



## Application for Certification - Part 1

### Test Group (CBI)

<b>• Model Year:</b>	2027
<b>• Manufacturer Name:</b>	Kia Corporation
<b>• Test Group:</b>	VKMXT02.5MP3
<b>• Test Group Description:</b>	2.5 Liter / I4 Turbo GDPI / Otto-cycle
<b>• Durability Group:</b>	VKMXGPGNNMP3
<b>• Durability Group Description:</b>	Monolith, WU-TWC+GPF+TWC
<b>• Vehicle Class:</b>	LDT3
<b>• Applicable Standards:</b>	FED: Interim Tier4 SULEV30 / Tier4 Evap. CAL: LEV-IV SULEV30 / LEV-IV Evap.
<b>• Vehicles Tested:</b>	EDV - LQ2HAU6H5TA100A/0 (Exh.) KA4U2L5GA069F/0 (Evap.) FEDV - LQ2LAU6H5TA084A/0 LQ2-AU6H5TA050A/0 LQ2-AU6H5TA064F/0 LQ2-AU6H5TA064F/1
<b>• Carlines Covered by Certificate:</b>	Telluride AWD, Telluride FWD Telluride X-PRO
<b>• EPA Response Requested by:</b>	October 25, 2025
<b>• For Questions, Contact:</b>	Stephanie Wright Tel: 734-273-1904 E-mail: <a href="mailto:swright@hatci.com">swright@hatci.com</a>

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## **01.00            Correspondence and Communications**

Please refer to Common Section 01.00.

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

VKMXT02.5MP3- Kia Telluride— Part 1

Issued : 09-25-2025

Revised:

## **02.00 Durability Group Description**

1. Durability group name : VKMXGPGNNMP3
2. Combustion cycle : Otto cycle / four stroke
3. Engine type : Piston / Water cooled
4. Fuel used : Gasoline
5. Basic fuel metering system : Direct & Port Injection
6. Catalyst construction and location : See Section 02.02
7. Precious metals in catalyst : See Section 02.02
8. Precious Metal Loading for all Catalysts in the Durability Group : See Section 02.02
9. Range of catalyst grouping statistics : See Section 02.02
10. Type of particulate filter : Catalyzed

## **02.01 List of Vehicles in Durability Groups**

Please refer to Common Section 02.01.

**03.00 Evaporative/Refueling Family Description****03.00.01 Evaporative/Refueling Family Name: VKMXR0151MPG  
(C/O from 22MY Carnival)****03.00.01.01 Evaporative/Refueling Family Parameters**

1. Type of vapor storage device: Canister(1EA), Air cleaner (1EA)

2. Basic canister design

Evap. code	Absorption flow rate (g/hr)	Nominal working capacity (g)	Size (cc)	Material	Medium	Nominal fuel tank capacity (gal)
151MPG	15	151	2550	Plastic	Activated Carbon	19

3. Fuel system: Returnless fuel system

4. Type of refueling emission control system: Integrated type

5. Fill pipe seal mechanism: Liquid seal type

6. Vapor control system or method of vapor line to the canister:

a. Fill limit Vent valve / Overfill limiter / Canister close valve (ORVR)

7. Purge control system

- Type of valve: Duty
- Purge control strategy: Controlled by ECU
- High load purge system : N/A
- Active purge system : N/A

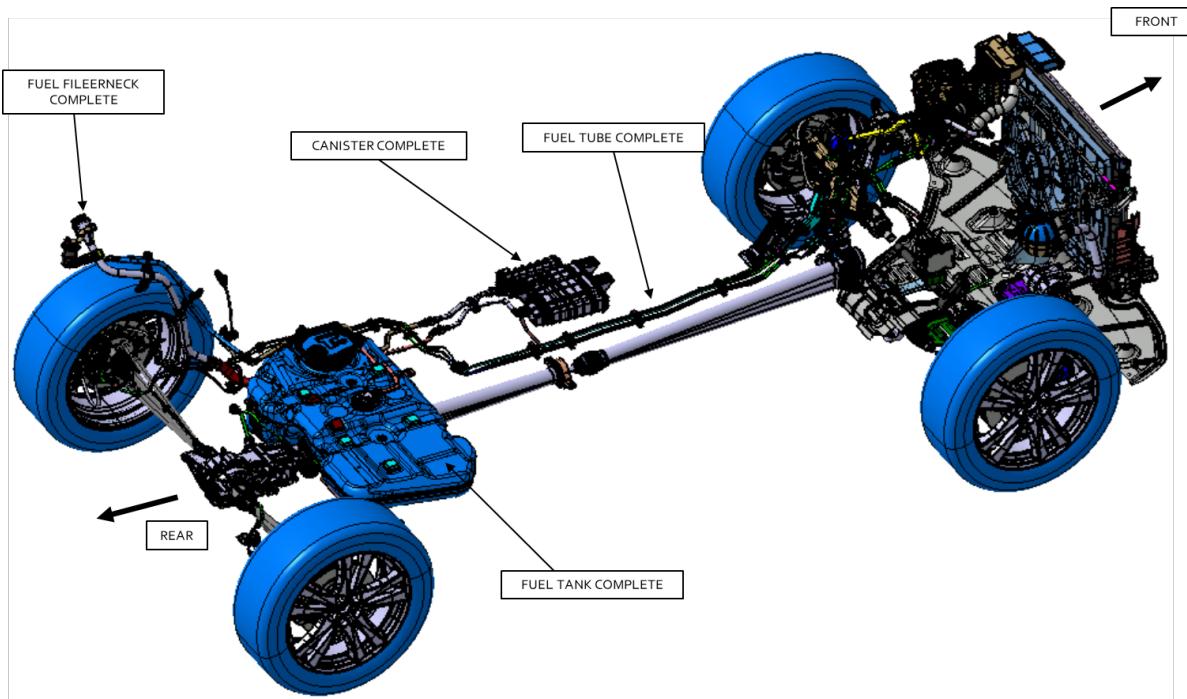
8. Vapor hose material: Rubber

9. Fuel tank material: Plastic

10. HC-Trap :

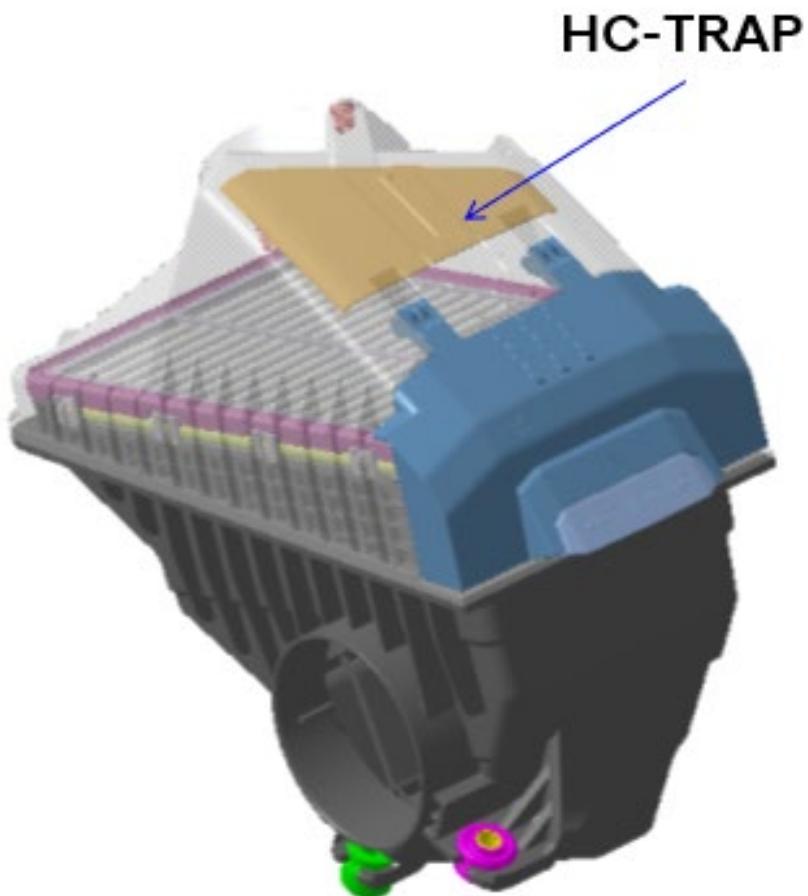
- Media : PAPER containing Activated Carbon
- Working capacity: 0.5g

