------------------------------------|-----------|
| <b>Represented Test Vehicle Make</b> | Ford | <b>Represented Test Vehicle Model</b> | F-350 4x4 |
|--------------------------------------|------|---------------------------------------|-----------|

  
**Leak Family Details**

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

  
**Drive Sources and Fuel System Details**

| Drive Source and Fuel# | Drive Source      | Fuel     |
|------------------------|-------------------|----------|
| 1                      | Combustion Engine | Gasoline |

  

|                                           |                                                                                                 |                                                       |                     |
|-------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------|---------------------|
| <b>Hybrid Indicator</b>                   | No                                                                                              |                                                       |                     |
| <b>Multiple Fuel Storage</b>              | --                                                                                              | <b>Multiple Fuel Combustion</b>                       | --                  |
| <b>Fuel Cell Indicator</b>                | --                                                                                              | <b>Rechargeable Energy Storage System Indicator</b>   | --                  |
| <b>Rechargeable Energy Storage System</b> | --                                                                                              | <b>Rechargeable Energy Storage System, if 'Other'</b> | --                  |
| <b>Off-board charge Capable Indicator</b> | --                                                                                              |                                                       |                     |
| <b>Odometer Correction -- Initial</b>     | 0                                                                                               | <b>Odometer Correction Factor</b>                     | 1.03                |
| <b>Odometer Correction Sign</b>           | - = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor |                                                       |                     |
| <b>Odometer Correction Units</b>          | Miles                                                                                           |                                                       |                     |
| <b>Engine Code</b>                        | VTFHJ0NC00                                                                                      | <b>Rated Horsepower</b>                               | 412                 |
| <b>Displacement (liters)</b>              | 7.3                                                                                             |                                                       |                     |
| <b>Air Aspiration Method</b>              | Naturally Aspirated                                                                             | <b>Air Aspiration Method, if 'Other'</b>              |                     |
| <b>Number of Air Aspiration Devices</b>   | --                                                                                              | <b>Air Aspiration Device Configuration</b>            | --                  |
| <b>Charge Air Cooler Type</b>             | N/A                                                                                             | <b>Drive Mode While Testing</b>                       | 2-Wheel Drive, Rear |
| <b>Shift Indicator Light Usage</b>        | Not equipped                                                                                    | <b>Aged Emission Components</b>                       | 150,000 (mi)        |
| <b>Curb Weight (lbs)</b>                  | 7599                                                                                            | <b>Equivalent Test Weight (pounds)</b>                | 11000               |
| <b>GVWR (lbs)</b>                         | 14000                                                                                           | <b>N/V Ratio</b>                                      | 30                  |
| <b>Axle Ratio</b>                         | 4.3                                                                                             |                                                       |                     |
| <b>Transmission Type</b>                  | Semi-Automatic                                                                                  | <b># of Transmission Gears</b>                        | 10                  |
| <b>Transmission Lockup</b>                | Yes                                                                                             | <b>Creep Gear</b>                                     | No                  |

  
**Dynamometer Coefficients:**

| Target Coefficients      |         |             |                | Set Coefficients |             |                | EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients |
|--------------------------|---------|-------------|----------------|------------------|-------------|----------------|-------------------------------------------------------------------------------|
| Coefficient Category     | A (lbf) | B (lbf/mph) | C (lbf/mph**2) | A (lbf)          | B (lbf/mph) | C (lbf/mph**2) |                                                                               |
| <b>City/Highway/Evap</b> | 85.35   | 0.4866      | 0.05942        | 49.2             | 0.2953      | 0.0585         | 34.4                                                                          |
| <b>US06</b>              | 85.35   | 0.4866      | 0.05942        | 49.2             | 0.2953      | 0.0585         | N/A                                                                           |

## Certification Summary Information Report

|                                    |                        |                              |              |
|------------------------------------|------------------------|------------------------------|--------------|
| Test Group                         | VFMXD07.373K           | Evaporative/Refueling Family | VFMXR0250NHJ |
| Emission Control Device Comments   | --                     |                              |              |
| Manufacturer Test Vehicle Comments | F-350 Crew Cab 4x4 DRW |                              |              |

## Certification Summary Information Report

| Test Group                                     | VFMXD07.373K                                                                                 | Evaporative/Refueling Family          | VFMXR0250NHJ                                        |
|------------------------------------------------|----------------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------------------------|
| <b>Test #</b>                                  | <b>VFMX10093250</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>                               | 01/27/2026                                                                                   | <b>Fuel</b>                           | Gasoline                                            |
| <b>Fuel Batch ID</b>                           | 373-B                                                                                        | <b>Fuel Calibration Number</b>        | 126                                                 |
| <b>Vehicle Class</b>                           | HDV2 (Federal HD chassis Class 3 GVW 10001-14000), MDV7 (Cal. LEV 2/3/4 MDV GVW 10001-14000) | <b>DF Type</b>                        | Mfr. Determined                                     |
| <b>Verify Test Lab ID</b>                      | APTL                                                                                         |                                       |                                                     |
| <b>E10 Evaporative Test Measurement Method</b> | --                                                                                           |                                       |                                                     |
| <b>Test Start Odometer Reading</b>             | 3795                                                                                         | <b>Odometer Units</b>                 | M                                                   |
| <b>4WD Test Dyno</b>                           | No                                                                                           | <b>Diesel Adjustment Factor Usage</b> | --                                                  |
| <b>State of Charge Delta</b>                   | --                                                                                           |                                       |                                                     |
| <b>Drive Cycle Speed Tolerance Criteria</b>    | Used Part 86 (+/- 2 mph, +/- 1 sec)                                                          | <b>Road Speed Fan Usage</b>           | Yes                                                 |
| <b>Test Results</b>                            |                                                                                              |                                       |                                                     |

## Certification Summary Information Report

| Test Group                                         | VFMXD07.373K          | Evaporative/Refueling Family                             | VFMXR0250NHJ |
|----------------------------------------------------|-----------------------|----------------------------------------------------------|--------------|
| Test Result Name                                   | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) |              |
| CO2 BAG 1 (Bag 1 Carbon Dioxide)                   | 883.425928            | --                                                       |              |
| CO BAG 1 (Bag 1 Carbon Monoxide)                   | 4.0504                | --                                                       |              |
| FE BAG 1 (Bag 1 Fuel Economy)                      | 9.829817              | 9.829817                                                 |              |
| CH4 BAG 1 (Bag 1 Methane)                          | 0.0639096             | --                                                       |              |
| NMOG BAG 1 (Bag 1 Non-methane organic gases)       | 0.1883689             | --                                                       |              |
| CO2 BAG 2 (Bag 2 Carbon Dioxide)                   | 895.983024            | --                                                       |              |
| CO BAG 2 (Bag 2 Carbon Monoxide)                   | 0.5963                | --                                                       |              |
| FE BAG 2 (Bag 2 Fuel Economy)                      | 9.752419              | 9.752419                                                 |              |
| CH4 BAG 2 (Bag 2 Methane)                          | 0.0418509             | --                                                       |              |
| NMOG BAG 2 (Bag 2 Non-methane organic gases)       | 0.0253398             | --                                                       |              |
| CO2 BAG 3 (Bag 3 Carbon Dioxide)                   | 823.249487            | --                                                       |              |
| CO BAG 3 (Bag 3 Carbon Monoxide)                   | 1.1621                | --                                                       |              |
| FE BAG 3 (Bag 3 Fuel Economy)                      | 10.604829             | 10.604829                                                |              |
| CH4 BAG 3 (Bag 3 Methane)                          | 0.0316258             | --                                                       |              |
| NMOG BAG 3 (Bag 3 Non-methane organic gases)       | 0.0369886             | --                                                       |              |
| METHANE (CH4 - Methane)                            | 0.043616              | --                                                       |              |
| CO (Carbon Monoxide)                               | 1.467824              | --                                                       |              |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | 0.773667              | --                                                       |              |
| DT-EER (Drive Trace Energy Economy Rating)         | 0.311002              | --                                                       |              |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating)    | 1.17723               | --                                                       |              |
| HCHO (Formaldehyde)                                | 0.0006                | --                                                       |              |
| MFR FE (Manufacturer Fuel Economy)                 | 10                    | 10                                                       |              |
| NOX (Nitrogen Oxide)                               | 0.039895              | --                                                       |              |
| N2O (Nitrous Oxide)                                | 0.0154                | --                                                       |              |
| HC-NM (Non-methane Hydrocarbon)                    | 0.056871              | --                                                       |              |
| NMOG (Non-methane organic gases)                   | 0.062448              | --                                                       |              |
| PM (Particulate Matter)                            | 0.003077              | --                                                       |              |
| HC-TOTAL (Total Hydrocarbon)                       | 0.098066              | --                                                       |              |
| Test Result Name                                   | Unrounded Test Result | Verify Calculated CREE/OPT-CREE                          |              |
| Carbon-Related Exhaust Emissions                   | 876                   | 876                                                      |              |
| Optional Carbon-Related Exhaust Emissions          | 881                   | 881                                                      |              |

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## Certification Summary Information Report

| Test Group           |               | VFMXD07.373K                      |               |                | Evaporative/Refueling Family |                  |                          |        |         | VFMXR0250NHJ        |          |           |
|----------------------|---------------|-----------------------------------|---------------|----------------|------------------------------|------------------|--------------------------|--------|---------|---------------------|----------|-----------|
| 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 HD Class 3 Bin 230 | CO            | 1.47           | --                           | --               | --                       | --     | --      | 1.5                 | 4.2      | Pass      |
| Fed                  | 150,000 miles | Federal Tier 3 HD Class 3 Bin 230 | CO-COMP       | 1.6            | --                           | --               | --                       | --     | --      | 2                   | 4        | Pass      |
| Fed                  | 150,000 miles | Federal Tier 3 HD Class 3 Bin 230 | CO2           | 876            | --                           | --               | --                       | 0      | --      | 876                 | --       | --        |
| Fed                  | 150,000 miles | Federal Tier 3 HD Class 3 Bin 230 | HCHO          | 0.0006         | --                           | --               | --                       | --     | --      | 0.001               | 0.006    | Pass      |
| Fed                  | 150,000 miles | Federal Tier 3 HD Class 3 Bin 230 | NMOG          | 0.0624         | --                           | 1.1              | --                       | --     | --      | 0.062               | 999.999  | Pass      |
| Fed                  | 150,000 miles | Federal Tier 3 HD Class 3 Bin 230 | NMOG+NOX      | 0.1023         | --                           | --               | --                       | --     | --      | 0.102               | 0.230    | Pass      |
| Fed                  | 150,000 miles | Federal Tier 3 HD Class 3 Bin 230 | NMOG+NOX-COMP | 0.1541         | --                           | --               | --                       | --     | --      | 0.154               | 0.350    | Pass      |
| Fed                  | 150,000 miles | Federal Tier 3 HD Class 3 Bin 230 | NOX           | 0.0399         | --                           | --               | --                       | --     | --      | 0.04                | 999.999  | Pass      |
| Fed                  | 150,000 miles | Federal Tier 3 HD Class 3 Bin 230 | PM            | 0.0031         | --                           | --               | --                       | --     | --      | 0.003               | 0.010    | Pass      |
| Fed                  | 150,000 miles | Federal Tier 3 HD Class 3 Bin 230 | PM-COMP       | 0.0042         | --                           | --               | --                       | --     | --      | 0.004               | 0.007    | Pass      |
| CA                   | 150,000 miles | California LEV-III SULEV230       | CO            | 1.47           | --                           | --               | --                       | --     | --      | 1.5                 | 4.2      | Pass      |
| CA                   | 150,000 miles | California LEV-III SULEV230       | CO-COMP       | 1.6            | --                           | --               | --                       | --     | --      | 2                   | 4        | Pass      |
| CA                   | 150,000 miles | California LEV-III SULEV230       | CO2           | 876            | --                           | --               | --                       | 0      | --      | 876                 | --       | --        |
| CA                   | 150,000 miles | California LEV-III SULEV230       | HCHO          | 0.0006         | --                           | --               | --                       | --     | --      | 0.001               | 0.006    | Pass      |
| CA                   | 150,000 miles | California LEV-III SULEV230       | NMOG          | 0.0624         | --                           | 1.1              | --                       | --     | --      | 0.062               | 999.999  | Pass      |
| CA                   | 150,000 miles | California LEV-III SULEV230       | NMOG+NOX      | 0.1023         | --                           | --               | --                       | --     | --      | 0.102               | 0.230    | Pass      |
| CA                   | 150,000 miles | California LEV-III SULEV230       | NMOG+NOX-COMP | 0.1541         | --                           | --               | --                       | --     | --      | 0.154               | 0.350    | Pass      |
| CA                   | 150,000 miles | California LEV-III SULEV230       | NOX           | 0.0399         | --                           | --               | --                       | --     | --      | 0.04                | 999.999  | Pass      |

Certification Summary Information Report

| Test Group           |               | VFMXD07.373K                |               |                |     | Evaporative/Refueling Family |                          |        |         | VFMXR0250NHJ        |          |           |
|----------------------|---------------|-----------------------------|---------------|----------------|-----|------------------------------|--------------------------|--------|---------|---------------------|----------|-----------|
| 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-III SULEV230 | PM            | 0.0031         | --  | --                           | --                       | --     | --      | 0.003               | 0.010    | Pass      |
| CA                   | 150,000 miles | California LEV-III SULEV230 | PM-COMP       | 0.0042         | --  | --                           | --                       | --     | --      | 0.004               | 0.007    | Pass      |

NOTE: For Non-charge depleting tests, the Rounded Result for CO2 Emission name is a Verify-calculated value.