## 03.00.01.02 Evaporative/Refueling Schematic



VKMXT02.5MP3 - Kia Telluride– Part 1  
Issued : 09-25-2025  
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03.00.01.03 HC-Trap Schematic



VKMXT02.5MP3 - Kia Telluride– Part 1  
Issued : 09-25-2025  
Revised:

**03.01            Evaporative/Refueling General Description**

Please refer to Common Section 03.01.

**03.02            List of Vehicles in Evaporative Families**

Please refer to Common Section 03.02.

## **05.00 Test Group Description**

Test group name : VKMXT02.5MP3

Engine displacement (L) covered : 2.5L

Arrangement/number of cylinders : I4

Vehicle class(s) covered : LDT3

Sales location/emission standard : FED: Interim Tier4 Bin30  
CAL: LEV-IV SULEV30  
See CSI report for emission standard levels.

## 06.00 Test Vehicle Description

### 1. Exhaust Durability Data Vehicle

#### Verify Processing Report

**Total Datasets Submitted:** 1

**Accepted Datasets:** 1

**Rejected Datasets:** 0

The original datasets are listed below. In addition, any information generated by the Verify system is also included. For any rejected datasets, the reason(s) the dataset was rejected is provided below in the Transaction Report for that particular dataset.

#### Test Vehicle Information Submission

##### Test Vehicle Information Details

**Information Process Code :** N

**EPA Manufacturer Code :** KMX

**Vehicle Identification Text :** KNAPBAB16R1P98027

**Vehicle Configuration Number :** 0

##### Vehicle Configuration Details

##### Vehicle Description Details

**Manufacturer Vehicle Configuration Number :** 0

**Test Group Name :** VKMXT02.5MP3

**Evaporative Refueling Family Name :** VKMXR0151MPG

**Leak Family Identifier :** LQ2

**Leak Family Name :** VKMXR0151MPG-LQ2

**Model Year :** 2027

**Actual Test Vehicle Make Text :** Kia

**Actual Test Vehicle Model Text :** Telluride

##### Drive Source Details

**Drive Source Identifier :** C

**Fuel Identifier :** G

**Test Drive Code :** F

**Shift Indicator Light Usage Identifier :** 1

**Aged Component Usage Identifier :** 4

##### Odometer Correction Details

**Correction Initial Value :** 0

**Correction Factor Value :** 0.9997

**Correction Sign Identifier :** +

**Correction Units Code :** M

**Engine Code Text :** G4KP-AC

**Engine Rated Horsepower Value :** 274

**Engine Displacement Value :** 2.5

VKMXT02.5MP3 - Kia Telluride– Part 1

Issued : 09-25-2025

Revised:

#### Air Aspiration Details

Air Aspiration Method Identifier : TC  
Air Aspiration Device Count : 1  
Air Aspiration Configuration Identifier : N

Charge Air Cooler Identifier : L

#### Vehicle Specifications Details

Curb Weight Value : 4729  
Equivalent Test Weight Value : 5250  
Gross Vehicle Weight Rating Value : 6261  
NV Ratio Value : 26.2  
Axle Ratio Value : 3.51

#### Transmission Specifications Details

Light Duty Transmission Type Identifier : SA  
Transmission Lockup Indicator : Y  
Transmission Creeper Gear Indicator : N  
Transmission Gear Count : 8

#### Target Set Coefficient Details

Test Procedure Dynamometer Coefficients Category : C-H-E  
Target CoefficientA Value : 39.277  
Target CoefficientB Value : 0.50035  
Target CoefficientC Value : 0.026036  
Set CoefficientA Value : 20.346  
Set CoefficientB Value : 0.21615  
Set CoefficientC Value : 0.027415

#### Target Set Coefficient Details

Test Procedure Dynamometer Coefficients Category : Cold-CO  
Target CoefficientA Value : 43.205  
Target CoefficientB Value : 0.55039  
Target CoefficientC Value : 0.028640  
Set CoefficientA Value : 12.806  
Set CoefficientB Value : -0.07055  
Set CoefficientC Value : 0.032817

#### Target Set Coefficient Details

Test Procedure Dynamometer Coefficients Category : US06  
Target CoefficientA Value : 39.277  
Target CoefficientB Value : 0.50035  
Target CoefficientC Value : 0.026036  
Set CoefficientA Value : 20.346  
Set CoefficientB Value : 0.21615  
Set CoefficientC Value : 0.027415

**Target Set Coefficient Details**

**Test Procedure Dynamometer Coefficients Category :** US06  
**Target CoefficientA Value :** 39.277  
**Target CoefficientB Value :** 0.50035  
**Target CoefficientC Value :** 0.026036  
**Set CoefficientA Value :** 20.346  
**Set CoefficientB Value :** 0.21615  
**Set CoefficientC Value :** 0.027415

**Manufacturer Comment Text :** Telluride X-PRO 2.5 8AT 18in X-Pro 5250 AWD (DDV)

**EPA Generated Test Vehicle Details**

**Original Receipt Date :** 20250902  
**Hybrid Vehicle Indicator :** N  
**Adjusted Loaded Vehicle Weight Value :** 5495  
**Loaded Vehicle Weight Value :** 5029  
**Total Road Load Horsepower Value :** 17.3

**Transaction Status Details**

**Transaction Status Identifier :** ACCEPTED

VKMXT02.5MP3 - Kia Telluride– Part 1

Issued : 09-25-2025

Revised:

## **2. Exhaust & Evaporative Emission Data Vehicle**

Please refer to CSI report in 07.00.

VKMXT02.5MP3 - Kia Telluride– Part 1

Issued : 09-25-2025

Revised:

07.00  
07.01

## Test Results

### EV-CIS Certification Summary Information

Date: 09/25/2025 07:51:37 PM

#### Certification Summary Information Report

<b>Manufacturer</b>	Kia Corporation	<b>Manufacturer Code</b>	KMX						
<b>Test Group</b>	VKMXT02.5MP3	<b>Evaporative/Refueling Family</b>	VKMXR0151MPG						
<b>Certificate Number</b>	--	<b>CARB Executive Order #</b>	--						
<b>Certificate Issue Date</b>	--	<b>Certificate Revision Date</b>	--						
<b>Certificate Effective Date</b>	--	<b>Conditional Certificate</b>	--						
<b>CSI Revision #</b>	--	<b>CSI Submission/Revision Date</b>	09/25/2025 07:51:15 PM						
<b>Model Year</b>	2027								
<b>Test Group Information</b>									
<b>CSI Type</b>	New	<b>Running Change Reference Number</b>	--						
<b>GHG Exempt Status</b>	Not Exempt								
<b>Drive Sources and Fuel(s)</b>									
<b>Drive Source #1:</b>	Combustion Engine								
<table border="1"><thead><tr><th><b>Fuel</b></th><th><b>Basic Fuel Metering System</b></th><th><b>Lean Burn Strategy Indicator</b></th></tr></thead><tbody><tr><td>Gasoline</td><td>Spark Ignition direct &amp; ported injection</td><td>No</td></tr></tbody></table>				<b>Fuel</b>	<b>Basic Fuel Metering System</b>	<b>Lean Burn Strategy Indicator</b>	Gasoline	Spark Ignition direct & ported injection	No
<b>Fuel</b>	<b>Basic Fuel Metering System</b>	<b>Lean Burn Strategy Indicator</b>							
Gasoline	Spark Ignition direct & ported 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>	LDT3						
<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>	VKMXGPGNMMP3	<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>	No								
<b>Introduction into Commerce Date</b>	--	<b>CAP2000 Conditional Certificate?</b>	N/A						
<b>Independent Commercial Importer?</b>	--	<b>Alternative Fuel Converter Certificate?</b>	--						
<b>SFTP Federal Composite Compliance Identifier</b>	Tier 3	<b>SFTP Tier 2 Composite CO Option</b>	No						
<b>SFTP LEV-III Composite Compliance Indicator</b>	No								
<b>OBD Compliance Type</b>	CARB	<b>OBD Demonstration Vehicle Test Group</b>	VKMXT02.5MP3						
<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>	The fuel for Litmus test is E10. Litmus result(Value/Threshold): City(17.2/16.6) HWY(21.9/22.3). Test No: VKMX91006591(FTP),VKMX91006590(HWY),VKMX10091531(US06),VKMX10091530(SC03),VKMX10091532(Cold)								
<b>Mfr Exhaust / Evap Standards Comments</b>	--								

## Certification Summary Information Report

Test Group	VKMXT02.5MP3	Evaporative/Refueling Family	VKMXR0151MPG				
<b>Evaporative/Refueling Family Information</b>							
Evaporative Summary Information Type	New	Submission/Correction Date	09/18/2025 08:56:16 PM				
Integrated ORVR?	Yes	Fuel(s)	Gasoline				
Multiple Fuel Storage	--						
Bladder Fuel Tank?	No						
Fuel Tank Material	Plastic	Fuel Tank Material Description	Plastic				
Fill Pipe Seal Type	Liquid seal						
Air Intake System Vapor Storage Device?	Yes	Air Intake System Vapor Storage Device Description	HC-Trap				
Fuel System Vapor Storage Canister?	Yes	Other Vapor Storage	--				
Fuel System Vapor Storage Canister(s) Total							
Working Capacity (grams)	151	Number of Primary Canisters	1				
Number of Bleed Canisters	0	Bleed Canister Total Working Capacity (grams)	--				
Mfr Evaporative/Refueling Family Comments	--						
<b>Leak Family Details</b>							
Leak Family Indicator	Yes						
Canister Bleed Test Indicator	Yes	Applicability of Evaporative Canister Bleed Test	50 State				
Evaporative Canister Bleed Test Comments	--						
CARB Fuel Only (Rig) Test Indicator	No	Applicability of CARB Fuel Only (Rig) Test	--				
CARB Fuel Only (Rig) Test Comments	--						
Leak Family Name	Applicability of Leak Family Requirements	Leak Family Standard (inches)	Leak Family Description				
VKMXR0151MPG-LQ2	50 State	0.02	--				
<b>Models Covered by this Certificate</b>							
Carline Manufacturer	Division	Carline	Certification Region Code(s)	Drive System	Trans - Type	- # of Gears	Trans - Lockup
Kia Corporation	1 - KIA	101 - Telluride FWD	California + CAA Section 177 states	2-Wheel Drive, Front	Semi-Automatic	8	Yes
Kia Corporation	1 - KIA	102 - Telluride X-PRO	Federal	All Wheel Drive	Semi-Automatic	8	Yes
Kia Corporation	1 - KIA	100 - Telluride AWD	California + CAA Section 177 states	All Wheel Drive	Semi-Automatic	8	Yes
Kia Corporation	1 - KIA	101 - Telluride FWD	Federal	2-Wheel Drive, Front	Semi-Automatic	8	Yes
Kia Corporation	1 - KIA	100 - Telluride AWD	Federal	All Wheel Drive	Semi-Automatic	8	Yes
Kia Corporation	1 - KIA	102 - Telluride X-PRO	California + CAA Section 177 states	All Wheel Drive	Semi-Automatic	8	Yes

## Certification Summary Information Report

Test Group	VKMXT02.5MP3	Evaporative/Refueling Family	VKMXR0151MPG
<b>Engine Description</b>			
Hybrid Type	--	Hybrid Description	--
Engine Type	4-Stroke Spark Ignition	Mfr Engine Description	--
Engine Block Arrangement	Inline	Mfr Engine Block Arrangement Description	--
Camless Valvetrain Indicator	No	Oil Viscosity/Classification	SAE 0W-30
Number of Cylinders/Rotors	4	Mechanically Variable Compression Ratio Indicator	N
<b>After Treatment Device(s) (ATD)</b>			
ATD Number	ATD Type	ATD Precious Metal	Substrate Material
1	Three-way catalyst	Platinum + Palladium + Rhodium	Ceramic
2	Three-way catalyst	Platinum + Palladium + Rhodium	Ceramic
3	Three-way catalyst	Platinum + Palladium + Rhodium	Ceramic
<b>Mfr After Treatment Device (ATD) Comments</b>	WU-TWC + GPF + TWC		
<b>Direct Ozone Reduction (DOR) Device</b>	Not Equipped		
<b>Mfr Emission Control Device Comments</b>	--		
<b>Engine Configuration Number 1</b>			
Engine Displacement (liters)	2.5	Engine Rated Horsepower	258
Number of Inlet Valves Per Cylinder	2	Number of Exhaust Valves Per Cylinder	2
Air Aspiration Method	Turbocharged	Number of Air Aspiration Devices	1
Air Aspiration Device Configuration	Single	Charge Air Cooler Type	Air
Air Aspiration Drive Method(s)	Mechanical		
Cylinder Deactivation	No		
Cylinder Deactivation Description	--		
Variable Valve Timing	Yes		
Variable Valve Timing System Description	Fixed3 (More than two or continuous)		
Variable Valve Lift?	No		
Variable Valve Lift System Description	--		
Number of Knock Sensors	2	Number of Air/Fuel Sensors	2
Air/Fuel Sensor # 1 Type	Other	Air/Fuel Sensor # 1 Description	WR-HO2S
Air/Fuel Sensor # 2 Type	Heated oxygen	Air/Fuel Sensor # 2 Description	--
Mfr Air/Fuel Sensor Comments	--		
Exhaust Gas Recirculation	No	Cooled Exhaust Gas Recirculation	No
EGR Type	--	Exhaust Gas Recirculation Description if 'Other'	--
Closed Loop Air Injection System	No		
Air Injection Type	Not Applicable	Air Injection Type if 'Other'	--
Mfr Engine Configuration Comments	--		