## Certification Summary Information Report

| Test Group                                     | VFMXD07.373K                                                                                 | Evaporative/Refueling Family          | VFMXR0250NHJ                                        |
|------------------------------------------------|----------------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------------------------|
| <b>Test #</b>                                  | <b>VFMX10093255</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>                 | 61 - Tier 2 Cert Gasoline                           |
| <b>Test Date</b>                               | 02/03/2026                                                                                   | <b>Fuel</b>                           | Gasoline                                            |
| <b>Fuel Batch ID</b>                           | CERT_5                                                                                       | <b>Fuel Calibration Number</b>        | 190                                                 |
| <b>Vehicle Class</b>                           | HDV2 (Federal HD chassis Class 3 GVW 10001-14000), MDV7 (Cal. LEV 2/3/4 MDV GVW 10001-14000) | <b>DF Type</b>                        | Mfr. Determined                                     |
| <b>Verify Test Lab ID</b>                      | APTL                                                                                         |                                       |                                                     |
| <b>E10 Evaporative Test Measurement Method</b> | --                                                                                           |                                       |                                                     |
| <b>Test Start Odometer Reading</b>             | 3860                                                                                         | <b>Odometer Units</b>                 | M                                                   |
| <b>4WD Test Dyno</b>                           | No                                                                                           | <b>Diesel Adjustment Factor Usage</b> | --                                                  |
| <b>State of Charge Delta</b>                   | --                                                                                           |                                       |                                                     |
| <b>Drive Cycle Speed Tolerance Criteria</b>    | Used Part 86 (+/- 2 mph, +/- 1 sec)                                                          | <b>Road Speed Fan Usage</b>           | Yes                                                 |
| <b>Test Results</b>                            |                                                                                              |                                       |                                                     |

## Certification Summary Information Report

| Test Group                 | VFMXD07.373K                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Evaporative/Refueling Family                                                                                                                                                                                                                                                         | VFMXR0250NHJ                                             |                                                          |                                  |                                  |       |                                  |                                           |     |                               |          |          |                           |          |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |         |    |                                                    |         |    |                                            |         |    |                                                 |         |    |                                    |     |     |                      |          |    |                     |        |    |                                 |          |    |                                  |         |    |                              |          |    |  |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------|----------------------------------|-------|----------------------------------|-------------------------------------------|-----|-------------------------------|----------|----------|---------------------------|----------|----|----------------------------------------------|-----------|----|----------------------------------|------------|----|----------------------------------|--------|----|-------------------------------|----------|----------|---------------------------|-----------|----|----------------------------------------------|-----------|----|----------------------------------|------------|----|----------------------------------|--------|----|-------------------------------|-----------|-----------|---------------------------|-----------|----|----------------------------------------------|-----------|----|-------------------------|----------|----|----------------------|---------|----|----------------------------------------------------|---------|----|--------------------------------------------|---------|----|-------------------------------------------------|---------|----|------------------------------------|-----|-----|----------------------|----------|----|---------------------|--------|----|---------------------------------|----------|----|----------------------------------|---------|----|------------------------------|----------|----|--|
|                            | <table><tr><th>Test Result Name</th><th>Unrounded Test Result</th><th>Verify Calculated FE Equivalent Value (miles per gallon)</th></tr><tr><td>CO2 BAG 1 (Bag 1 Carbon Dioxide)</td><td>901.705994</td><td>--</td></tr><tr><td>CO BAG 1 (Bag 1 Carbon Monoxide)</td><td>6.6768</td><td>--</td></tr><tr><td>FE BAG 1 (Bag 1 Fuel Economy)</td><td>9.750177</td><td>9.750177</td></tr><tr><td>CH4 BAG 1 (Bag 1 Methane)</td><td>0.066406</td><td>--</td></tr><tr><td>NMOG BAG 1 (Bag 1 Non-methane organic gases)</td><td>0.1965912</td><td>--</td></tr><tr><td>CO2 BAG 2 (Bag 2 Carbon Dioxide)</td><td>931.721008</td><td>--</td></tr><tr><td>CO BAG 2 (Bag 2 Carbon Monoxide)</td><td>0.9335</td><td>--</td></tr><tr><td>FE BAG 2 (Bag 2 Fuel Economy)</td><td>9.537542</td><td>9.537542</td></tr><tr><td>CH4 BAG 2 (Bag 2 Methane)</td><td>0.0368695</td><td>--</td></tr><tr><td>NMOG BAG 2 (Bag 2 Non-methane organic gases)</td><td>0.0286607</td><td>--</td></tr><tr><td>CO2 BAG 3 (Bag 3 Carbon Dioxide)</td><td>833.452026</td><td>--</td></tr><tr><td>CO BAG 3 (Bag 3 Carbon Monoxide)</td><td>1.8709</td><td>--</td></tr><tr><td>FE BAG 3 (Bag 3 Fuel Economy)</td><td>10.649346</td><td>10.649346</td></tr><tr><td>CH4 BAG 3 (Bag 3 Methane)</td><td>0.0385478</td><td>--</td></tr><tr><td>NMOG BAG 3 (Bag 3 Non-methane organic gases)</td><td>0.0425455</td><td>--</td></tr><tr><td>METHANE (CH4 - Methane)</td><td>0.043452</td><td>--</td></tr><tr><td>CO (Carbon Monoxide)</td><td>2.38145</td><td>--</td></tr><tr><td>DT-ASCR (Drive Trace Absolute Speed Change Rating)</td><td>1.54137</td><td>--</td></tr><tr><td>DT-EER (Drive Trace Energy Economy Rating)</td><td>1.26636</td><td>--</td></tr><tr><td>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</td><td>2.00794</td><td>--</td></tr><tr><td>MFR FE (Manufacturer Fuel Economy)</td><td>9.9</td><td>9.9</td></tr><tr><td>NOX (Nitrogen Oxide)</td><td>0.063242</td><td>--</td></tr><tr><td>N2O (Nitrous Oxide)</td><td>0.0269</td><td>--</td></tr><tr><td>HC-NM (Non-methane Hydrocarbon)</td><td>0.064692</td><td>--</td></tr><tr><td>NMOG (Non-methane organic gases)</td><td>0.06728</td><td>--</td></tr><tr><td>HC-TOTAL (Total Hydrocarbon)</td><td>0.106765</td><td>--</td></tr></table> | Test Result Name                                                                                                                                                                                                                                                                     | Unrounded Test Result                                    | Verify Calculated FE Equivalent Value (miles per gallon) | CO2 BAG 1 (Bag 1 Carbon Dioxide) | 901.705994                       | --    | CO BAG 1 (Bag 1 Carbon Monoxide) | 6.6768                                    | --  | FE BAG 1 (Bag 1 Fuel Economy) | 9.750177 | 9.750177 | CH4 BAG 1 (Bag 1 Methane) | 0.066406 | -- | NMOG BAG 1 (Bag 1 Non-methane organic gases) | 0.1965912 | -- | CO2 BAG 2 (Bag 2 Carbon Dioxide) | 931.721008 | -- | CO BAG 2 (Bag 2 Carbon Monoxide) | 0.9335 | -- | FE BAG 2 (Bag 2 Fuel Economy) | 9.537542 | 9.537542 | CH4 BAG 2 (Bag 2 Methane) | 0.0368695 | -- | NMOG BAG 2 (Bag 2 Non-methane organic gases) | 0.0286607 | -- | CO2 BAG 3 (Bag 3 Carbon Dioxide) | 833.452026 | -- | CO BAG 3 (Bag 3 Carbon Monoxide) | 1.8709 | -- | FE BAG 3 (Bag 3 Fuel Economy) | 10.649346 | 10.649346 | CH4 BAG 3 (Bag 3 Methane) | 0.0385478 | -- | NMOG BAG 3 (Bag 3 Non-methane organic gases) | 0.0425455 | -- | METHANE (CH4 - Methane) | 0.043452 | -- | CO (Carbon Monoxide) | 2.38145 | -- | DT-ASCR (Drive Trace Absolute Speed Change Rating) | 1.54137 | -- | DT-EER (Drive Trace Energy Economy Rating) | 1.26636 | -- | DT-IWRR (Drive Trace Inertia Work Ratio Rating) | 2.00794 | -- | MFR FE (Manufacturer Fuel Economy) | 9.9 | 9.9 | NOX (Nitrogen Oxide) | 0.063242 | -- | N2O (Nitrous Oxide) | 0.0269 | -- | HC-NM (Non-methane Hydrocarbon) | 0.064692 | -- | NMOG (Non-methane organic gases) | 0.06728 | -- | HC-TOTAL (Total Hydrocarbon) | 0.106765 | -- |  |
|                            | Test Result Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Unrounded Test Result                                                                                                                                                                                                                                                                | Verify Calculated FE Equivalent Value (miles per gallon) |                                                          |                                  |                                  |       |                                  |                                           |     |                               |          |          |                           |          |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |         |    |                                                    |         |    |                                            |         |    |                                                 |         |    |                                    |     |     |                      |          |    |                     |        |    |                                 |          |    |                                  |         |    |                              |          |    |  |
|                            | CO2 BAG 1 (Bag 1 Carbon Dioxide)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 901.705994                                                                                                                                                                                                                                                                           | --                                                       |                                                          |                                  |                                  |       |                                  |                                           |     |                               |          |          |                           |          |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |         |    |                                                    |         |    |                                            |         |    |                                                 |         |    |                                    |     |     |                      |          |    |                     |        |    |                                 |          |    |                                  |         |    |                              |          |    |  |
|                            | CO BAG 1 (Bag 1 Carbon Monoxide)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 6.6768                                                                                                                                                                                                                                                                               | --                                                       |                                                          |                                  |                                  |       |                                  |                                           |     |                               |          |          |                           |          |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |         |    |                                                    |         |    |                                            |         |    |                                                 |         |    |                                    |     |     |                      |          |    |                     |        |    |                                 |          |    |                                  |         |    |                              |          |    |  |
|                            | FE BAG 1 (Bag 1 Fuel Economy)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 9.750177                                                                                                                                                                                                                                                                             | 9.750177                                                 |                                                          |                                  |                                  |       |                                  |                                           |     |                               |          |          |                           |          |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |         |    |                                                    |         |    |                                            |         |    |                                                 |         |    |                                    |     |     |                      |          |    |                     |        |    |                                 |          |    |                                  |         |    |                              |          |    |  |
|                            | CH4 BAG 1 (Bag 1 Methane)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.066406                                                                                                                                                                                                                                                                             | --                                                       |                                                          |                                  |                                  |       |                                  |                                           |     |                               |          |          |                           |          |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |         |    |                                                    |         |    |                                            |         |    |                                                 |         |    |                                    |     |     |                      |          |    |                     |        |    |                                 |          |    |                                  |         |    |                              |          |    |  |
|                            | NMOG BAG 1 (Bag 1 Non-methane organic gases)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.1965912                                                                                                                                                                                                                                                                            | --                                                       |                                                          |                                  |                                  |       |                                  |                                           |     |                               |          |          |                           |          |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |         |    |                                                    |         |    |                                            |         |    |                                                 |         |    |                                    |     |     |                      |          |    |                     |        |    |                                 |          |    |                                  |         |    |                              |          |    |  |
|                            | CO2 BAG 2 (Bag 2 Carbon Dioxide)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 931.721008                                                                                                                                                                                                                                                                           | --                                                       |                                                          |                                  |                                  |       |                                  |                                           |     |                               |          |          |                           |          |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |         |    |                                                    |         |    |                                            |         |    |                                                 |         |    |                                    |     |     |                      |          |    |                     |        |    |                                 |          |    |                                  |         |    |                              |          |    |  |
|                            | CO BAG 2 (Bag 2 Carbon Monoxide)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.9335                                                                                                                                                                                                                                                                               | --                                                       |                                                          |                                  |                                  |       |                                  |                                           |     |                               |          |          |                           |          |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |         |    |                                                    |         |    |                                            |         |    |                                                 |         |    |                                    |     |     |                      |          |    |                     |        |    |                                 |          |    |                                  |         |    |                              |          |    |  |
|                            | FE BAG 2 (Bag 2 Fuel Economy)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 9.537542                                                                                                                                                                                                                                                                             | 9.537542                                                 |                                                          |                                  |                                  |       |                                  |                                           |     |                               |          |          |                           |          |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |         |    |                                                    |         |    |                                            |         |    |                                                 |         |    |                                    |     |     |                      |          |    |                     |        |    |                                 |          |    |                                  |         |    |                              |          |    |  |
|                            | CH4 BAG 2 (Bag 2 Methane)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.0368695                                                                                                                                                                                                                                                                            | --                                                       |                                                          |                                  |                                  |       |                                  |                                           |     |                               |          |          |                           |          |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |         |    |                                                    |         |    |                                            |         |    |                                                 |         |    |                                    |     |     |                      |          |    |                     |        |    |                                 |          |    |                                  |         |    |                              |          |    |  |
|                            | NMOG BAG 2 (Bag 2 Non-methane organic gases)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.0286607                                                                                                                                                                                                                                                                            | --                                                       |                                                          |                                  |                                  |       |                                  |                                           |     |                               |          |          |                           |          |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |         |    |                                                    |         |    |                                            |         |    |                                                 |         |    |                                    |     |     |                      |          |    |                     |        |    |                                 |          |    |                                  |         |    |                              |          |    |  |
|                            | CO2 BAG 3 (Bag 3 Carbon Dioxide)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 833.452026                                                                                                                                                                                                                                                                           | --                                                       |                                                          |                                  |                                  |       |                                  |                                           |     |                               |          |          |                           |          |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |         |    |                                                    |         |    |                                            |         |    |                                                 |         |    |                                    |     |     |                      |          |    |                     |        |    |                                 |          |    |                                  |         |    |                              |          |    |  |
|                            | CO BAG 3 (Bag 3 Carbon Monoxide)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1.8709                                                                                                                                                                                                                                                                               | --                                                       |                                                          |                                  |                                  |       |                                  |                                           |     |                               |          |          |                           |          |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |         |    |                                                    |         |    |                                            |         |    |                                                 |         |    |                                    |     |     |                      |          |    |                     |        |    |                                 |          |    |                                  |         |    |                              |          |    |  |
|                            | FE BAG 3 (Bag 3 Fuel Economy)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 10.649346                                                                                                                                                                                                                                                                            | 10.649346                                                |                                                          |                                  |                                  |       |                                  |                                           |     |                               |          |          |                           |          |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |         |    |                                                    |         |    |                                            |         |    |                                                 |         |    |                                    |     |     |                      |          |    |                     |        |    |                                 |          |    |                                  |         |    |                              |          |    |  |
|                            | CH4 BAG 3 (Bag 3 Methane)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.0385478                                                                                                                                                                                                                                                                            | --                                                       |                                                          |                                  |                                  |       |                                  |                                           |     |                               |          |          |                           |          |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |         |    |                                                    |         |    |                                            |         |    |                                                 |         |    |                                    |     |     |                      |          |    |                     |        |    |                                 |          |    |                                  |         |    |                              |          |    |  |
|                            | NMOG BAG 3 (Bag 3 Non-methane organic gases)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.0425455                                                                                                                                                                                                                                                                            | --                                                       |                                                          |                                  |                                  |       |                                  |                                           |     |                               |          |          |                           |          |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |         |    |                                                    |         |    |                                            |         |    |                                                 |         |    |                                    |     |     |                      |          |    |                     |        |    |                                 |          |    |                                  |         |    |                              |          |    |  |
|                            | METHANE (CH4 - Methane)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0.043452                                                                                                                                                                                                                                                                             | --                                                       |                                                          |                                  |                                  |       |                                  |                                           |     |                               |          |          |                           |          |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |         |    |                                                    |         |    |                                            |         |    |                                                 |         |    |                                    |     |     |                      |          |    |                     |        |    |                                 |          |    |                                  |         |    |                              |          |    |  |
|                            | CO (Carbon Monoxide)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2.38145                                                                                                                                                                                                                                                                              | --                                                       |                                                          |                                  |                                  |       |                                  |                                           |     |                               |          |          |                           |          |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |         |    |                                                    |         |    |                                            |         |    |                                                 |         |    |                                    |     |     |                      |          |    |                     |        |    |                                 |          |    |                                  |         |    |                              |          |    |  |
|                            | DT-ASCR (Drive Trace Absolute Speed Change Rating)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1.54137                                                                                                                                                                                                                                                                              | --                                                       |                                                          |                                  |                                  |       |                                  |                                           |     |                               |          |          |                           |          |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |         |    |                                                    |         |    |                                            |         |    |                                                 |         |    |                                    |     |     |                      |          |    |                     |        |    |                                 |          |    |                                  |         |    |                              |          |    |  |
|                            | DT-EER (Drive Trace Energy Economy Rating)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1.26636                                                                                                                                                                                                                                                                              | --                                                       |                                                          |                                  |                                  |       |                                  |                                           |     |                               |          |          |                           |          |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |         |    |                                                    |         |    |                                            |         |    |                                                 |         |    |                                    |     |     |                      |          |    |                     |        |    |                                 |          |    |                                  |         |    |                              |          |    |  |
|                            | DT-IWRR (Drive Trace Inertia Work Ratio Rating)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2.00794                                                                                                                                                                                                                                                                              | --                                                       |                                                          |                                  |                                  |       |                                  |                                           |     |                               |          |          |                           |          |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |         |    |                                                    |         |    |                                            |         |    |                                                 |         |    |                                    |     |     |                      |          |    |                     |        |    |                                 |          |    |                                  |         |    |                              |          |    |  |
|                            | MFR FE (Manufacturer Fuel Economy)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 9.9                                                                                                                                                                                                                                                                                  | 9.9                                                      |                                                          |                                  |                                  |       |                                  |                                           |     |                               |          |          |                           |          |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |         |    |                                                    |         |    |                                            |         |    |                                                 |         |    |                                    |     |     |                      |          |    |                     |        |    |                                 |          |    |                                  |         |    |                              |          |    |  |
|                            | NOX (Nitrogen Oxide)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.063242                                                                                                                                                                                                                                                                             | --                                                       |                                                          |                                  |                                  |       |                                  |                                           |     |                               |          |          |                           |          |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |         |    |                                                    |         |    |                                            |         |    |                                                 |         |    |                                    |     |     |                      |          |    |                     |        |    |                                 |          |    |                                  |         |    |                              |          |    |  |
|                            | N2O (Nitrous Oxide)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.0269                                                                                                                                                                                                                                                                               | --                                                       |                                                          |                                  |                                  |       |                                  |                                           |     |                               |          |          |                           |          |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |         |    |                                                    |         |    |                                            |         |    |                                                 |         |    |                                    |     |     |                      |          |    |                     |        |    |                                 |          |    |                                  |         |    |                              |          |    |  |
|                            | HC-NM (Non-methane Hydrocarbon)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.064692                                                                                                                                                                                                                                                                             | --                                                       |                                                          |                                  |                                  |       |                                  |                                           |     |                               |          |          |                           |          |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |         |    |                                                    |         |    |                                            |         |    |                                                 |         |    |                                    |     |     |                      |          |    |                     |        |    |                                 |          |    |                                  |         |    |                              |          |    |  |
|                            | NMOG (Non-methane organic gases)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.06728                                                                                                                                                                                                                                                                              | --                                                       |                                                          |                                  |                                  |       |                                  |                                           |     |                               |          |          |                           |          |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |         |    |                                                    |         |    |                                            |         |    |                                                 |         |    |                                    |     |     |                      |          |    |                     |        |    |                                 |          |    |                                  |         |    |                              |          |    |  |
|                            | HC-TOTAL (Total Hydrocarbon)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.106765                                                                                                                                                                                                                                                                             | --                                                       |                                                          |                                  |                                  |       |                                  |                                           |     |                               |          |          |                           |          |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |         |    |                                                    |         |    |                                            |         |    |                                                 |         |    |                                    |     |     |                      |          |    |                     |        |    |                                 |          |    |                                  |         |    |                              |          |    |  |
|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <table><tr><th>Test Result Name</th><th>Unrounded Test Result</th><th>Verify Calculated CREE/OPT-CREE</th></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>902</td><td>902</td></tr><tr><td>Optional Carbon-Related Exhaust Emissions</td><td>911</td><td>911</td></tr></table> | Test Result Name                                         | Unrounded Test Result                                    | Verify Calculated CREE/OPT-CREE  | Carbon-Related Exhaust Emissions | 902   | 902                              | Optional Carbon-Related Exhaust Emissions | 911 | 911                           |          |          |                           |          |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |         |    |                                                    |         |    |                                            |         |    |                                                 |         |    |                                    |     |     |                      |          |    |                     |        |    |                                 |          |    |                                  |         |    |                              |          |    |  |
|                            | Test Result Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Unrounded Test Result                                                                                                                                                                                                                                                                | Verify Calculated CREE/OPT-CREE                          |                                                          |                                  |                                  |       |                                  |                                           |     |                               |          |          |                           |          |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |         |    |                                                    |         |    |                                            |         |    |                                                 |         |    |                                    |     |     |                      |          |    |                     |        |    |                                 |          |    |                                  |         |    |                              |          |    |  |
|                            | Carbon-Related Exhaust Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 902                                                                                                                                                                                                                                                                                  | 902                                                      |                                                          |                                  |                                  |       |                                  |                                           |     |                               |          |          |                           |          |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |         |    |                                                    |         |    |                                            |         |    |                                                 |         |    |                                    |     |     |                      |          |    |                     |        |    |                                 |          |    |                                  |         |    |                              |          |    |  |
|                            | Optional Carbon-Related Exhaust Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 911                                                                                                                                                                                                                                                                                  | 911                                                      |                                                          |                                  |                                  |       |                                  |                                           |     |                               |          |          |                           |          |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |         |    |                                                    |         |    |                                            |         |    |                                                 |         |    |                                    |     |     |                      |          |    |                     |        |    |                                 |          |    |                                  |         |    |                              |          |    |  |
|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <table><tr><th>Test Result Name</th><th>Unrounded Test Result</th><th>Verify Calculated CO2</th></tr><tr><td>Carbon dioxide</td><td>898.5</td><td>--</td></tr></table>                                                                                                               | Test Result Name                                         | Unrounded Test Result                                    | Verify Calculated CO2            | Carbon dioxide                   | 898.5 | --                               |                                           |     |                               |          |          |                           |          |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |         |    |                                                    |         |    |                                            |         |    |                                                 |         |    |                                    |     |     |                      |          |    |                     |        |    |                                 |          |    |                                  |         |    |                              |          |    |  |
| Test Result Name           | Unrounded Test Result                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Verify Calculated CO2                                                                                                                                                                                                                                                                |                                                          |                                                          |                                  |                                  |       |                                  |                                           |     |                               |          |          |                           |          |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |         |    |                                                    |         |    |                                            |         |    |                                                 |         |    |                                    |     |     |                      |          |    |                     |        |    |                                 |          |    |                                  |         |    |                              |          |    |  |
| Carbon dioxide             | 898.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | --                                                                                                                                                                                                                                                                                   |                                                          |                                                          |                                  |                                  |       |                                  |                                           |     |                               |          |          |                           |          |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |         |    |                                                    |         |    |                                            |         |    |                                                 |         |    |                                    |     |     |                      |          |    |                     |        |    |                                 |          |    |                                  |         |    |                              |          |    |  |
| Manufacturer Test Comments | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                      |                                                          |                                                          |                                  |                                  |       |                                  |                                           |     |                               |          |          |                           |          |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |         |    |                                                    |         |    |                                            |         |    |                                                 |         |    |                                    |     |     |                      |          |    |                     |        |    |                                 |          |    |                                  |         |    |                              |          |    |  |