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**Certification Summary Information Report**

<b>Test Group</b>		<b>Evaporative/Refueling Family</b>				<b>VKMXR0151MPG</b>											
<b>Official Test Numbers</b>																	
<b>Test Group Fuel</b>																	
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	VKMX91006591	VKMX10091531	VKMX10091530	VKMX10091532	VKMX91006590	35.7	16.6	20.8	22.3	--							
<b>SFTP LEV-III Official Test Numbers</b>																	
<b>Test Group Fuel</b>		<b>FTP</b>		<b>US06</b>		<b>SC03</b>											
Gasoline		VKMX91006591		VKMX10091531		VKMX10091530											

## Certification Summary Information Report

Test Group	VKMXT02.5MP3	Evaporative/Refueling Family	VKMXR0151MPG																							
<b>Emission Data Vehicle Information</b>																										
<b>Vehicle ID / Configuration</b>	KA4U2L5GA069F / 0	<b>Manufacturer Vehicle Configuration Number</b>	0																							
<b>Original Test Group Name</b>	NKMXT03.5KU5	<b>Original Evaporative/Refueling Family</b>	NKMXR0155KUG																							
<b>Original Test Vehicle Model Year</b>	2022																									
<b>Vehicle Model</b>																										
<b>Represented Test Vehicle Make</b>	KIA	<b>Represented Test Vehicle Model</b>	CARNIVAL																							
<b>Leak Family Details</b>																										
<b>Leak Family Identifier</b>	KA4	<b>Leak Family Name</b>	NKMXR0155KUG-KA4																							
<b>Drive Sources and Fuel System Details</b>																										
<table border="1"> <thead> <tr> <th>Drive Source and Fuel#</th><th>Drive Source</th><th>Fuel</th></tr> </thead> <tbody> <tr> <td>1</td><td>Combustion Engine</td><td>Gasoline</td></tr> </tbody> </table>				Drive Source and Fuel#	Drive Source	Fuel	1	Combustion Engine	Gasoline																	
Drive Source and Fuel#	Drive Source	Fuel																								
1	Combustion Engine	Gasoline																								
<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>	1.0003																							
<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>	G6DT-AC	<b>Rated Horsepower</b>	290																							
<b>Displacement (liters)</b>	3.5																									
<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>	--	<b>Drive Mode While Testing</b>	2-Wheel Drive, Front																							
<b>Shift Indicator Light Usage</b>	Not equipped	<b>Aged Emission Components</b>	4,000 (mi)																							
<b>Curb Weight (lbs)</b>	4535	<b>Equivalent Test Weight (pounds)</b>	4750																							
<b>GVWR (lbs)</b>	6041	<b>N/V Ratio</b>	27																							
<b>Axle Ratio</b>	3.51																									
<b>Transmission Type</b>	Semi-Automatic	<b># of Transmission Gears</b>	8																							
<b>Transmission Lockup</b>	Yes	<b>Creeper Gear</b>	No																							
<b>Dynamometer Coefficients:</b>																										
<table> <thead> <tr> <th rowspan="2">Coefficient Category</th> <th colspan="3">Target Coefficients</th> <th colspan="3">Set Coefficients</th> <th rowspan="2">EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients</th> </tr> <tr> <th>A (lbf)</th> <th>B (lbf/mph)</th> <th>C (lbf/mph<sup>**2</sup>)</th> <th>A (lbf)</th> <th>B (lbf/mph)</th> <th>C (lbf/mph<sup>**2</sup>)</th> </tr> </thead> <tbody> <tr> <td>City/Highway/Evap</td> <td>26.773</td> <td>0.39493</td> <td>0.027419</td> <td>8.532</td> <td>0.23356</td> <td>0.027937</td> <td>15.3</td> </tr> </tbody> </table>					Coefficient Category	Target Coefficients			Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients	A (lbf)	B (lbf/mph)	C (lbf/mph <sup>**2</sup> )	A (lbf)	B (lbf/mph)	C (lbf/mph <sup>**2</sup> )	City/Highway/Evap	26.773	0.39493	0.027419	8.532	0.23356	0.027937	15.3
Coefficient Category	Target Coefficients			Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients																			
	A (lbf)	B (lbf/mph)	C (lbf/mph <sup>**2</sup> )	A (lbf)	B (lbf/mph)	C (lbf/mph <sup>**2</sup> )																				
City/Highway/Evap	26.773	0.39493	0.027419	8.532	0.23356	0.027937	15.3																			
<b>Emission Control Device Comments</b>				--																						

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## Certification Summary Information Report

Test Group	VKMXT02.5MP3	Evaporative/Refueling Family	VKMXR0151MPG						
<b>Manufacturer Test Vehicle Comments</b>	KA4 3.5 8AT 19" EVAP								
<b>Test #</b>	<b>NKMX10066867</b>	<b>Test Procedure</b>	<b>38 - CA fuel 3-day evap.</b>						
<b>Exhaust Test # for this Evap Test</b>	<b>NKMX10066851</b>	<b>Test Fuel Type</b>	<b>46 - CARB LEV3 E10 Regular Gasoline</b>						
<b>Test Date</b>	<b>07/24/2020</b>	<b>Fuel</b>	<b>Gasoline</b>						
<b>Fuel Batch ID</b>	<b>19E-03</b>	<b>Fuel Calibration Number</b>	<b>1</b>						
<b>Vehicle Class</b>	<b>N/A</b>	<b>DF Type</b>	<b>Mfr. Determined</b>						
<b>Verify Test Lab ID</b>	<b>772-1, Jangduck-Dong</b>								
<b>E10 Evaporative Test Measurement Method</b>	<b>Calculated (1.08 x FID Total Hydrocarbons)</b>								
<b>Test Start Odometer Reading</b>	<b>4225</b>	<b>Odometer Units</b>	<b>M</b>						
<b>4WD Test Dyno</b>	<b>No</b>	<b>Diesel Adjustment Factor Usage</b>	<b>--</b>						
<b>State of Charge Delta</b>	<b>--</b>								
<b>Drive Cycle Speed Tolerance Criteria</b>	<b>Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)</b>	<b>Road Speed Fan Usage</b>	<b>No</b>						
<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>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</b></td> <td>0.2745</td> <td>--</td> </tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	<b>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</b>	0.2745	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)							
<b>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</b>	0.2745	--							
<b>Manufacturer Test Comments</b>									
22MY KA4 3.5 19"(ETW:4750)-3DBL									
<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	0.2745	0	0.274	0.500	Pass	
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.2745	0	0.274	0.500	Pass	

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## Certification Summary Information Report