## Certification Summary Information Report

| Test Group           |               | VFMXD07.373K                      |               |                | Evaporative/Refueling Family |                  |                          |        |         | VFMXR0250NHJ        |          |           |
|----------------------|---------------|-----------------------------------|---------------|----------------|------------------------------|------------------|--------------------------|--------|---------|---------------------|----------|-----------|
| 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 HD Class 3 Bin 230 | CO            | 2.38           | --                           | --               | --                       | --     | --      | 2.4                 | 4.2      | Pass      |
| Fed                  | 150,000 miles | Federal Tier 3 HD Class 3 Bin 230 | CO2           | 902            | --                           | --               | --                       | 0      | --      | 902                 | --       | --        |
| Fed                  | 150,000 miles | Federal Tier 3 HD Class 3 Bin 230 | NMOG          | 0.0673         | --                           | 1.1              | --                       | --     | --      | 0.067               | 999.999  | Pass      |
| Fed                  | 150,000 miles | Federal Tier 3 HD Class 3 Bin 230 | NMOG+NOX      | 0.1305         | --                           | --               | --                       | --     | --      | 0.13                | 0.230    | Pass      |
| Fed                  | 150,000 miles | Federal Tier 3 HD Class 3 Bin 230 | NOX           | 0.0632         | --                           | --               | --                       | --     | --      | 0.063               | 999.999  | Pass      |
| CA                   | 150,000 miles | California LEV-III SULEV230       | CO            | 2.38           | --                           | --               | --                       | --     | --      | 2.4                 | 4.2      | Pass      |
| CA                   | 150,000 miles | California LEV-III SULEV230       | CO2           | 902            | --                           | --               | --                       | 0      | --      | 902                 | --       | --        |
| CA                   | 150,000 miles | California LEV-III SULEV230       | NMOG          | 0.0673         | --                           | 1.1              | --                       | --     | --      | 0.067               | 999.999  | Pass      |
| CA                   | 150,000 miles | California LEV-III SULEV230       | NMOG+NOX      | 0.1305         | --                           | --               | --                       | --     | --      | 0.13                | 0.230    | Pass      |
| CA                   | 150,000 miles | California LEV-III SULEV230       | NOX           | 0.0632         | --                           | --               | --                       | --     | --      | 0.063               | 999.999  | Pass      |

**NOTE: For Non-charge depleting tests, the Rounded Result for CO2 Emission name is a Verify-calculated value.**

## Certification Summary Information Report

| Test Group                                     | VFMXD07.373K                              | Evaporative/Refueling Family          | VFMXR0250NHJ                                       |
|------------------------------------------------|-------------------------------------------|---------------------------------------|----------------------------------------------------|
| <b>Test #</b>                                  | <b>VFMX10093257</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>                               | 01/13/2026                                | <b>Fuel</b>                           | Gasoline                                           |
| <b>Fuel Batch ID</b>                           | 373-B                                     | <b>Fuel Calibration Number</b>        | 124                                                |
| <b>Vehicle Class</b>                           | MDV7 (Cal. LEV 2/3/4 MDV GVW 10001-14000) | <b>DF Type</b>                        | Mfr. Determined                                    |
| <b>Verify Test Lab ID</b>                      | APTL                                      |                                       |                                                    |
| <b>E10 Evaporative Test Measurement Method</b> | --                                        | <b>Odometer Units</b>                 | M                                                  |
| <b>Test Start Odometer Reading</b>             | 3731                                      | <b>Diesel Adjustment Factor Usage</b> | --                                                 |
| <b>4WD Test Dyno</b>                           | No                                        |                                       |                                                    |
| <b>State of Charge Delta</b>                   | --                                        |                                       |                                                    |
| <b>Drive Cycle Speed Tolerance Criteria</b>    | Used Part 86 (+/- 2 mph, +/- 1 sec)       | <b>Road Speed Fan Usage</b>           | Yes                                                |
| <b>Test Results</b>                            |                                           |                                       |                                                    |