Test Group	VKMXT02.5MP3	Evaporative/Refueling Family	VKMXR0151MPG																																
Test #	NKMX91004661	Test Procedure	27 - California fuel 2-day evap																																
Exhaust Test # for this Evap Test	NKMX91004658	Test Fuel Type	46 - CARB LEV3 E10 Regular																																
Test Date	11/04/2020	Fuel	Gasoline																																
Fuel Batch ID	26757	Fuel Calibration Number	1																																
Vehicle Class	N/A	DF Type	Mfr. Determined																																
Verify Test Lab ID	--																																		
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)																																		
Test Start Odometer Reading	4363	Odometer Units	M																																
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--																																
State of Charge Delta	--																																		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	No																																
Test Results																																			
<table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value</th> </tr> </thead> <tbody> <tr> <td>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</td> <td>0.215781</td> <td>--</td> </tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value	HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.215781	--																										
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value																																	
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.215781	--																																	
Manufacturer Test Comments																																			
Hot_Soak_HC_(g) = 0.024241, Diurnal (gHC) = 0.191540																																			
<table border="1"> <thead> <tr> <th>Certification Region</th> <th>Useful Life</th> <th>Standard Level</th> <th>Emission Name</th> <th>Rounded Result</th> <th>Add DF</th> <th>Certification Level</th> <th>Standard</th> <th>Pass/Fail</th> </tr> </thead> <tbody> <tr> <td>Fed</td> <td>150,000 miles</td> <td>Federal Tier 3 Evap</td> <td>HC-TOTAL-EQUIV</td> <td>0.2158</td> <td>0</td> <td>0.216</td> <td>0.500</td> <td>Pass</td> </tr> <tr> <td>CA</td> <td>150,000 miles</td> <td>California LEV-IV Zero Evap (Option 2)</td> <td>HC-TOTAL-EQUIV</td> <td>0.2158</td> <td>0</td> <td>0.216</td> <td>0.500</td> <td>Pass</td> </tr> </tbody> </table>									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	0.2158	0	0.216	0.500	Pass	CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.2158	0	0.216	0.500	Pass
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	0.2158	0	0.216	0.500	Pass																											
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.2158	0	0.216	0.500	Pass																											

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## Certification Summary Information Report

Test Group	VKMXT02.5MP3	Evaporative/Refueling Family	VKMXR0151MPG						
Test #	NKMX10066866	Test Procedure	37 - California Fuel Running Loss						
Exhaust Test # for this Evap Test	NKMX10066851	Test Fuel Type	46 - CARB LEV3 E10 Regular						
Test Date	07/24/2020	Fuel	Gasoline						
Fuel Batch ID	19E-03	Fuel Calibration Number	Gasoline						
Vehicle Class	N/A	DF Type	1						
Verify Test Lab ID	772-1, Jangduck-Dong		Mfr. Determined						
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)								
Test Start Odometer Reading	4225	Odometer Units	M						
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--						
State of Charge Delta	--								
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	No						
Test Results									
<table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value (miles per gallon)</th> </tr> </thead> <tbody> <tr> <td>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</td> <td>0.0001</td> <td>--</td> </tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.0001	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)							
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.0001	--							
Manufacturer Test Comments		22MY KA4 3.5 19"(ETW:4750) CA E10-RL							
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	Add DF	Certification Level	Standard	Pass/Fail	
Fed	150,000 miles	Federal Tier 3 Evap	HC-TOTAL-EQUIV	0.000	0	0.00	0.05	Pass	
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.000	0	0.00	0.05	Pass	

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## Certification Summary Information Report

Test Group	VKMXT02.5MP3	Evaporative/Refueling Family	VKMXR0151MPG						
Test #	NKMX10066868	Test Procedure	24 - Federal fuel refueling test (ORVR)						
Exhaust Test # for this Evap Test	NKMX10066859	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)						
Test Date	07/21/2020	Fuel	Gasoline						
Fuel Batch ID	19T-03	Fuel Calibration Number	1						
Vehicle Class	N/A	DF Type	Mfr. Determined						
Verify Test Lab ID	772-1, Jangduck-Dong								
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)								
Test Start Odometer Reading	4157	Odometer Units	M						
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--						
State of Charge Delta	--								
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	No						
Test Results									
<table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value (miles per gallon)</th> </tr> </thead> <tbody> <tr> <td>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</td> <td>0.0011</td> <td>--</td> </tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.0011	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)							
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.0011	--							
Manufacturer Test Comments									
22MY KA4 3.5 19"(ETW:4750) CA E10-ORVR									
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	0.001	0	0.00	0.20	Pass	
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.001	0	0.00	0.20	Pass	

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## Certification Summary Information Report

Test Group	VKMXT02.5MP3	Evaporative/Refueling Family	VKMXR0151MPG																																										
Test #	NKMX10066870	Test Procedure	65 - Evap Canister Bleed Test																																										
Exhaust Test # for this Evap Test	--	Test Fuel Type	46 - CARB LEV3 E10 Regular																																										
Test Date	07/09/2020	Fuel	Gasoline																																										
Fuel Batch ID	19E-03	Fuel Calibration Number	1																																										
Vehicle Class	N/A	DF Type	Mfr. Determined																																										
Verify Test Lab ID	772-1, Jangduck-Dong																																												
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)																																												
Test Start Odometer Reading	4112	Odometer Units	M																																										
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--																																										
State of Charge Delta	--																																												
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	No																																										
Test Results																																													
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Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)																																											
HC-TOTAL (Total Hydrocarbon)	0.0061	--																																											
Manufacturer Test Comments																																													
22MY KA4 3.5 19"(ETW:4750) CA E10-Bleed																																													
<table border="1"> <thead> <tr> <th colspan="10">Certification</th> </tr> <tr> <th>Region</th> <th>Useful Life</th> <th>Standard Level</th> <th>Emission Name</th> <th>Rounded Result</th> <th>Add DF</th> <th>Certification Level</th> <th>Standard</th> <th>Pass/Fail</th> </tr> </thead> <tbody> <tr> <td>Fed</td> <td>150,000 miles</td> <td>Federal Tier 3 Evap</td> <td>HC-TOTAL</td> <td>0.0061</td> <td>0</td> <td>0.006</td> <td>0.020</td> <td>Pass</td> </tr> <tr> <td>CA</td> <td>150,000 miles</td> <td>California LEV-IV Zero Evap (Option 2)</td> <td>HC-TOTAL</td> <td>0.0061</td> <td>0</td> <td>0.006</td> <td>0.020</td> <td>Pass</td> </tr> </tbody> </table>									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	0.0061	0	0.006	0.020	Pass	CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL	0.0061	0	0.006	0.020	Pass
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	0.0061	0	0.006	0.020	Pass																																					
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL	0.0061	0	0.006	0.020	Pass																																					

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## Certification Summary Information Report

Test Group	VKMXT02.5MP3	Evaporative/Refueling Family	VKMXR0151MPG																																
Test #	NKMX10066871	Test Procedure	68 - Leak Test - Port Near Fuel Pipe																																
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)																																
Test Date	07/28/2020	Fuel	Gasoline																																
Fuel Batch ID	19T-03	Fuel Calibration Number	1																																
Vehicle Class	N/A	DF Type	Mfr. Determined																																
Verify Test Lab ID	772-1, Jangduck-Dong																																		
E10 Evaporative Test Measurement Method	--																																		
Test Start Odometer Reading	4253	Odometer Units	M																																
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--																																
State of Charge Delta	--																																		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	No																																
Test Results																																			
<table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value</th> </tr> </thead> <tbody> <tr> <td>LEAK-DIA (Effective Leak Diameter (inches))</td> <td>0</td> <td>--</td> </tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value	LEAK-DIA (Effective Leak Diameter (inches))	0	--																										
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value																																	
LEAK-DIA (Effective Leak Diameter (inches))	0	--																																	
Manufacturer Test Comments																																			
22MY KA4 3.5 19"(ETW:4750) CA E10-Leak Test Port Near Fuel Pipe-Correct Odometer																																			
<table border="1"> <thead> <tr> <th>Certification Region</th> <th>Useful Life</th> <th>Standard Level</th> <th>Emission Name</th> <th>Rounded Result</th> <th>Add DF</th> <th>Certification Level</th> <th>Standard</th> <th>Pass/Fail</th> </tr> </thead> <tbody> <tr> <td>Fed</td> <td>150,000 miles</td> <td>Federal Tier 3 Evap</td> <td>LEAK-DIA</td> <td>0.0000</td> <td>0</td> <td>0.000</td> <td>0.020</td> <td>Pass</td> </tr> <tr> <td>CA</td> <td>150,000 miles</td> <td>California LEV-IV Zero Evap (Option 2)</td> <td>LEAK-DIA</td> <td>0.000</td> <td>0</td> <td>0.00</td> <td>0.02</td> <td>Pass</td> </tr> </tbody> </table>									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	LEAK-DIA	0.0000	0	0.000	0.020	Pass	CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	LEAK-DIA	0.000	0	0.00	0.02	Pass
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	LEAK-DIA	0.0000	0	0.000	0.020	Pass																											
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	LEAK-DIA	0.000	0	0.00	0.02	Pass																											