## Certification Summary Information Report

| Test Group                 | VFMXD07.373K                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Evaporative/Refueling Family                                                                                                                                                                     | VFMXR0250NHJ                                             |                                                          |                                  |                                  |       |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |          |    |                                                    |          |    |                                            |         |    |                                                 |         |    |                     |        |    |                                    |     |     |                      |          |    |                                 |          |    |                                  |          |    |                              |          |    |  |  |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------|----------------------------------|-------|----------------------------------|--------|----|-------------------------------|----------|----------|---------------------------|-----------|----|----------------------------------------------|-----------|----|----------------------------------|------------|----|----------------------------------|--------|----|-------------------------------|----------|----------|---------------------------|-----------|----|----------------------------------------------|-----------|----|----------------------------------|------------|----|----------------------------------|--------|----|-------------------------------|-----------|-----------|---------------------------|-----------|----|----------------------------------------------|-----------|----|-------------------------|----------|----|----------------------|----------|----|----------------------------------------------------|----------|----|--------------------------------------------|---------|----|-------------------------------------------------|---------|----|---------------------|--------|----|------------------------------------|-----|-----|----------------------|----------|----|---------------------------------|----------|----|----------------------------------|----------|----|------------------------------|----------|----|--|--|
|                            | <table><tr><th>Test Result Name</th><th>Unrounded Test Result</th><th>Verify Calculated FE Equivalent Value (miles per gallon)</th></tr><tr><td>CO2 BAG 1 (Bag 1 Carbon Dioxide)</td><td>942.633278</td><td>--</td></tr><tr><td>CO BAG 1 (Bag 1 Carbon Monoxide)</td><td>7.0187</td><td>--</td></tr><tr><td>FE BAG 1 (Bag 1 Fuel Economy)</td><td>9.150308</td><td>9.150308</td></tr><tr><td>CH4 BAG 1 (Bag 1 Methane)</td><td>0.0789744</td><td>--</td></tr><tr><td>NMOG BAG 1 (Bag 1 Non-methane organic gases)</td><td>0.5878256</td><td>--</td></tr><tr><td>CO2 BAG 2 (Bag 2 Carbon Dioxide)</td><td>903.941795</td><td>--</td></tr><tr><td>CO BAG 2 (Bag 2 Carbon Monoxide)</td><td>0.1105</td><td>--</td></tr><tr><td>FE BAG 2 (Bag 2 Fuel Economy)</td><td>9.673086</td><td>9.673086</td></tr><tr><td>CH4 BAG 2 (Bag 2 Methane)</td><td>0.0079754</td><td>--</td></tr><tr><td>NMOG BAG 2 (Bag 2 Non-methane organic gases)</td><td>0.0066934</td><td>--</td></tr><tr><td>CO2 BAG 3 (Bag 3 Carbon Dioxide)</td><td>805.018141</td><td>--</td></tr><tr><td>CO BAG 3 (Bag 3 Carbon Monoxide)</td><td>0.4622</td><td>--</td></tr><tr><td>FE BAG 3 (Bag 3 Fuel Economy)</td><td>10.854769</td><td>10.854769</td></tr><tr><td>CH4 BAG 3 (Bag 3 Methane)</td><td>0.0087018</td><td>--</td></tr><tr><td>NMOG BAG 3 (Bag 3 Non-methane organic gases)</td><td>0.0105655</td><td>--</td></tr><tr><td>METHANE (CH4 - Methane)</td><td>0.022887</td><td>--</td></tr><tr><td>CO (Carbon Monoxide)</td><td>1.638548</td><td>--</td></tr><tr><td>DT-ASCR (Drive Trace Absolute Speed Change Rating)</td><td>0.843308</td><td>--</td></tr><tr><td>DT-EER (Drive Trace Energy Economy Rating)</td><td>0.13989</td><td>--</td></tr><tr><td>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</td><td>1.03365</td><td>--</td></tr><tr><td>HCHO (Formaldehyde)</td><td>0.0008</td><td>--</td></tr><tr><td>MFR FE (Manufacturer Fuel Economy)</td><td>9.8</td><td>9.8</td></tr><tr><td>NOX (Nitrogen Oxide)</td><td>0.012832</td><td>--</td></tr><tr><td>HC-NM (Non-methane Hydrocarbon)</td><td>0.116287</td><td>--</td></tr><tr><td>NMOG (Non-methane organic gases)</td><td>0.127989</td><td>--</td></tr><tr><td>HC-TOTAL (Total Hydrocarbon)</td><td>0.137862</td><td>--</td></tr></table> | Test Result Name                                                                                                                                                                                 | Unrounded Test Result                                    | Verify Calculated FE Equivalent Value (miles per gallon) | CO2 BAG 1 (Bag 1 Carbon Dioxide) | 942.633278                       | --    | CO BAG 1 (Bag 1 Carbon Monoxide) | 7.0187 | -- | FE BAG 1 (Bag 1 Fuel Economy) | 9.150308 | 9.150308 | CH4 BAG 1 (Bag 1 Methane) | 0.0789744 | -- | NMOG BAG 1 (Bag 1 Non-methane organic gases) | 0.5878256 | -- | CO2 BAG 2 (Bag 2 Carbon Dioxide) | 903.941795 | -- | CO BAG 2 (Bag 2 Carbon Monoxide) | 0.1105 | -- | FE BAG 2 (Bag 2 Fuel Economy) | 9.673086 | 9.673086 | CH4 BAG 2 (Bag 2 Methane) | 0.0079754 | -- | NMOG BAG 2 (Bag 2 Non-methane organic gases) | 0.0066934 | -- | CO2 BAG 3 (Bag 3 Carbon Dioxide) | 805.018141 | -- | CO BAG 3 (Bag 3 Carbon Monoxide) | 0.4622 | -- | FE BAG 3 (Bag 3 Fuel Economy) | 10.854769 | 10.854769 | CH4 BAG 3 (Bag 3 Methane) | 0.0087018 | -- | NMOG BAG 3 (Bag 3 Non-methane organic gases) | 0.0105655 | -- | METHANE (CH4 - Methane) | 0.022887 | -- | CO (Carbon Monoxide) | 1.638548 | -- | DT-ASCR (Drive Trace Absolute Speed Change Rating) | 0.843308 | -- | DT-EER (Drive Trace Energy Economy Rating) | 0.13989 | -- | DT-IWRR (Drive Trace Inertia Work Ratio Rating) | 1.03365 | -- | HCHO (Formaldehyde) | 0.0008 | -- | MFR FE (Manufacturer Fuel Economy) | 9.8 | 9.8 | NOX (Nitrogen Oxide) | 0.012832 | -- | HC-NM (Non-methane Hydrocarbon) | 0.116287 | -- | NMOG (Non-methane organic gases) | 0.127989 | -- | HC-TOTAL (Total Hydrocarbon) | 0.137862 | -- |  |  |
|                            | Test Result Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Unrounded Test Result                                                                                                                                                                            | Verify Calculated FE Equivalent Value (miles per gallon) |                                                          |                                  |                                  |       |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |          |    |                                                    |          |    |                                            |         |    |                                                 |         |    |                     |        |    |                                    |     |     |                      |          |    |                                 |          |    |                                  |          |    |                              |          |    |  |  |
|                            | CO2 BAG 1 (Bag 1 Carbon Dioxide)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 942.633278                                                                                                                                                                                       | --                                                       |                                                          |                                  |                                  |       |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |          |    |                                                    |          |    |                                            |         |    |                                                 |         |    |                     |        |    |                                    |     |     |                      |          |    |                                 |          |    |                                  |          |    |                              |          |    |  |  |
|                            | CO BAG 1 (Bag 1 Carbon Monoxide)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 7.0187                                                                                                                                                                                           | --                                                       |                                                          |                                  |                                  |       |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |          |    |                                                    |          |    |                                            |         |    |                                                 |         |    |                     |        |    |                                    |     |     |                      |          |    |                                 |          |    |                                  |          |    |                              |          |    |  |  |
|                            | FE BAG 1 (Bag 1 Fuel Economy)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 9.150308                                                                                                                                                                                         | 9.150308                                                 |                                                          |                                  |                                  |       |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |          |    |                                                    |          |    |                                            |         |    |                                                 |         |    |                     |        |    |                                    |     |     |                      |          |    |                                 |          |    |                                  |          |    |                              |          |    |  |  |
|                            | CH4 BAG 1 (Bag 1 Methane)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.0789744                                                                                                                                                                                        | --                                                       |                                                          |                                  |                                  |       |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |          |    |                                                    |          |    |                                            |         |    |                                                 |         |    |                     |        |    |                                    |     |     |                      |          |    |                                 |          |    |                                  |          |    |                              |          |    |  |  |
|                            | NMOG BAG 1 (Bag 1 Non-methane organic gases)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0.5878256                                                                                                                                                                                        | --                                                       |                                                          |                                  |                                  |       |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |          |    |                                                    |          |    |                                            |         |    |                                                 |         |    |                     |        |    |                                    |     |     |                      |          |    |                                 |          |    |                                  |          |    |                              |          |    |  |  |
|                            | CO2 BAG 2 (Bag 2 Carbon Dioxide)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 903.941795                                                                                                                                                                                       | --                                                       |                                                          |                                  |                                  |       |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |          |    |                                                    |          |    |                                            |         |    |                                                 |         |    |                     |        |    |                                    |     |     |                      |          |    |                                 |          |    |                                  |          |    |                              |          |    |  |  |
|                            | CO BAG 2 (Bag 2 Carbon Monoxide)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.1105                                                                                                                                                                                           | --                                                       |                                                          |                                  |                                  |       |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |          |    |                                                    |          |    |                                            |         |    |                                                 |         |    |                     |        |    |                                    |     |     |                      |          |    |                                 |          |    |                                  |          |    |                              |          |    |  |  |
|                            | FE BAG 2 (Bag 2 Fuel Economy)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 9.673086                                                                                                                                                                                         | 9.673086                                                 |                                                          |                                  |                                  |       |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |          |    |                                                    |          |    |                                            |         |    |                                                 |         |    |                     |        |    |                                    |     |     |                      |          |    |                                 |          |    |                                  |          |    |                              |          |    |  |  |
|                            | CH4 BAG 2 (Bag 2 Methane)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.0079754                                                                                                                                                                                        | --                                                       |                                                          |                                  |                                  |       |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |          |    |                                                    |          |    |                                            |         |    |                                                 |         |    |                     |        |    |                                    |     |     |                      |          |    |                                 |          |    |                                  |          |    |                              |          |    |  |  |
|                            | NMOG BAG 2 (Bag 2 Non-methane organic gases)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0.0066934                                                                                                                                                                                        | --                                                       |                                                          |                                  |                                  |       |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |          |    |                                                    |          |    |                                            |         |    |                                                 |         |    |                     |        |    |                                    |     |     |                      |          |    |                                 |          |    |                                  |          |    |                              |          |    |  |  |
|                            | CO2 BAG 3 (Bag 3 Carbon Dioxide)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 805.018141                                                                                                                                                                                       | --                                                       |                                                          |                                  |                                  |       |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |          |    |                                                    |          |    |                                            |         |    |                                                 |         |    |                     |        |    |                                    |     |     |                      |          |    |                                 |          |    |                                  |          |    |                              |          |    |  |  |
|                            | CO BAG 3 (Bag 3 Carbon Monoxide)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.4622                                                                                                                                                                                           | --                                                       |                                                          |                                  |                                  |       |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |          |    |                                                    |          |    |                                            |         |    |                                                 |         |    |                     |        |    |                                    |     |     |                      |          |    |                                 |          |    |                                  |          |    |                              |          |    |  |  |
|                            | FE BAG 3 (Bag 3 Fuel Economy)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 10.854769                                                                                                                                                                                        | 10.854769                                                |                                                          |                                  |                                  |       |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |          |    |                                                    |          |    |                                            |         |    |                                                 |         |    |                     |        |    |                                    |     |     |                      |          |    |                                 |          |    |                                  |          |    |                              |          |    |  |  |
|                            | CH4 BAG 3 (Bag 3 Methane)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.0087018                                                                                                                                                                                        | --                                                       |                                                          |                                  |                                  |       |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |          |    |                                                    |          |    |                                            |         |    |                                                 |         |    |                     |        |    |                                    |     |     |                      |          |    |                                 |          |    |                                  |          |    |                              |          |    |  |  |
|                            | NMOG BAG 3 (Bag 3 Non-methane organic gases)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0.0105655                                                                                                                                                                                        | --                                                       |                                                          |                                  |                                  |       |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |          |    |                                                    |          |    |                                            |         |    |                                                 |         |    |                     |        |    |                                    |     |     |                      |          |    |                                 |          |    |                                  |          |    |                              |          |    |  |  |
|                            | METHANE (CH4 - Methane)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.022887                                                                                                                                                                                         | --                                                       |                                                          |                                  |                                  |       |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |          |    |                                                    |          |    |                                            |         |    |                                                 |         |    |                     |        |    |                                    |     |     |                      |          |    |                                 |          |    |                                  |          |    |                              |          |    |  |  |
|                            | CO (Carbon Monoxide)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1.638548                                                                                                                                                                                         | --                                                       |                                                          |                                  |                                  |       |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |          |    |                                                    |          |    |                                            |         |    |                                                 |         |    |                     |        |    |                                    |     |     |                      |          |    |                                 |          |    |                                  |          |    |                              |          |    |  |  |
|                            | DT-ASCR (Drive Trace Absolute Speed Change Rating)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.843308                                                                                                                                                                                         | --                                                       |                                                          |                                  |                                  |       |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |          |    |                                                    |          |    |                                            |         |    |                                                 |         |    |                     |        |    |                                    |     |     |                      |          |    |                                 |          |    |                                  |          |    |                              |          |    |  |  |
|                            | DT-EER (Drive Trace Energy Economy Rating)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.13989                                                                                                                                                                                          | --                                                       |                                                          |                                  |                                  |       |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |          |    |                                                    |          |    |                                            |         |    |                                                 |         |    |                     |        |    |                                    |     |     |                      |          |    |                                 |          |    |                                  |          |    |                              |          |    |  |  |
|                            | DT-IWRR (Drive Trace Inertia Work Ratio Rating)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1.03365                                                                                                                                                                                          | --                                                       |                                                          |                                  |                                  |       |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |          |    |                                                    |          |    |                                            |         |    |                                                 |         |    |                     |        |    |                                    |     |     |                      |          |    |                                 |          |    |                                  |          |    |                              |          |    |  |  |
|                            | HCHO (Formaldehyde)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.0008                                                                                                                                                                                           | --                                                       |                                                          |                                  |                                  |       |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |          |    |                                                    |          |    |                                            |         |    |                                                 |         |    |                     |        |    |                                    |     |     |                      |          |    |                                 |          |    |                                  |          |    |                              |          |    |  |  |
|                            | MFR FE (Manufacturer Fuel Economy)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 9.8                                                                                                                                                                                              | 9.8                                                      |                                                          |                                  |                                  |       |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |          |    |                                                    |          |    |                                            |         |    |                                                 |         |    |                     |        |    |                                    |     |     |                      |          |    |                                 |          |    |                                  |          |    |                              |          |    |  |  |
|                            | NOX (Nitrogen Oxide)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.012832                                                                                                                                                                                         | --                                                       |                                                          |                                  |                                  |       |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |          |    |                                                    |          |    |                                            |         |    |                                                 |         |    |                     |        |    |                                    |     |     |                      |          |    |                                 |          |    |                                  |          |    |                              |          |    |  |  |
|                            | HC-NM (Non-methane Hydrocarbon)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0.116287                                                                                                                                                                                         | --                                                       |                                                          |                                  |                                  |       |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |          |    |                                                    |          |    |                                            |         |    |                                                 |         |    |                     |        |    |                                    |     |     |                      |          |    |                                 |          |    |                                  |          |    |                              |          |    |  |  |
|                            | NMOG (Non-methane organic gases)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.127989                                                                                                                                                                                         | --                                                       |                                                          |                                  |                                  |       |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |          |    |                                                    |          |    |                                            |         |    |                                                 |         |    |                     |        |    |                                    |     |     |                      |          |    |                                 |          |    |                                  |          |    |                              |          |    |  |  |
|                            | HC-TOTAL (Total Hydrocarbon)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0.137862                                                                                                                                                                                         | --                                                       |                                                          |                                  |                                  |       |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |          |    |                                                    |          |    |                                            |         |    |                                                 |         |    |                     |        |    |                                    |     |     |                      |          |    |                                 |          |    |                                  |          |    |                              |          |    |  |  |
|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <table><tr><th>Test Result Name</th><th>Unrounded Test Result</th><th>Verify Calculated CREE/OPT-CREE</th></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>888</td><td>--</td></tr></table> | Test Result Name                                         | Unrounded Test Result                                    | Verify Calculated CREE/OPT-CREE  | Carbon-Related Exhaust Emissions | 888   | --                               |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |          |    |                                                    |          |    |                                            |         |    |                                                 |         |    |                     |        |    |                                    |     |     |                      |          |    |                                 |          |    |                                  |          |    |                              |          |    |  |  |
|                            | Test Result Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Unrounded Test Result                                                                                                                                                                            | Verify Calculated CREE/OPT-CREE                          |                                                          |                                  |                                  |       |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |          |    |                                                    |          |    |                                            |         |    |                                                 |         |    |                     |        |    |                                    |     |     |                      |          |    |                                 |          |    |                                  |          |    |                              |          |    |  |  |
|                            | Carbon-Related Exhaust Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 888                                                                                                                                                                                              | --                                                       |                                                          |                                  |                                  |       |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |          |    |                                                    |          |    |                                            |         |    |                                                 |         |    |                     |        |    |                                    |     |     |                      |          |    |                                 |          |    |                                  |          |    |                              |          |    |  |  |
|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <table><tr><th>Test Result Name</th><th>Unrounded Test Result</th><th>Verify Calculated CO2</th></tr><tr><td>Carbon dioxide</td><td>884.8</td><td>--</td></tr></table>                           | Test Result Name                                         | Unrounded Test Result                                    | Verify Calculated CO2            | Carbon dioxide                   | 884.8 | --                               |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |          |    |                                                    |          |    |                                            |         |    |                                                 |         |    |                     |        |    |                                    |     |     |                      |          |    |                                 |          |    |                                  |          |    |                              |          |    |  |  |
|                            | Test Result Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Unrounded Test Result                                                                                                                                                                            | Verify Calculated CO2                                    |                                                          |                                  |                                  |       |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |          |    |                                                    |          |    |                                            |         |    |                                                 |         |    |                     |        |    |                                    |     |     |                      |          |    |                                 |          |    |                                  |          |    |                              |          |    |  |  |
| Carbon dioxide             | 884.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | --                                                                                                                                                                                               |                                                          |                                                          |                                  |                                  |       |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |          |    |                                                    |          |    |                                            |         |    |                                                 |         |    |                     |        |    |                                    |     |     |                      |          |    |                                 |          |    |                                  |          |    |                              |          |    |  |  |
| Manufacturer Test Comments | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                  |                                                          |                                                          |                                  |                                  |       |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |          |          |                           |           |    |                                              |           |    |                                  |            |    |                                  |        |    |                               |           |           |                           |           |    |                                              |           |    |                         |          |    |                      |          |    |                                                    |          |    |                                            |         |    |                                                 |         |    |                     |        |    |                                    |     |     |                      |          |    |                                 |          |    |                                  |          |    |                              |          |    |  |  |