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## Certification Summary Information Report

Test Group	VKMXT02.5MP3	Evaporative/Refueling Family	VKMXR0151MPG																																
Test #	NKMX10066872	Test Procedure	67 - Leak Test - Port Near Canister																																
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)																																
Test Date	07/28/2020	Fuel	Gasoline																																
Fuel Batch ID	19T-03	Fuel Calibration Number	1																																
Vehicle Class	N/A	DF Type	Mfr. Determined																																
Verify Test Lab ID	772-1, Jangduck-Dong																																		
E10 Evaporative Test Measurement Method	--																																		
Test Start Odometer Reading	4253	Odometer Units	M																																
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--																																
State of Charge Delta	--																																		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	No																																
Test Results																																			
<table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value</th> </tr> </thead> <tbody> <tr> <td>LEAK-DIA (Effective Leak Diameter (inches))</td> <td>0</td> <td>--</td> </tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value	LEAK-DIA (Effective Leak Diameter (inches))	0	--																										
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value																																	
LEAK-DIA (Effective Leak Diameter (inches))	0	--																																	
Manufacturer Test Comments																																			
22MY KA4 3.5 19"(ETW:4750) CA E10-Leak Test Port Near Canister-CORRECT ODORMETER																																			
<table border="1"> <thead> <tr> <th>Certification Region</th> <th>Useful Life</th> <th>Standard Level</th> <th>Emission Name</th> <th>Rounded Result</th> <th>Add DF</th> <th>Certification Level</th> <th>Standard</th> <th>Pass/Fail</th> </tr> </thead> <tbody> <tr> <td>Fed</td> <td>150,000 miles</td> <td>Federal Tier 3 Evap</td> <td>LEAK-DIA</td> <td>0.0000</td> <td>0</td> <td>0.000</td> <td>0.020</td> <td>Pass</td> </tr> <tr> <td>CA</td> <td>150,000 miles</td> <td>California LEV-IV Zero Evap (Option 2)</td> <td>LEAK-DIA</td> <td>0.000</td> <td>0</td> <td>0.00</td> <td>0.02</td> <td>Pass</td> </tr> </tbody> </table>									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	LEAK-DIA	0.0000	0	0.000	0.020	Pass	CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	LEAK-DIA	0.000	0	0.00	0.02	Pass
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	LEAK-DIA	0.0000	0	0.000	0.020	Pass																											
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	LEAK-DIA	0.000	0	0.00	0.02	Pass																											

## Certification Summary Information Report

Test Group	VKMXT02.5MP3	Evaporative/Refueling Family	VKMXR0151MPG						
<b>Emission Data Vehicle Information</b>									
<b>Vehicle ID / Configuration</b>	LQ2HAU6H5TA100A / 0	<b>Manufacturer Vehicle Configuration Number</b>	0						
<b>Original Test Group Name</b>	VKMXT02.5MP3	<b>Original Evaporative/Refueling Family</b>	VKMXR0151MPG						
<b>Original Test Vehicle Model Year</b>	2027								
<b>Vehicle Model</b>									
<b>Represented Test Vehicle Make</b>	Kia	<b>Represented Test Vehicle Model</b>	Telluride						
<b>Leak Family Details</b>									
<b>Leak Family Identifier</b>	LQ2	<b>Leak Family Name</b>	VKMXR0151MPG-LQ2						
<b>Drive Sources and Fuel System Details</b>									
<table border="1"> <thead> <tr> <th>Drive Source and Fuel#</th><th>Drive Source</th><th>Fuel</th></tr> </thead> <tbody> <tr> <td>1</td><td>Combustion Engine</td><td>Gasoline</td></tr> </tbody> </table>				Drive Source and Fuel#	Drive Source	Fuel	1	Combustion Engine	Gasoline
Drive Source and Fuel#	Drive Source	Fuel							
1	Combustion Engine	Gasoline							
<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>	0.9997						
<b>Odometer Correction Sign</b>	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles								
<b>Odometer Correction Units</b>	Miles								
<b>Engine Code</b>	G4KP-AC	<b>Rated Horsepower</b>	274						
<b>Displacement (liters)</b>	2.5								
<b>Air Aspiration Method</b>	Turbocharged	<b>Air Aspiration Method, if 'Other'</b>							
<b>Number of Air Aspiration Devices</b>	1	<b>Air Aspiration Device Configuration</b>	Single						
<b>Charge Air Cooler Type</b>	Liquid	<b>Drive Mode While Testing</b>	2-Wheel Drive, Front						
<b>Shift Indicator Light Usage</b>	Not equipped	<b>Aged Emission Components</b>	4,000 (mi)						
<b>Curb Weight (lbs)</b>	4729	<b>Equivalent Test Weight (pounds)</b>	5250						
<b>GVWR (lbs)</b>	6261	<b>N/V Ratio</b>	26.2						
<b>Axle Ratio</b>	3.51								
<b>Transmission Type</b>	Semi-Automatic	<b># of Transmission Gears</b>	8						
<b>Transmission Lockup</b>	Yes	<b>Creeper Gear</b>	No						

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### Certification Summary Information Report

Test Group	VKMXT02.5MP3			Evaporative/Refueling Family			VKMXR0151MPG						
<b>Dynamometer Coefficients:</b>													
<b>Target Coefficients</b>						<b>Set Coefficients</b>							
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	EPA Calculated Total Road Load Horse Power for City/Hwy/Evap Coefficients						
City/Hwy/Evap	39.277	0.50035	0.026036	20.346	0.21615	0.027415	17.3						
Cold CO	43.205	0.55039	0.02864	12.806	-0.07055	0.032817	N/A						
US06	39.277	0.50035	0.026036	20.346	0.21615	0.027415	N/A						
<b>Emission Control Device Comments</b>	--												
<b>Manufacturer Test Vehicle Comments</b>	Telluride X-PRO 2.5 8AT 18in X-Pro 5250 AWD. TYPO of EVAP family was corrected.												

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**Certification Summary Information Report**

<b>Test Group</b>	<b>VKMXT02.5MP3</b>	<b>Evaporative/Refueling Family</b>	<b>VKMXR0151MPG</b>
<b>Test #</b>	<b>VKMX10091532</b>	<b>Test Procedure</b>	<b>11 - Cold CO</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	28 - Cold CO E10 Regular Gasoline (Tier 3)
<b>Test Date</b>	06/19/2025	<b>Fuel</b>	Gasoline
<b>Fuel Batch ID</b>	25D-01	<b>Fuel Calibration Number</b>	1
<b>Vehicle Class</b>	LDT3 (ALVV 3751-5750, LVW 0-3750, GVW > 6000)	<b>DF Type</b>	Mfr. Determined
<b>Verify Test Lab ID</b>	772-1, Jangduck-Dong		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	4464	<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 1066 (+/- 2.0 mph, +/- 1.0 sec)	<b>Road Speed Fan Usage</b>	Yes
<b>Test Results</b>			

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## Certification Summary Information Report

Test Group	VKMXT02.5MP3	Evaporative/Refueling Family	VKMXR0151MPG									
Test Result Name		Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)									
CO2 BAG 1 (Bag 1 Carbon Dioxide)		539	--									
CO BAG 1 (Bag 1 Carbon Monoxide)		0.83	--									
FE BAG 1 (Bag 1 Fuel Economy)		16.1	16.1									
CH4 BAG 1 (Bag 1 Methane)		0.14	--									
NMOG BAG 1 (Bag 1 Non-methane organic gases)		0.205	--									
CO2 BAG 2 (Bag 2 Carbon Dioxide)		452	--									
CO BAG 2 (Bag 2 Carbon Monoxide)		0.05	--									
FE BAG 2 (Bag 2 Fuel Economy)		19.3	19.3									
CH4 BAG 2 (Bag 2 Methane)		0	--									
NMOG BAG 2 (Bag 2 Non-methane organic gases)		0.003	--									
CO2 BAG 3 (Bag 3 Carbon Dioxide)		383	--									
CO BAG 3 (Bag 3 Carbon Monoxide)		0	--									
FE BAG 3 (Bag 3 Fuel Economy)		22.7	22.7									
CH4 BAG 3 (Bag 3 Methane)		0	--									
NMOG BAG 3 (Bag 3 Non-methane organic gases)		0.008	--									
METHANE (CH4 - Methane)		0.0082	--									
CO (Carbon Monoxide)		0.1977	--									
DT-ASCR (Drive Trace Absolute Speed Change Rating)		-0.89	--									
DT-EER (Drive Trace Energy Economy Rating)		-0.84	--									
DT-IWRR (Drive Trace Inertia Work Ratio Rating)		-1.12	--									
MFR FE (Manufacturer Fuel Economy)		19.2902	19.2902									
NOX (Nitrogen Oxide)		0.0062	--									
NMOG (Non-methane organic gases)		0.0318	--									
Test Result Name		Unrounded Test Result	Verify Calculated CO2									
Carbon dioxide		451.0887	--									
Manufacturer Test Comments												
LQ2 2.5T X-PRO 5250 18inch E10 - Cold FTP (Normal mode) Typo of fuel batch ID was corrected to 25D-01												
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	50,000 miles	Federal Tier 3 Bin 30	CO	0.20	--	--	--	0.06	--	0.3	12.5	Pass
CA	50,000 miles	California LEV-IV SULEV30	CO	0.20	--	--	--	0.06	--	0.3	12.5	Pass

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**Certification Summary Information Report**

<b>Test Group</b>	<b>VKMXT02.5MP3</b>	<b>Evaporative/Refueling Family</b>	<b>VKMXR0151MPG</b>

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## Certification Summary Information Report

Test Group	VKMXT02.5MP3	Evaporative/Refueling Family	VKMXR0151MPG																											
Test #	VKMX10091533	Test Procedure	52 - Fed. fuel 50 F exh.																											
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)																											
Test Date	06/10/2025	Fuel	Gasoline																											
Fuel Batch ID	25T-02	Fuel Calibration Number	1																											
Vehicle Class	LDT3 (ALVV 3751-5750, LVW 0-3750, GVW > 6000)	DF Type	Mfr. Determined																											
Verify Test Lab ID	772-1, Jangduck-Dong																													
E10 Evaporative Test Measurement Method	--																													
Test Start Odometer Reading	4339	Odometer Units	M																											
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--																											
State of Charge Delta	--																													
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes																											
Test Results																														
<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>0.0032</td><td>--</td></tr> <tr> <td>CO (Carbon Monoxide)</td><td>0.0646</td><td>--</td></tr> <tr> <td>DT-ASCR (Drive Trace Absolute Speed Change Rating)</td><td>-1.69</td><td>--</td></tr> <tr> <td>DT-EER (Drive Trace Energy Economy Rating)</td><td>-1.16</td><td>--</td></tr> <tr> <td>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</td><td>-2.51</td><td>--</td></tr> <tr> <td>MFR FE (Manufacturer Fuel Economy)</td><td>21.6902</td><td>21.6902</td></tr> <tr> <td>NOX (Nitrogen Oxide)</td><td>0.0068</td><td>--</td></tr> <tr> <td>NMOG (Non-methane organic gases)</td><td>0.0042</td><td>--</td></tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	METHANE (CH4 - Methane)	0.0032	--	CO (Carbon Monoxide)	0.0646	--	DT-ASCR (Drive Trace Absolute Speed Change Rating)	-1.69	--	DT-EER (Drive Trace Energy Economy Rating)	-1.16	--	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-2.51	--	MFR FE (Manufacturer Fuel Economy)	21.6902	21.6902	NOX (Nitrogen Oxide)	0.0068	--	NMOG (Non-methane organic gases)	0.0042	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)																												
METHANE (CH4 - Methane)	0.0032	--																												
CO (Carbon Monoxide)	0.0646	--																												
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-1.69	--																												
DT-EER (Drive Trace Energy Economy Rating)	-1.16	--																												
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-2.51	--																												
MFR FE (Manufacturer Fuel Economy)	21.6902	21.6902																												
NOX (Nitrogen Oxide)	0.0068	--																												
NMOG (Non-methane organic gases)	0.0042	--																												
<table border="1"> <thead> <tr> <th>Test Result Name</th><th>Unrounded Test Result</th><th>Verify Calculated CO2</th></tr> </thead> <tbody> <tr> <td>Carbon dioxide</td><td>402.8559</td><td>--</td></tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated CO2	Carbon dioxide	402.8559	--																					
Test Result Name	Unrounded Test Result	Verify Calculated CO2																												
Carbon dioxide	402.8559	--																												
Manufacturer Test Comments	LQ2 2.5T X-PRO 5250 18inch E10 - 50F (Normal mode)																													

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## Certification Summary Information Report

Test Group				VKMXT02.5MP3				Evaporative/Refueling Family				VKMXR0151MPG		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result		NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail		
				RAF										
CA	4,000 miles	California LEV-IV SULEV30	CO	0.06	--	--	--	--	--	0.1	1.0	Pass		
CA	4,000 miles	California LEV-IV SULEV30	NMOG	0.0042	--	1.10	--	--	--	0.004	99.999	Pass		
CA	4,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0110	--	--	--	--	--	0.011	0.060	Pass		
CA	4,000 miles	California LEV-IV SULEV30	NOX	0.0068	--	--	--	--	--	0.007	99.999	Pass		

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## Certification Summary Information Report

Test Group	VKMXT02.5MP3	Evaporative/Refueling Family	VKMXR0151MPG
Test #	VKMX91006591	Test Procedure	21 - Federal fuel 2-day exhaust (w/can load)
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	09/05/2025	Fuel	Gasoline
Fuel Batch ID	43732	Fuel Calibration Number	2
Vehicle Class	LDT3 (ALVW 3751-5750, LVW 0-3750, GVW > 6000)	DF Type	Mfr. Determined
Verify Test Lab ID	--		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4963	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 ( +/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
Test Results			