## Certification Summary Information Report

| Test Group           |             | VFMXD07.373K                |               |                | Evaporative/Refueling Family |                  |                          |        |         | VFMXR0250NHJ        |          |           |
|----------------------|-------------|-----------------------------|---------------|----------------|------------------------------|------------------|--------------------------|--------|---------|---------------------|----------|-----------|
| Certification Region | Useful Life | Standard Level              | Emission Name | Rounded Result | RAF                          | NMOG/NM HC Ratio | Diesel Adjustment Factor | Add DF | Mult DF | Certification Level | Standard | Pass/Fail |
| CA                   | 4,000 miles | California LEV-III SULEV230 | CO            | 1.64           | --                           | --               | --                       | --     | --      | 1.6                 | 4.2      | Pass      |
| CA                   | 4,000 miles | California LEV-III SULEV230 | HCHO          | 0.0008         | --                           | --               | --                       | --     | --      | 0.001               | 0.020    | Pass      |
| CA                   | 4,000 miles | California LEV-III SULEV230 | NMOG          | 0.128          | --                           | 1.1              | --                       | --     | --      | 0.128               | 999.999  | Pass      |
| CA                   | 4,000 miles | California LEV-III SULEV230 | NMOG+NOX      | 0.1408         | --                           | --               | --                       | --     | --      | 0.141               | 0.460    | Pass      |
| CA                   | 4,000 miles | California LEV-III SULEV230 | NOX           | 0.0128         | --                           | --               | --                       | --     | --      | 0.013               | 999.999  | Pass      |

## Certification Summary Information Report

|                                                    |                                                                                              |                                                                 |                                                    |
|----------------------------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------------------------------------|
| <b>Test Group</b>                                  | VFMXD07.373K                                                                                 | <b>Evaporative/Refueling Family</b>                             | VFMXR0250NHJ                                       |
| <b>Test #</b>                                      | <b>VFMX10093252</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>                                   | 01/27/2026                                                                                   | <b>Fuel</b>                                                     | Gasoline                                           |
| <b>Fuel Batch ID</b>                               | 373-B                                                                                        | <b>Fuel Calibration Number</b>                                  | 126                                                |
| <b>Vehicle Class</b>                               | HDV2 (Federal HD chassis Class 3 GVW 10001-14000), MDV7 (Cal. LEV 2/3/4 MDV GVW 10001-14000) | <b>DF Type</b>                                                  | Mfr. Determined                                    |
| <b>Verify Test Lab ID</b>                          | APTL                                                                                         |                                                                 |                                                    |
| <b>E10 Evaporative Test Measurement Method</b>     | --                                                                                           |                                                                 |                                                    |
| <b>Test Start Odometer Reading</b>                 | 3795                                                                                         | <b>Odometer Units</b>                                           | M                                                  |
| <b>4WD Test Dyno</b>                               | No                                                                                           | <b>Diesel Adjustment Factor Usage</b>                           | --                                                 |
| <b>State of Charge Delta</b>                       | --                                                                                           |                                                                 |                                                    |
| <b>Drive Cycle Speed Tolerance Criteria</b>        | Used Part 86 (+/- 2 mph, +/- 1 sec)                                                          | <b>Road Speed Fan Usage</b>                                     | Yes                                                |
| <b>Test Results</b>                                |                                                                                              |                                                                 |                                                    |
| <b>Test Result Name</b>                            | <b>Unrounded Test Result</b>                                                                 | <b>Verify Calculated FE Equivalent Value (miles per gallon)</b> |                                                    |
| METHANE (CH4 - Methane)                            | 0.011322                                                                                     | --                                                              |                                                    |
| CO (Carbon Monoxide)                               | 0.332209                                                                                     | --                                                              |                                                    |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | -5.61061                                                                                     | --                                                              |                                                    |
| DT-EER (Drive Trace Energy Economy Rating)         | -0.442414                                                                                    | --                                                              |                                                    |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating)    | -7.16581                                                                                     | --                                                              |                                                    |
| HCHO (Formaldehyde)                                | 0                                                                                            | --                                                              |                                                    |
| MFR FE (Manufacturer Fuel Economy)                 | 15.2                                                                                         | 15.2                                                            |                                                    |
| NOX (Nitrogen Oxide)                               | 0.002203                                                                                     | --                                                              |                                                    |
| N2O (Nitrous Oxide)                                | 0.0004                                                                                       | --                                                              |                                                    |
| HC-NM (Non-methane Hydrocarbon)                    | 0.005791                                                                                     | --                                                              |                                                    |
| NMOG (Non-methane organic gases)                   | 0.006359                                                                                     | --                                                              |                                                    |
| HC-TOTAL (Total Hydrocarbon)                       | 0.016485                                                                                     | --                                                              |                                                    |
| <b>Test Result Name</b>                            | <b>Unrounded Test Result</b>                                                                 | <b>Verify Calculated CREE/OPT-CREE</b>                          |                                                    |
| Carbon-Related Exhaust Emissions                   | 575                                                                                          | 575                                                             |                                                    |
| <b>Test Result Name</b>                            | <b>Unrounded Test Result</b>                                                                 | <b>Verify Calculated CO2</b>                                    |                                                    |
| Carbon dioxide                                     | 573.8                                                                                        | --                                                              |                                                    |
| <b>Manufacturer Test Comments</b>                  | --                                                                                           |                                                                 |                                                    |

## Certification Summary Information Report

| Test Group           |               | VFMXD07.373K                      |               |                |     | Evaporative/Refueling Family |                          |        |         | VFMXR0250NHJ        |          |           |
|----------------------|---------------|-----------------------------------|---------------|----------------|-----|------------------------------|--------------------------|--------|---------|---------------------|----------|-----------|
| 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 HD Class 3 Bin 230 | CO2           | 575            | --  | --                           | --                       | 0      | --      | 575                 | --       | --        |
| Fed                  | 150,000 miles | Federal Tier 3 HD Class 3 Bin 230 | NMOG          | 0.0064         | --  | 1.03                         | --                       | --     | --      | 0.006               | 999.999  | Pass      |
| Fed                  | 150,000 miles | Federal Tier 3 HD Class 3 Bin 230 | NMOG+NOX      | 0.0086         | --  | --                           | --                       | --     | --      | 0.009               | 0.230    | Pass      |
| Fed                  | 150,000 miles | Federal Tier 3 HD Class 3 Bin 230 | NOX           | 0.0022         | --  | --                           | --                       | --     | --      | 0.002               | 999.999  | Pass      |
| CA                   | 150,000 miles | California LEV-III SULEV230       | CO2           | 575            | --  | --                           | --                       | 0      | --      | 575                 | --       | --        |
| CA                   | 150,000 miles | California LEV-III SULEV230       | NMOG          | 0.0064         | --  | 1.03                         | --                       | --     | --      | 0.006               | 999.999  | Pass      |
| CA                   | 150,000 miles | California LEV-III SULEV230       | NMOG+NOX      | 0.0086         | --  | --                           | --                       | --     | --      | 0.009               | 0.230    | Pass      |
| CA                   | 150,000 miles | California LEV-III SULEV230       | NOX           | 0.0022         | --  | --                           | --                       | --     | --      | 0.002               | 999.999  | Pass      |

**NOTE: For Non-charge depleting tests, the Rounded Result for CO2 Emission name is a Verify-calculated value.**

## Certification Summary Information Report

| <b>Test Group</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | VFMXD07.373K                                                                                 | <b>Evaporative/Refueling Family</b>                      | VFMXR0250NHJ              |                  |                       |                                                          |                                  |          |     |                      |          |    |                                                    |         |    |                                            |           |    |                                                 |         |    |                                    |      |      |                      |          |    |                     |      |    |                                 |          |    |                                  |         |    |                              |          |    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------|------------------|-----------------------|----------------------------------------------------------|----------------------------------|----------|-----|----------------------|----------|----|----------------------------------------------------|---------|----|--------------------------------------------|-----------|----|-------------------------------------------------|---------|----|------------------------------------|------|------|----------------------|----------|----|---------------------|------|----|---------------------------------|----------|----|----------------------------------|---------|----|------------------------------|----------|----|
| <b>Test #</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>VFMX10093256</b>                                                                          | <b>Test Procedure</b>                                    | <b>3 - HWFE</b>           |                  |                       |                                                          |                                  |          |     |                      |          |    |                                                    |         |    |                                            |           |    |                                                 |         |    |                                    |      |      |                      |          |    |                     |      |    |                                 |          |    |                                  |         |    |                              |          |    |
| <b>Exhaust Test # for this Evap Test</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | --                                                                                           | <b>Test Fuel Type</b>                                    | 61 - Tier 2 Cert Gasoline |                  |                       |                                                          |                                  |          |     |                      |          |    |                                                    |         |    |                                            |           |    |                                                 |         |    |                                    |      |      |                      |          |    |                     |      |    |                                 |          |    |                                  |         |    |                              |          |    |
| <b>Test Date</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 02/03/2026                                                                                   | <b>Fuel</b>                                              | Gasoline                  |                  |                       |                                                          |                                  |          |     |                      |          |    |                                                    |         |    |                                            |           |    |                                                 |         |    |                                    |      |      |                      |          |    |                     |      |    |                                 |          |    |                                  |         |    |                              |          |    |
| <b>Fuel Batch ID</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | CERT_5                                                                                       | <b>Fuel Calibration Number</b>                           | 190                       |                  |                       |                                                          |                                  |          |     |                      |          |    |                                                    |         |    |                                            |           |    |                                                 |         |    |                                    |      |      |                      |          |    |                     |      |    |                                 |          |    |                                  |         |    |                              |          |    |
| <b>Vehicle Class</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | HDV2 (Federal HD chassis Class 3 GVW 10001-14000), MDV7 (Cal. LEV 2/3/4 MDV GVW 10001-14000) | <b>DF Type</b>                                           | Mfr. Determined           |                  |                       |                                                          |                                  |          |     |                      |          |    |                                                    |         |    |                                            |           |    |                                                 |         |    |                                    |      |      |                      |          |    |                     |      |    |                                 |          |    |                                  |         |    |                              |          |    |
| <b>Verify Test Lab ID</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | APTL                                                                                         |                                                          |                           |                  |                       |                                                          |                                  |          |     |                      |          |    |                                                    |         |    |                                            |           |    |                                                 |         |    |                                    |      |      |                      |          |    |                     |      |    |                                 |          |    |                                  |         |    |                              |          |    |
| <b>E10 Evaporative Test Measurement Method</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | --                                                                                           |                                                          |                           |                  |                       |                                                          |                                  |          |     |                      |          |    |                                                    |         |    |                                            |           |    |                                                 |         |    |                                    |      |      |                      |          |    |                     |      |    |                                 |          |    |                                  |         |    |                              |          |    |
| <b>Test Start Odometer Reading</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3860                                                                                         | <b>Odometer Units</b>                                    | M                         |                  |                       |                                                          |                                  |          |     |                      |          |    |                                                    |         |    |                                            |           |    |                                                 |         |    |                                    |      |      |                      |          |    |                     |      |    |                                 |          |    |                                  |         |    |                              |          |    |
| <b>4WD Test Dyno</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | No                                                                                           | <b>Diesel Adjustment Factor Usage</b>                    | --                        |                  |                       |                                                          |                                  |          |     |                      |          |    |                                                    |         |    |                                            |           |    |                                                 |         |    |                                    |      |      |                      |          |    |                     |      |    |                                 |          |    |                                  |         |    |                              |          |    |
| <b>State of Charge Delta</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | --                                                                                           |                                                          |                           |                  |                       |                                                          |                                  |          |     |                      |          |    |                                                    |         |    |                                            |           |    |                                                 |         |    |                                    |      |      |                      |          |    |                     |      |    |                                 |          |    |                                  |         |    |                              |          |    |
| <b>Drive Cycle Speed Tolerance Criteria</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Used Part 86 (+/- 2 mph, +/- 1 sec)                                                          | <b>Road Speed Fan Usage</b>                              | Yes                       |                  |                       |                                                          |                                  |          |     |                      |          |    |                                                    |         |    |                                            |           |    |                                                 |         |    |                                    |      |      |                      |          |    |                     |      |    |                                 |          |    |                                  |         |    |                              |          |    |
| <b>Test Results</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                              |                                                          |                           |                  |                       |                                                          |                                  |          |     |                      |          |    |                                                    |         |    |                                            |           |    |                                                 |         |    |                                    |      |      |                      |          |    |                     |      |    |                                 |          |    |                                  |         |    |                              |          |    |
| <table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value (miles per gallon)</th> </tr> </thead> <tbody> <tr> <td>METHANE (CH4 - Methane)</td> <td>0.015828</td> <td>--</td> </tr> <tr> <td>CO (Carbon Monoxide)</td> <td>0.658665</td> <td>--</td> </tr> <tr> <td>DT-ASCR (Drive Trace Absolute Speed Change Rating)</td> <td>3.60704</td> <td>--</td> </tr> <tr> <td>DT-EER (Drive Trace Energy Economy Rating)</td> <td>-0.407395</td> <td>--</td> </tr> <tr> <td>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</td> <td>4.52919</td> <td>--</td> </tr> <tr> <td>MFR FE (Manufacturer Fuel Economy)</td> <td>15.1</td> <td>15.1</td> </tr> <tr> <td>NOX (Nitrogen Oxide)</td> <td>0.037717</td> <td>--</td> </tr> <tr> <td>N2O (Nitrous Oxide)</td> <td>0.02</td> <td>--</td> </tr> <tr> <td>HC-NM (Non-methane Hydrocarbon)</td> <td>0.011817</td> <td>--</td> </tr> <tr> <td>NMOG (Non-methane organic gases)</td> <td>0.01229</td> <td>--</td> </tr> <tr> <td>HC-TOTAL (Total Hydrocarbon)</td> <td>0.027143</td> <td>--</td> </tr> </tbody> </table> |                                                                                              |                                                          |                           | Test Result Name | Unrounded Test Result | Verify Calculated FE Equivalent Value (miles per gallon) | METHANE (CH4 - Methane)          | 0.015828 | --  | CO (Carbon Monoxide) | 0.658665 | -- | DT-ASCR (Drive Trace Absolute Speed Change Rating) | 3.60704 | -- | DT-EER (Drive Trace Energy Economy Rating) | -0.407395 | -- | DT-IWRR (Drive Trace Inertia Work Ratio Rating) | 4.52919 | -- | MFR FE (Manufacturer Fuel Economy) | 15.1 | 15.1 | NOX (Nitrogen Oxide) | 0.037717 | -- | N2O (Nitrous Oxide) | 0.02 | -- | HC-NM (Non-methane Hydrocarbon) | 0.011817 | -- | NMOG (Non-methane organic gases) | 0.01229 | -- | HC-TOTAL (Total Hydrocarbon) | 0.027143 | -- |
| Test Result Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Unrounded Test Result                                                                        | Verify Calculated FE Equivalent Value (miles per gallon) |                           |                  |                       |                                                          |                                  |          |     |                      |          |    |                                                    |         |    |                                            |           |    |                                                 |         |    |                                    |      |      |                      |          |    |                     |      |    |                                 |          |    |                                  |         |    |                              |          |    |
| METHANE (CH4 - Methane)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0.015828                                                                                     | --                                                       |                           |                  |                       |                                                          |                                  |          |     |                      |          |    |                                                    |         |    |                                            |           |    |                                                 |         |    |                                    |      |      |                      |          |    |                     |      |    |                                 |          |    |                                  |         |    |                              |          |    |
| CO (Carbon Monoxide)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0.658665                                                                                     | --                                                       |                           |                  |                       |                                                          |                                  |          |     |                      |          |    |                                                    |         |    |                                            |           |    |                                                 |         |    |                                    |      |      |                      |          |    |                     |      |    |                                 |          |    |                                  |         |    |                              |          |    |
| DT-ASCR (Drive Trace Absolute Speed Change Rating)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3.60704                                                                                      | --                                                       |                           |                  |                       |                                                          |                                  |          |     |                      |          |    |                                                    |         |    |                                            |           |    |                                                 |         |    |                                    |      |      |                      |          |    |                     |      |    |                                 |          |    |                                  |         |    |                              |          |    |
| DT-EER (Drive Trace Energy Economy Rating)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -0.407395                                                                                    | --                                                       |                           |                  |                       |                                                          |                                  |          |     |                      |          |    |                                                    |         |    |                                            |           |    |                                                 |         |    |                                    |      |      |                      |          |    |                     |      |    |                                 |          |    |                                  |         |    |                              |          |    |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4.52919                                                                                      | --                                                       |                           |                  |                       |                                                          |                                  |          |     |                      |          |    |                                                    |         |    |                                            |           |    |                                                 |         |    |                                    |      |      |                      |          |    |                     |      |    |                                 |          |    |                                  |         |    |                              |          |    |
| MFR FE (Manufacturer Fuel Economy)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 15.1                                                                                         | 15.1                                                     |                           |                  |                       |                                                          |                                  |          |     |                      |          |    |                                                    |         |    |                                            |           |    |                                                 |         |    |                                    |      |      |                      |          |    |                     |      |    |                                 |          |    |                                  |         |    |                              |          |    |
| NOX (Nitrogen Oxide)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0.037717                                                                                     | --                                                       |                           |                  |                       |                                                          |                                  |          |     |                      |          |    |                                                    |         |    |                                            |           |    |                                                 |         |    |                                    |      |      |                      |          |    |                     |      |    |                                 |          |    |                                  |         |    |                              |          |    |
| N2O (Nitrous Oxide)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0.02                                                                                         | --                                                       |                           |                  |                       |                                                          |                                  |          |     |                      |          |    |                                                    |         |    |                                            |           |    |                                                 |         |    |                                    |      |      |                      |          |    |                     |      |    |                                 |          |    |                                  |         |    |                              |          |    |
| HC-NM (Non-methane Hydrocarbon)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.011817                                                                                     | --                                                       |                           |                  |                       |                                                          |                                  |          |     |                      |          |    |                                                    |         |    |                                            |           |    |                                                 |         |    |                                    |      |      |                      |          |    |                     |      |    |                                 |          |    |                                  |         |    |                              |          |    |
| NMOG (Non-methane organic gases)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.01229                                                                                      | --                                                       |                           |                  |                       |                                                          |                                  |          |     |                      |          |    |                                                    |         |    |                                            |           |    |                                                 |         |    |                                    |      |      |                      |          |    |                     |      |    |                                 |          |    |                                  |         |    |                              |          |    |
| HC-TOTAL (Total Hydrocarbon)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.027143                                                                                     | --                                                       |                           |                  |                       |                                                          |                                  |          |     |                      |          |    |                                                    |         |    |                                            |           |    |                                                 |         |    |                                    |      |      |                      |          |    |                     |      |    |                                 |          |    |                                  |         |    |                              |          |    |
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| Test Result Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Unrounded Test Result                                                                        | Verify Calculated CREE/OPT-CREE                          |                           |                  |                       |                                                          |                                  |          |     |                      |          |    |                                                    |         |    |                                            |           |    |                                                 |         |    |                                    |      |      |                      |          |    |                     |      |    |                                 |          |    |                                  |         |    |                              |          |    |
| Carbon-Related Exhaust Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 588                                                                                          | 588                                                      |                           |                  |                       |                                                          |                                  |          |     |                      |          |    |                                                    |         |    |                                            |           |    |                                                 |         |    |                                    |      |      |                      |          |    |                     |      |    |                                 |          |    |                                  |         |    |                              |          |    |
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| Test Result Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Unrounded Test Result                                                                        | Verify Calculated CO2                                    |                           |                  |                       |                                                          |                                  |          |     |                      |          |    |                                                    |         |    |                                            |           |    |                                                 |         |    |                                    |      |      |                      |          |    |                     |      |    |                                 |          |    |                                  |         |    |                              |          |    |
| Carbon dioxide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 586.9                                                                                        | --                                                       |                           |                  |                       |                                                          |                                  |          |     |                      |          |    |                                                    |         |    |                                            |           |    |                                                 |         |    |                                    |      |      |                      |          |    |                     |      |    |                                 |          |    |                                  |         |    |                              |          |    |
| <b>Manufacturer Test Comments</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | --                                                                                           |                                                          |                           |                  |                       |                                                          |                                  |          |     |                      |          |    |                                                    |         |    |                                            |           |    |                                                 |         |    |                                    |      |      |                      |          |    |                     |      |    |                                 |          |    |                                  |         |    |                              |          |    |

## Certification Summary Information Report

| Test Group           |               | VFMXD07.373K                      |               |                | Evaporative/Refueling Family |                  |                          |        |         | VFMXR0250NHJ        |          |           |
|----------------------|---------------|-----------------------------------|---------------|----------------|------------------------------|------------------|--------------------------|--------|---------|---------------------|----------|-----------|
| 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 HD Class 3 Bin 230 | CO2           | 588            | --                           | --               | --                       | 0      | --      | 588                 | --       | --        |
| Fed                  | 150,000 miles | Federal Tier 3 HD Class 3 Bin 230 | NMOG          | 0.0123         | --                           | 1.03             | --                       | --     | --      | 0.012               | 999.999  | Pass      |
| Fed                  | 150,000 miles | Federal Tier 3 HD Class 3 Bin 230 | NMOG+NOX      | 0.05           | --                           | --               | --                       | --     | --      | 0.05                | 0.230    | Pass      |
| Fed                  | 150,000 miles | Federal Tier 3 HD Class 3 Bin 230 | NOX           | 0.0377         | --                           | --               | --                       | --     | --      | 0.038               | 999.999  | Pass      |
| CA                   | 150,000 miles | California LEV-III SULEV230       | CO2           | 588            | --                           | --               | --                       | 0      | --      | 588                 | --       | --        |
| CA                   | 150,000 miles | California LEV-III SULEV230       | NMOG          | 0.0123         | --                           | 1.03             | --                       | --     | --      | 0.012               | 999.999  | Pass      |
| CA                   | 150,000 miles | California LEV-III SULEV230       | NMOG+NOX      | 0.05           | --                           | --               | --                       | --     | --      | 0.05                | 0.230    | Pass      |
| CA                   | 150,000 miles | California LEV-III SULEV230       | NOX           | 0.0377         | --                           | --               | --                       | --     | --      | 0.038               | 999.999  | Pass      |

**NOTE: For Non-charge depleting tests, the Rounded Result for CO2 Emission name is a Verify-calculated value.**

## Certification Summary Information Report

|                                                    |                                                                                              |                                                                 |                                                    |
|----------------------------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------------------------------------|
| <b>Test Group</b>                                  | VFMXD07.373K                                                                                 | <b>Evaporative/Refueling Family</b>                             | VFMXR0250NHJ                                       |
| <b>Test #</b>                                      | <b>VFMX10093253</b>                                                                          | <b>Test Procedure</b>                                           | <b>16 - Hot 1435 LA92</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>                                   | 01/29/2026                                                                                   | <b>Fuel</b>                                                     | Gasoline                                           |
| <b>Fuel Batch ID</b>                               | 373-B                                                                                        | <b>Fuel Calibration Number</b>                                  | 126                                                |
| <b>Vehicle Class</b>                               | HDV2 (Federal HD chassis Class 3 GVW 10001-14000), MDV7 (Cal. LEV 2/3/4 MDV GVW 10001-14000) | <b>DF Type</b>                                                  | Mfr. Determined                                    |
| <b>Verify Test Lab ID</b>                          | APTL                                                                                         |                                                                 |                                                    |
| <b>E10 Evaporative Test Measurement Method</b>     | --                                                                                           |                                                                 |                                                    |
| <b>Test Start Odometer Reading</b>                 | 3833                                                                                         | <b>Odometer Units</b>                                           | M                                                  |
| <b>4WD Test Dyno</b>                               | No                                                                                           | <b>Diesel Adjustment Factor Usage</b>                           | --                                                 |
| <b>State of Charge Delta</b>                       | --                                                                                           |                                                                 |                                                    |
| <b>Drive Cycle Speed Tolerance Criteria</b>        | Used Part 86 (+/- 2 mph, +/- 1 sec)                                                          | <b>Road Speed Fan Usage</b>                                     | Yes                                                |
| <b>Test Results</b>                                |                                                                                              |                                                                 |                                                    |
| <b>Test Result Name</b>                            | <b>Unrounded Test Result</b>                                                                 | <b>Verify Calculated FE Equivalent Value (miles per gallon)</b> |                                                    |
| CO BAG 1 (Bag 1 Carbon Monoxide)                   | 1.4181                                                                                       | --                                                              |                                                    |
| CH4 BAG 1 (Bag 1 Methane)                          | 0.0266757                                                                                    | --                                                              |                                                    |
| NMOG BAG 1 (Bag 1 Non-methane organic gases)       | 0.0236927                                                                                    | --                                                              |                                                    |
| METHANE (CH4 - Methane)                            | 0.026676                                                                                     | --                                                              |                                                    |
| CO (Carbon Monoxide)                               | 1.41808                                                                                      | --                                                              |                                                    |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | -0.352389                                                                                    | --                                                              |                                                    |
| DT-EER (Drive Trace Energy Economy Rating)         | 0.321376                                                                                     | --                                                              |                                                    |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating)    | -0.064676                                                                                    | --                                                              |                                                    |
| MFR FE (Manufacturer Fuel Economy)                 | 8.9                                                                                          | 8.9                                                             |                                                    |
| NOX (Nitrogen Oxide)                               | 0.148139                                                                                     | --                                                              |                                                    |
| HC-NM (Non-methane Hydrocarbon)                    | 0.023003                                                                                     | --                                                              |                                                    |
| NMOG (Non-methane organic gases)                   | 0.025259                                                                                     | --                                                              |                                                    |
| PM (Particulate Matter)                            | 0.006907                                                                                     | --                                                              |                                                    |
| HC-TOTAL (Total Hydrocarbon)                       | 0.048844                                                                                     | --                                                              |                                                    |
| <b>Test Result Name</b>                            | <b>Unrounded Test Result</b>                                                                 | <b>Verify Calculated CREE/OPT-CREE</b>                          |                                                    |
| Carbon-Related Exhaust Emissions                   | 983                                                                                          | --                                                              |                                                    |
| <b>Test Result Name</b>                            | <b>Unrounded Test Result</b>                                                                 | <b>Verify Calculated CO2</b>                                    |                                                    |
| Carbon dioxide                                     | 980.9                                                                                        | --                                                              |                                                    |

## Certification Summary Information Report

| Test Group                 |               | VFMXD07.373K                      |               |                |     | Evaporative/Refueling Family |                          |        |         | VFMXR0250NHJ        |          |           |
|----------------------------|---------------|-----------------------------------|---------------|----------------|-----|------------------------------|--------------------------|--------|---------|---------------------|----------|-----------|
| Manufacturer Test Comments |               | --                                |               |                |     |                              |                          |        |         |                     |          |           |
| 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 HD Class 3 Bin 230 | CO            | 1.4181         | --  | --                           | --                       | --     | --      | 1.418               | 999.999  | Pass      |
| Fed                        | 150,000 miles | Federal Tier 3 HD Class 3 Bin 230 | NMOG          | 0.0253         | --  | 1.03                         | --                       | --     | --      | 0.025               | 999.999  | Pass      |
| Fed                        | 150,000 miles | Federal Tier 3 HD Class 3 Bin 230 | NMOG+NOX      | 0.1734         | --  | --                           | --                       | --     | --      | 0.173               | 999.999  | Pass      |
| Fed                        | 150,000 miles | Federal Tier 3 HD Class 3 Bin 230 | NOX           | 0.1481         | --  | --                           | --                       | --     | --      | 0.148               | 999.999  | Pass      |
| Fed                        | 150,000 miles | Federal Tier 3 HD Class 3 Bin 230 | PM            | 0.0069         | --  | --                           | --                       | --     | --      | 0.007               | 999.999  | Pass      |
| CA                         | 150,000 miles | California LEV-III SULEV230       | CO            | 1.4181         | --  | --                           | --                       | --     | --      | 1.418               | 999.999  | Pass      |
| CA                         | 150,000 miles | California LEV-III SULEV230       | NMOG          | 0.0253         | --  | 1.03                         | --                       | --     | --      | 0.025               | 999.999  | Pass      |
| CA                         | 150,000 miles | California LEV-III SULEV230       | NOX           | 0.1481         | --  | --                           | --                       | --     | --      | 0.148               | 999.999  | Pass      |
| CA                         | 150,000 miles | California LEV-III SULEV230       | PM            | 0.0069         | --  | --                           | --                       | --     | --      | 0.007               | 999.999  | Pass      |

## Certification Summary Information Report

|                                                    |                                                                                              |                                                                 |                                                    |
|----------------------------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------------------------------------|
| <b>Test Group</b>                                  | VFMXD07.373K                                                                                 | <b>Evaporative/Refueling Family</b>                             | VFMXR0250NHJ                                       |
| <b>Test #</b>                                      | <b>VFMX10093254</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>                                   | 01/27/2026                                                                                   | <b>Fuel</b>                                                     | Gasoline                                           |
| <b>Fuel Batch ID</b>                               | 373-B                                                                                        | <b>Fuel Calibration Number</b>                                  | 126                                                |
| <b>Vehicle Class</b>                               | HDV2 (Federal HD chassis Class 3 GVW 10001-14000), MDV7 (Cal. LEV 2/3/4 MDV GVW 10001-14000) | <b>DF Type</b>                                                  | Mfr. Determined                                    |
| <b>Verify Test Lab ID</b>                          | APTL                                                                                         |                                                                 |                                                    |
| <b>E10 Evaporative Test Measurement Method</b>     | --                                                                                           |                                                                 |                                                    |
| <b>Test Start Odometer Reading</b>                 | 3826                                                                                         | <b>Odometer Units</b>                                           | M                                                  |
| <b>4WD Test Dyno</b>                               | No                                                                                           | <b>Diesel Adjustment Factor Usage</b>                           | --                                                 |
| <b>State of Charge Delta</b>                       | --                                                                                           |                                                                 |                                                    |
| <b>Drive Cycle Speed Tolerance Criteria</b>        | Used Part 86 (+/- 2 mph, +/- 1 sec)                                                          | <b>Road Speed Fan Usage</b>                                     | Yes                                                |
| <b>Test Results</b>                                |                                                                                              |                                                                 |                                                    |
| <b>Test Result Name</b>                            | <b>Unrounded Test Result</b>                                                                 | <b>Verify Calculated FE Equivalent Value (miles per gallon)</b> |                                                    |
| METHANE (CH4 - Methane)                            | 0.047188                                                                                     | --                                                              |                                                    |
| CO (Carbon Monoxide)                               | 1.85106                                                                                      | --                                                              |                                                    |
| DT-ASCR (Drive Trace Absolute Speed Change Rating) | 0.283914                                                                                     | --                                                              |                                                    |
| DT-EER (Drive Trace Energy Economy Rating)         | 0.19195                                                                                      | --                                                              |                                                    |
| DT-IWRR (Drive Trace Inertia Work Ratio Rating)    | 0.395049                                                                                     | --                                                              |                                                    |
| MFR FE (Manufacturer Fuel Economy)                 | 8.8                                                                                          | 8.8                                                             |                                                    |
| NOX (Nitrogen Oxide)                               | 0.113751                                                                                     | --                                                              |                                                    |
| HC-NM (Non-methane Hydrocarbon)                    | 0.068108                                                                                     | --                                                              |                                                    |
| NMOG (Non-methane organic gases)                   | 0.074788                                                                                     | --                                                              |                                                    |
| PM (Particulate Matter)                            | 0.00316                                                                                      | --                                                              |                                                    |
| HC-TOTAL (Total Hydrocarbon)                       | 0.118598                                                                                     | --                                                              |                                                    |
| <b>Test Result Name</b>                            | <b>Unrounded Test Result</b>                                                                 | <b>Verify Calculated CREE/OPT-CREE</b>                          |                                                    |
| Carbon-Related Exhaust Emissions                   | 989                                                                                          | --                                                              |                                                    |
| <b>Test Result Name</b>                            | <b>Unrounded Test Result</b>                                                                 | <b>Verify Calculated CO2</b>                                    |                                                    |
| Carbon dioxide                                     | 986                                                                                          | --                                                              |                                                    |
| <b>Manufacturer Test Comments</b>                  | --                                                                                           |                                                                 |                                                    |

## Certification Summary Information Report

| Test Group           |               | VFMXD07.373K                      |               |                | Evaporative/Refueling Family |                  |                          |        |         | VFMXR0250NHJ        |          |           |
|----------------------|---------------|-----------------------------------|---------------|----------------|------------------------------|------------------|--------------------------|--------|---------|---------------------|----------|-----------|
| 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 HD Class 3 Bin 230 | CO            | 1.8511         | --                           | --               | --                       | --     | --      | 1.851               | 999.999  | Pass      |
| Fed                  | 150,000 miles | Federal Tier 3 HD Class 3 Bin 230 | NMOG          | 0.0748         | --                           | 1.03             | --                       | --     | --      | 0.075               | 999.999  | Pass      |
| Fed                  | 150,000 miles | Federal Tier 3 HD Class 3 Bin 230 | NOX           | 0.1138         | --                           | --               | --                       | --     | --      | 0.114               | 999.999  | Pass      |
| Fed                  | 150,000 miles | Federal Tier 3 HD Class 3 Bin 230 | PM            | 0.0032         | --                           | --               | --                       | --     | --      | 0.003               | 999.999  | Pass      |
| CA                   | 150,000 miles | California LEV-III SULEV230       | CO            | 1.8511         | --                           | --               | --                       | --     | --      | 1.851               | 999.999  | Pass      |
| CA                   | 150,000 miles | California LEV-III SULEV230       | NMOG          | 0.0748         | --                           | 1.03             | --                       | --     | --      | 0.075               | 999.999  | Pass      |
| CA                   | 150,000 miles | California LEV-III SULEV230       | NOX           | 0.1138         | --                           | --               | --                       | --     | --      | 0.114               | 999.999  | Pass      |
| CA                   | 150,000 miles | California LEV-III SULEV230       | PM            | 0.0032         | --                           | --               | --                       | --     | --      | 0.003               | 999.999  | Pass      |

## Certification Summary Information Report

| Test Group                                                                | VFMXD07.373K                                       | Evaporative/Refueling Family                                              | VFMXR0250NHJ |
|---------------------------------------------------------------------------|----------------------------------------------------|---------------------------------------------------------------------------|--------------|
| <b>Fuel Properties</b>                                                    |                                                    |                                                                           |              |
| <b>Fuel Batch ID</b>                                                      | <b>373-B</b>                                       | <b>Fuel Calibration Number</b>                                            | <b>126</b>   |
| <b>Test Fuel Type</b>                                                     | 48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.) | <b>Fuel Batch Calibration Date</b>                                        | 01/21/2026   |
| <b>Fuel Batch Calibration Effective Date</b>                              | 01/21/2026                                         | <b>Fuel Batch Calibration Ineffective Date</b>                            | 12/31/2100   |
| <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>                                              | 0.752        |
| <b>Fuel Ethanol Volume Percent (%)</b>                                    | 9.6                                                | <b>Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)</b> | --           |
| <b>Fuel Net Heat of Combustion (E10) (MJ/kg)</b>                          | 41.412                                             | <b>Fuel Carbon Mass Fraction (E10)</b>                                    | 0.829        |
| <b>Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)</b> | --                                                 | <b>Weight Fraction CO2</b>                                                | --           |
| <b>Fuel Batch ID</b>                                                      | <b>CERT_5</b>                                      | <b>Fuel Calibration Number</b>                                            | <b>190</b>   |
| <b>Test Fuel Type</b>                                                     | 61 - Tier 2 Cert Gasoline                          | <b>Fuel Batch Calibration Date</b>                                        | 01/20/2026   |
| <b>Fuel Batch Calibration Effective Date</b>                              | 01/20/2026                                         | <b>Fuel Batch Calibration Ineffective Date</b>                            | 12/31/2100   |
| <b>Carbon Weight Fraction NMHC</b>                                        | --                                                 | <b>Carbon Weight Fraction HC</b>                                          | --           |
| <b>Exhaust Carbon Weight Fraction</b>                                     | --                                                 | <b>Fuel Methanol Volume Fraction</b>                                      | --           |
| <b>Fuel Density (grams/cubic ft)</b>                                      | --                                                 | <b>Fuel Specific Gravity</b>                                              | 0.744        |
| <b>Fuel Ethanol Volume Percent (%)</b>                                    | --                                                 | <b>Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)</b> | 18463        |
| <b>Fuel Net Heat of Combustion (E10) (MJ/kg)</b>                          | 42.945                                             | <b>Fuel Carbon Mass Fraction (E10)</b>                                    | 0.866        |
| <b>Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)</b> | 0.866                                              | <b>Weight Fraction CO2</b>                                                | --           |
| <b>Fuel Batch ID</b>                                                      | <b>373-B</b>                                       | <b>Fuel Calibration Number</b>                                            | <b>124</b>   |
| <b>Test Fuel Type</b>                                                     | 48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.) | <b>Fuel Batch Calibration Date</b>                                        | 12/17/2025   |
| <b>Fuel Batch Calibration Effective Date</b>                              | 12/17/2025                                         | <b>Fuel Batch Calibration Ineffective Date</b>                            | 12/31/2100   |
| <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>                                              | 0.752        |
| <b>Fuel Ethanol Volume Percent (%)</b>                                    | 9.9                                                | <b>Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)</b> | --           |
| <b>Fuel Net Heat of Combustion (E10) (MJ/kg)</b>                          | 41.349                                             | <b>Fuel Carbon Mass Fraction (E10)</b>                                    | 0.828        |
| <b>Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)</b> | --                                                 | <b>Weight Fraction CO2</b>                                                | --           |
| <b>Fuel Batch ID</b>                                                      | <b>373-B</b>                                       | <b>Fuel Calibration Number</b>                                            | <b>43</b>    |
| <b>Test Fuel Type</b>                                                     | 48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.) | <b>Fuel Batch Calibration Date</b>                                        | 08/14/2019   |
| <b>Fuel Batch Calibration Effective Date</b>                              | 08/14/2019                                         | <b>Fuel Batch Calibration Ineffective Date</b>                            | 12/31/2100   |

## Certification Summary Information Report

| Test Group                                                         | VFMXD07.373K | Evaporative/Refueling Family                                       | VFMXR0250NHJ |
|--------------------------------------------------------------------|--------------|--------------------------------------------------------------------|--------------|
| Carbon Weight Fraction NMHC                                        | --           | Carbon Weight Fraction HC                                          | --           |
| Exhaust Carbon Weight Fraction                                     | --           | Fuel Methanol Volume Fraction                                      | --           |
| Fuel Density (grams/cubic ft)                                      | --           | Fuel Specific Gravity                                              | 0.751        |
| Fuel Ethanol Volume Percent (%)                                    | 9.6          | Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb) | 17875        |
| Fuel Net Heat of Combustion (E10) (MJ/kg)                          | --           | Fuel Carbon Mass Fraction (E10)                                    | --           |
| Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0) | 0.828        | Weight Fraction CO2                                                | --           |

## Certification Summary Information Report

|                                |               |                                                   |     |             |                                 |                                   |         |                                         |         |  |
|--------------------------------|---------------|---------------------------------------------------|-----|-------------|---------------------------------|-----------------------------------|---------|-----------------------------------------|---------|--|
| Test Group                     |               | VFMXD07.373K                                      |     |             | Evaporative/Refueling Family    |                                   |         | VFMXR0250NHJ                            |         |  |
| Consolidated List of Standards |               |                                                   |     |             |                                 |                                   |         |                                         |         |  |
| Exhaust Standards              |               |                                                   |     |             |                                 |                                   |         |                                         |         |  |
| Cert Region                    |               | Federal                                           |     |             | Cert/In-Use Code                |                                   |         | Cert                                    |         |  |
| Vehicle Class                  |               | HDV2 (Federal HD chassis Class 3 GVW 10001-14000) |     |             | Standard Level                  |                                   |         | Federal Tier 3 HD Class 3 Bin 230       |         |  |
| 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            | --                                                | --  | --          | --                              | --                                | --      | --                                      | 999.999 |  |
| 150,000 miles                  | NMOG          | --                                                | --  | 1.03        | --                              | --                                | --      | --                                      | 999.999 |  |
| 150,000 miles                  | NOX           | --                                                | --  | --          | --                              | --                                | --      | --                                      | 999.999 |  |
| 150,000 miles                  | PM            | --                                                | --  | --          | --                              | --                                | --      | --                                      | 999.999 |  |
|                                |               |                                                   |     |             |                                 |                                   |         |                                         |         |  |
| Cert Region                    |               | Federal                                           |     |             | Cert/In-Use Code                |                                   |         | Cert                                    |         |  |
| Vehicle Class                  |               | HDV2 (Federal HD chassis Class 3 GVW 10001-14000) |     |             | Standard Level                  |                                   |         | Federal Tier 3 HD Class 3 Bin 230       |         |  |
| Fuel                           |               | Gasoline                                          |     |             | Test Procedure                  |                                   |         | Federal fuel 2-day exhaust (w/can load) |         |  |
| Useful Life                    | Emission Name | Rounded Result                                    | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF                                  | Std     |  |
| 150,000 miles                  | CO            | --                                                | --  | --          | --                              | --                                | --      | --                                      | 4.2     |  |
| 150,000 miles                  | CO-COMP       | --                                                | --  | --          | --                              | --                                | --      | --                                      | 4       |  |
| 150,000 miles                  | CO2           | --                                                | --  | --          | --                              | --                                | --      | 0                                       | 999.999 |  |
| 150,000 miles                  | HCHO          | --                                                | --  | --          | --                              | --                                | --      | --                                      | 0.006   |  |
| 150,000 miles                  | METHANE-COMB  | --                                                | --  | --          | --                              | --                                | --      | --                                      | 0.05    |  |
| 150,000 miles                  | N2O-COMB      | --                                                | --  | --          | --                              | --                                | --      | --                                      | 0.05    |  |
| 150,000 miles                  | NMOG          | --                                                | --  | 1.1         | --                              | --                                | --      | --                                      | 999.999 |  |
| 150,000 miles                  | NMOG+NOX      | --                                                | --  | --          | --                              | --                                | 1       | --                                      | 0.230   |  |
| 150,000 miles                  | NMOG+NOX-COMP | --                                                | --  | --          | --                              | --                                | --      | --                                      | 0.350   |  |
| 150,000 miles                  | NOX           | --                                                | --  | --          | --                              | --                                | --      | --                                      | 999.999 |  |
| 150,000 miles                  | PM            | --                                                | --  | --          | --                              | --                                | --      | --                                      | 0.010   |  |
| 150,000 miles                  | PM-COMP       | --                                                | --  | --          | --                              | --                                | --      | --                                      | 0.007   |  |
|                                |               |                                                   |     |             |                                 |                                   |         |                                         |         |  |

## Certification Summary Information Report

|                      |                      |                                           |            |                    |                                        |                                          |                |                                         |            |
|----------------------|----------------------|-------------------------------------------|------------|--------------------|----------------------------------------|------------------------------------------|----------------|-----------------------------------------|------------|
| <b>Test Group</b>    |                      | VFMXD07.373K                              |            |                    | <b>Evaporative/Refueling Family</b>    |                                          |                | VFMXR0250NHJ                            |            |
| <b>Cert Region</b>   |                      | California + CAA Section 177 states       |            |                    | <b>Cert/In-Use Code</b>                |                                          |                | Cert                                    |            |
| <b>Vehicle Class</b> |                      | MDV7 (Cal. LEV 2/3/4 MDV GVW 10001-14000) |            |                    | <b>Standard Level</b>                  |                                          |                | California LEV-III SULEV230             |            |
| <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                   | --                                        | --         | --                 | --                                     | --                                       | --             | --                                      | 4.2        |
| 150,000 miles        | CO-COMP              | --                                        | --         | --                 | --                                     | --                                       | --             | --                                      | 4          |
| 150,000 miles        | CO2                  | --                                        | --         | --                 | --                                     | --                                       | --             | 0                                       | 999.999    |
| 150,000 miles        | HCHO                 | --                                        | --         | --                 | --                                     | --                                       | --             | --                                      | 0.006      |
| 150,000 miles        | METHANE-COMB         | --                                        | --         | --                 | --                                     | --                                       | --             | --                                      | 0.05       |
| 150,000 miles        | N2O-COMB             | --                                        | --         | --                 | --                                     | --                                       | --             | --                                      | 0.05       |
| 150,000 miles        | NMOG                 | --                                        | --         | 1.1                | --                                     | --                                       | --             | --                                      | 999.999    |
| 150,000 miles        | NMOG+NOX             | --                                        | --         | --                 | --                                     | --                                       | 1              | --                                      | 0.230      |
| 150,000 miles        | NMOG+NOX-COMP        | --                                        | --         | --                 | --                                     | --                                       | --             | --                                      | 0.350      |
| 150,000 miles        | NOX                  | --                                        | --         | --                 | --                                     | --                                       | --             | --                                      | 999.999    |
| 150,000 miles        | PM                   | --                                        | --         | --                 | --                                     | --                                       | --             | --                                      | 0.010      |
| 150,000 miles        | PM-COMP              | --                                        | --         | --                 | --                                     | --                                       | --             | --                                      | 0.007      |

|                      |                      |                                           |            |                    |                                        |                                          |                |                             |            |
|----------------------|----------------------|-------------------------------------------|------------|--------------------|----------------------------------------|------------------------------------------|----------------|-----------------------------|------------|
| <b>Cert Region</b>   |                      | California + CAA Section 177 states       |            |                    | <b>Cert/In-Use Code</b>                |                                          |                | Cert                        |            |
| <b>Vehicle Class</b> |                      | MDV7 (Cal. LEV 2/3/4 MDV GVW 10001-14000) |            |                    | <b>Standard Level</b>                  |                                          |                | California LEV-III SULEV230 |            |
| <b>Fuel</b>          |                      | Gasoline                                  |            |                    | <b>Test Procedure</b>                  |                                          |                | Hot 1435 LA92               |            |
| <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                   | --                                        | --         | --                 | --                                     | --                                       | --             | --                          | 999.999    |
| 150,000 miles        | NMOG                 | --                                        | --         | 1.03               | --                                     | --                                       | --             | --                          | 999.999    |
| 150,000 miles        | NOX                  | --                                        | --         | --                 | --                                     | --                                       | --             | --                          | 999.999    |
| 150,000 miles        | PM                   | --                                        | --         | --                 | --                                     | --                                       | --             | --                          | 999.999    |

## Certification Summary Information Report

|                      |                      |                                           |            |                    |                                        |                                          |                |                             |            |
|----------------------|----------------------|-------------------------------------------|------------|--------------------|----------------------------------------|------------------------------------------|----------------|-----------------------------|------------|
| <b>Test Group</b>    |                      | VFMXD07.373K                              |            |                    | <b>Evaporative/Refueling Family</b>    |                                          |                | VFMXR0250NHJ                |            |
| <b>Cert Region</b>   |                      | California + CAA Section 177 states       |            |                    | <b>Cert/In-Use Code</b>                |                                          |                | Cert                        |            |
| <b>Vehicle Class</b> |                      | MDV7 (Cal. LEV 2/3/4 MDV GVW 10001-14000) |            |                    | <b>Standard Level</b>                  |                                          |                | California LEV-III SULEV230 |            |
| <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        | CO2                  | --                                        | --         | --                 | --                                     | --                                       | --             | 0                           | 999.999    |
| 150,000 miles        | NMOG                 | --                                        | --         | 1.03               | --                                     | --                                       | --             | --                          | 999.999    |
| 150,000 miles        | NMOG+NOX             | --                                        | --         | --                 | --                                     | --                                       | 1              | --                          | 0.230      |
| 150,000 miles        | NOX                  | --                                        | --         | --                 | --                                     | --                                       | --             | --                          | 999.999    |

|                      |                      |                                           |            |                    |                                        |                                          |                |                             |            |
|----------------------|----------------------|-------------------------------------------|------------|--------------------|----------------------------------------|------------------------------------------|----------------|-----------------------------|------------|
| <b>Cert Region</b>   |                      | California + CAA Section 177 states       |            |                    | <b>Cert/In-Use Code</b>                |                                          |                | Cert                        |            |
| <b>Vehicle Class</b> |                      | MDV7 (Cal. LEV 2/3/4 MDV GVW 10001-14000) |            |                    | <b>Standard Level</b>                  |                                          |                | California LEV-III SULEV230 |            |
| <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                   | --                                        | --         | --                 | --                                     | --                                       | --             | --                          | 4.2        |
| 4,000 miles          | HCHO                 | --                                        | --         | --                 | --                                     | --                                       | --             | --                          | 0.020      |
| 4,000 miles          | NMOG                 | --                                        | --         | 1.1                | --                                     | --                                       | --             | --                          | 999.999    |
| 4,000 miles          | NMOG+NOX             | --                                        | --         | --                 | --                                     | --                                       | 1              | --                          | 0.460      |
| 4,000 miles          | NOX                  | --                                        | --         | --                 | --                                     | --                                       | --             | --                          | 999.999    |

|                      |                      |                                                   |            |                    |                                        |                                          |                |                                   |            |
|----------------------|----------------------|---------------------------------------------------|------------|--------------------|----------------------------------------|------------------------------------------|----------------|-----------------------------------|------------|
| <b>Cert Region</b>   |                      | Federal                                           |            |                    | <b>Cert/In-Use Code</b>                |                                          |                | Cert                              |            |
| <b>Vehicle Class</b> |                      | HDV2 (Federal HD chassis Class 3 GVW 10001-14000) |            |                    | <b>Standard Level</b>                  |                                          |                | Federal Tier 3 HD Class 3 Bin 230 |            |
| <b>Fuel</b>          |                      | Gasoline                                          |            |                    | <b>Test Procedure</b>                  |                                          |                | Hot 1435 LA92                     |            |
| <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                   | --                                                | --         | --                 | --                                     | --                                       | --             | --                                | 999.999    |
| 150,000 miles        | NMOG                 | --                                                | --         | 1.03               | --                                     | --                                       | --             | --                                | 999.999    |
| 150,000 miles        | NMOG+NOX             | --                                                | --         | --                 | --                                     | --                                       | 1              | --                                | 999.999    |
| 150,000 miles        | NOX                  | --                                                | --         | --                 | --                                     | --                                       | --             | --                                | 999.999    |
| 150,000 miles        | PM                   | --                                                | --         | --                 | --                                     | --                                       | --             | --                                | 999.999    |

## Certification Summary Information Report

|                      |                                           |                       |            |                    |                                        |                                          |                |                             |            |
|----------------------|-------------------------------------------|-----------------------|------------|--------------------|----------------------------------------|------------------------------------------|----------------|-----------------------------|------------|
| <b>Test Group</b>    | VFMXD07.373K                              |                       |            |                    | <b>Evaporative/Refueling Family</b>    |                                          |                | VFMXR0250NHJ                |            |
| <b>Cert Region</b>   | California + CAA Section 177 states       |                       |            |                    | <b>Cert/In-Use Code</b>                |                                          |                | Cert                        |            |
| <b>Vehicle Class</b> | MDV7 (Cal. LEV 2/3/4 MDV GVW 10001-14000) |                       |            |                    | <b>Standard Level</b>                  |                                          |                | California LEV-III SULEV230 |            |
| <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                                        | --                    | --         | --                 | --                                     | --                                       | --             | --                          | 999.999    |
| 150,000 miles        | NMOG                                      | --                    | --         | 1.03               | --                                     | --                                       | --             | --                          | 999.999    |
| 150,000 miles        | NOX                                       | --                    | --         | --                 | --                                     | --                                       | --             | --                          | 999.999    |
| 150,000 miles        | PM                                        | --                    | --         | --                 | --                                     | --                                       | --             | --                          | 999.999    |

|                      |                                                   |                       |            |                    |                                        |                                          |                |                                   |            |
|----------------------|---------------------------------------------------|-----------------------|------------|--------------------|----------------------------------------|------------------------------------------|----------------|-----------------------------------|------------|
| <b>Cert Region</b>   | Federal                                           |                       |            |                    | <b>Cert/In-Use Code</b>                |                                          |                | Cert                              |            |
| <b>Vehicle Class</b> | HDV2 (Federal HD chassis Class 3 GVW 10001-14000) |                       |            |                    | <b>Standard Level</b>                  |                                          |                | Federal Tier 3 HD Class 3 Bin 230 |            |
| <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        | CO2                                               | --                    | --         | --                 | --                                     | --                                       | --             | 0                                 | 999.999    |
| 150,000 miles        | NMOG                                              | --                    | --         | 1.03               | --                                     | --                                       | --             | --                                | 999.999    |
| 150,000 miles        | NMOG+NOX                                          | --                    | --         | --                 | --                                     | --                                       | 1              | --                                | 0.230      |
| 150,000 miles        | NOX                                               | --                    | --         | --                 | --                                     | --                                       | --             | --                                | 999.999    |

## Evaporative/Refueling Standards

|                              |                           |                |                                         |      |        |  |
|------------------------------|---------------------------|----------------|-----------------------------------------|------|--------|--|
| Evaporative/Refueling Family | VFMXR0250NHJ              | Cert Region    | California + CAA Section 177 states     |      |        |  |
| Cert/In-Use Code             | Both                      | Standard Level | California LEV-III Zero Evap (Option 2) |      |        |  |
| Test Procedure               | Federal Fuel Running Loss |                |                                         |      |        |  |
| Fuel                         | Useful Life               | Emission Name  | Rounded Result                          | Std  | Add DF |  |
| Gasoline                     | 150,000 miles             | OMHCE          | --                                      | 0.05 | 0      |  |

|                                     |  |                         |  |                       |  |                                         |  |            |  |               |  |
|-------------------------------------|--|-------------------------|--|-----------------------|--|-----------------------------------------|--|------------|--|---------------|--|
| <b>Evaporative/Refueling Family</b> |  | VFMXR0250NHJ            |  | <b>Cert Region</b>    |  | California + CAA Section 177 states     |  |            |  |               |  |
| <b>Cert/In-Use Code</b>             |  | Both                    |  | <b>Standard Level</b> |  | California LEV-III Zero Evap (Option 2) |  |            |  |               |  |
| <b>Test Procedure</b>               |  | Federal fuel 3-day evap |  |                       |  |                                         |  |            |  |               |  |
| <b>Fuel</b>                         |  | <b>Useful Life</b>      |  | <b>Emission Name</b>  |  | <b>Rounded Result</b>                   |  | <b>Std</b> |  | <b>Add DF</b> |  |
| Gasoline                            |  | 150,000 miles           |  | OMHCE                 |  | --                                      |  | 0.600      |  | 0             |  |

## Certification Summary Information Report

|                              |               |                                    |                |                              |        |                                         |  |
|------------------------------|---------------|------------------------------------|----------------|------------------------------|--------|-----------------------------------------|--|
| Test Group                   |               | VFMXD07.373K                       |                | Evaporative/Refueling Family |        | VFMXR0250NHJ                            |  |
| Evaporative/Refueling Family |               | VFMXR0250NHJ                       |                | 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                           | --             | 0.030                        | 0      |                                         |  |
|                              |               |                                    |                |                              |        |                                         |  |
| Evaporative/Refueling Family |               | VFMXR0250NHJ                       |                | Cert Region                  |        | Federal                                 |  |
| Cert/In-Use Code             |               | Both                               |                | Standard Level               |        | Federal Tier 3 Evap                     |  |
| Test Procedure               |               | Spitback                           |                |                              |        |                                         |  |
| Fuel                         | Useful Life   | Emission Name                      | Rounded Result | Std                          | Add DF |                                         |  |
| Gasoline                     | 150,000 miles | SPITBACK                           | --             | 1.0                          | --     |                                         |  |
|                              |               |                                    |                |                              |        |                                         |  |
| Evaporative/Refueling Family |               | VFMXR0250NHJ                       |                | 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                         | 0.003  |                                         |  |
|                              |               |                                    |                |                              |        |                                         |  |
| Evaporative/Refueling Family |               | VFMXR0250NHJ                       |                | Cert Region                  |        | California + CAA Section 177 states     |  |
| Cert/In-Use Code             |               | Both                               |                | Standard Level               |        | California LEV-III Zero Evap (Option 2) |  |
| Test Procedure               |               | 2-day evap                         |                |                              |        |                                         |  |
| Fuel                         | Useful Life   | Emission Name                      | Rounded Result | Std                          | Add DF |                                         |  |
| Gasoline                     | 150,000 miles | OMHCE                              | --             | 0.600                        | 0      |                                         |  |
|                              |               |                                    |                |                              |        |                                         |  |
| Evaporative/Refueling Family |               | VFMXR0250NHJ                       |                | Cert Region                  |        | California + CAA Section 177 states     |  |
| Cert/In-Use Code             |               | Both                               |                | Standard Level               |        | California LEV-III Zero Evap (Option 2) |  |
| Test Procedure               |               | Federal fuel refueling test (ORVR) |                |                              |        |                                         |  |
| Fuel                         | Useful Life   | Emission Name                      | Rounded Result | Std                          | Add DF |                                         |  |
| Gasoline                     | 150,000 miles | OMHCE                              | --             | 0.20                         | 0.003  |                                         |  |
|                              |               |                                    |                |                              |        |                                         |  |

## Certification Summary Information Report

|                              |               |                           |                |                              |        |                                         |  |
|------------------------------|---------------|---------------------------|----------------|------------------------------|--------|-----------------------------------------|--|
| Test Group                   |               | VFMXD07.373K              |                | Evaporative/Refueling Family |        | VFMXR0250NHJ                            |  |
| Evaporative/Refueling Family |               | VFMXR0250NHJ              |                | 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            | --             | 0.600                        | 0      |                                         |  |
|                              |               |                           |                |                              |        |                                         |  |
| Evaporative/Refueling Family |               | VFMXR0250NHJ              |                | 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 |               | VFMXR0250NHJ              |                | 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            | --             | 0.600                        | 0      |                                         |  |
|                              |               |                           |                |                              |        |                                         |  |
| Evaporative/Refueling Family |               | VFMXR0250NHJ              |                | Cert Region                  |        | California + CAA Section 177 states     |  |
| Cert/In-Use Code             |               | Both                      |                | Standard Level               |        | California LEV-III 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                  | --             | 0.030                        | 0      |                                         |  |
|                              |               |                           |                |                              |        |                                         |  |
| Evaporative/Refueling Family |               | VFMXR0250NHJ              |                | Cert Region                  |        | California + CAA Section 177 states     |  |
| Cert/In-Use Code             |               | Both                      |                | Standard Level               |        | California LEV-III Zero Evap (Option 2) |  |
| Test Procedure               |               | Spitback                  |                |                              |        |                                         |  |
| Fuel                         | Useful Life   | Emission Name             | Rounded Result | Std                          | Add DF |                                         |  |
| Gasoline                     | 150,000 miles | SPITBACK                  | --             | 1.0                          | --     |                                         |  |

## Certification Summary Information Report

| Test Group           |                                                                 | VFMXD07.373K       | Evaporative/Refueling Family                       | VFMXR0250NHJ |
|----------------------|-----------------------------------------------------------------|--------------------|----------------------------------------------------|--------------|
| 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                             |                                                            | VFMXD07.373K | Evaporative/Refueling Family |                                                 | VFMXR0250NHJ |
|----------------------------------------|------------------------------------------------------------|--------------|------------------------------|-------------------------------------------------|--------------|
| 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                    |                                                                   | VFMXD07.373K | Evaporative/Refueling Family                             |                            | VFMXR0250NHJ |
|-------------------------------|-------------------------------------------------------------------|--------------|----------------------------------------------------------|----------------------------|--------------|
| 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                    |                                 | VFMXD07.373K | Evaporative/Refueling Family |                                  | VFMXR0250NHJ |
|-------------------------------|---------------------------------|--------------|------------------------------|----------------------------------|--------------|
| 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                     |              |