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## Certification Summary Information Report

Test Group	VKMXT02.5MP3	Evaporative/Refueling Family	VKMXR0151MPG
<b>Test Result Name</b>	<b>Unrounded Test Result</b>	<b>Verify Calculated FE Equivalent Value (miles per gallon)</b>	
CO2 BAG 1 (Bag 1 Carbon Dioxide)	432.5580444	--	
CO BAG 1 (Bag 1 Carbon Monoxide)	0.212431	--	
FE BAG 1 (Bag 1 Fuel Economy)	999	--	
CH4 BAG 1 (Bag 1 Methane)	0.007507	--	
NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0488925	--	
CO2 BAG 2 (Bag 2 Carbon Dioxide)	409.5108948	--	
CO BAG 2 (Bag 2 Carbon Monoxide)	0	--	
FE BAG 2 (Bag 2 Fuel Economy)	999	--	
CH4 BAG 2 (Bag 2 Methane)	0.0025808	--	
NMOG BAG 2 (Bag 2 Non-methane organic gases)	0.0004416	--	
CO2 BAG 3 (Bag 3 Carbon Dioxide)	384.093689	--	
CO BAG 3 (Bag 3 Carbon Monoxide)	0.0039043	--	
FE BAG 3 (Bag 3 Fuel Economy)	999	--	
CH4 BAG 3 (Bag 3 Methane)	0.0020411	--	
NMOG BAG 3 (Bag 3 Non-methane organic gases)	0.0000386	--	
METHANE (CH4 - Methane)	0.0034517	--	
CO (Carbon Monoxide)	0.0449999	--	
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.4601968	--	
DT-EER (Drive Trace Energy Economy Rating)	-0.0818733	--	
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.2842916	--	
MFR FE (Manufacturer Fuel Economy)	999	--	
NOX (Nitrogen Oxide)	0.0080556	--	
N2O (Nitrous Oxide)	0.0021071	--	
HC-NM (Non-methane Hydrocarbon)	0.0094042	--	
NMOG (Non-methane organic gases)	0.0103272	--	
PM (Particulate Matter)	0.0003131	--	
HC-TOTAL (Total Hydrocarbon)	0.0127479	--	
<b>Test Result Name</b>	<b>Unrounded Test Result</b>	<b>Verify Calculated CREE/OPT-CREE</b>	
Carbon-Related Exhaust Emissions	9999.9999999	407	
<b>Test Result Name</b>	<b>Unrounded Test Result</b>	<b>Verify Calculated CO2</b>	
Carbon dioxide	407.3131714	--	
<b>Manufacturer Test Comments</b>	None Unrounded Result for the following test results were modified by Verify: FE BAG 2, MFR FE, FE BAG 1, FE BAG 3		

## Certification Summary Information Report

Test Group				VKMXT02.5MP3				Evaporative/Refueling Family				VKMXR0151MPG		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result		NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail		
				RAF	Result									
Fed	120,000 miles	Federal Tier 3 Bin 30	CREE	407	--	--	--	0.247782	--	407	--	--		
Fed	120,000 miles	Federal Tier 3 Bin 30	METHANE	0.0035	--	--	--	0.0019	--	0.005	0.030	Pass		
Fed	120,000 miles	Federal Tier 3 Bin 30	N2O	0.0021	--	--	--	0.0024	--	0.004	0.010	Pass		
Fed	150,000 miles	Federal Tier 3 Bin 30	CO	0.04	--	--	--	0.18	--	0.2	1.0	Pass		
Fed	150,000 miles	Federal Tier 3 Bin 30	CO-COMP	0.23	--	--	--	0	--	0.2	4.2	Pass		
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0103	--	1.10	--	0.0022	--	0.012	99.999	Pass		
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX	0.0184	--	--	--	--	--	0.023	0.030	Pass		
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX-COMP	0.0187	--	--	--	0	--	0.019	0.030	Pass		
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0081	--	--	--	0.0028	--	0.011	99.999	Pass		
Fed	150,000 miles	Federal Tier 3 Bin 30	PM	0.0003	--	--	--	0.0000	--	0.000	0.003	Pass		
CA	150,000 miles	California LEV-IV SULEV30	CO	0.04	--	--	--	0.18	--	0.2	1.0	Pass		
CA	150,000 miles	California LEV-IV SULEV30	NMOG	0.0103	--	1.10	--	0.0022	--	0.012	99.999	Pass		
CA	150,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0184	--	--	--	--	--	0.023	0.030	Pass		
CA	150,000 miles	California LEV-IV SULEV30	NOX	0.0081	--	--	--	0.0028	--	0.011	99.999	Pass		
CA	150,000 miles	California LEV-IV SULEV30	PM	0.0003	--	--	--	0.0000	--	0.000	0.001	Pass		

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

## Certification Summary Information Report

Test Group	VKMXT02.5MP3	Evaporative/Refueling Family	VKMXR0151MPG																																				
Test #	VKMX91006590	Test Procedure	3 - HWFE																																				
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)																																				
Test Date	09/05/2025	Fuel	Gasoline																																				
Fuel Batch ID	43732	Fuel Calibration Number	2																																				
Vehicle Class	LDT3 (ALVV 3751-5750, LVW 0-3750, GVW > 6000)	DF Type	Mfr. Determined																																				
Verify Test Lab ID	--																																						
E10 Evaporative Test Measurement Method	--																																						
Test Start Odometer Reading	4974	Odometer Units	M																																				
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--																																				
State of Charge Delta	--																																						
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes																																				
Test Results																																							
<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>0.0004405</td><td>--</td></tr> <tr> <td>CO (Carbon Monoxide)</td><td>0.0138188</td><td>--</td></tr> <tr> <td>DT-ASCR (Drive Trace Absolute Speed Change Rating)</td><td>3.5805302</td><td>--</td></tr> <tr> <td>DT-EER (Drive Trace Energy Economy Rating)</td><td>-0.299486</td><td>--</td></tr> <tr> <td>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</td><td>5.1691642</td><td>--</td></tr> <tr> <td>MFR FE (Manufacturer Fuel Economy)</td><td>32.4149513</td><td>--</td></tr> <tr> <td>NOX (Nitrogen Oxide)</td><td>0.0022357</td><td>--</td></tr> <tr> <td>N2O (Nitrous Oxide)</td><td>0.0002274</td><td>--</td></tr> <tr> <td>HC-NM (Non-methane Hydrocarbon)</td><td>0.0007036</td><td>--</td></tr> <tr> <td>NMOG (Non-methane organic gases)</td><td>0.0007247</td><td>--</td></tr> <tr> <td>HC-TOTAL (Total Hydrocarbon)</td><td>0.0011303</td><td>--</td></tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	METHANE (CH4 - Methane)	0.0004405	--	CO (Carbon Monoxide)	0.0138188	--	DT-ASCR (Drive Trace Absolute Speed Change Rating)	3.5805302	--	DT-EER (Drive Trace Energy Economy Rating)	-0.299486	--	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	5.1691642	--	MFR FE (Manufacturer Fuel Economy)	32.4149513	--	NOX (Nitrogen Oxide)	0.0022357	--	N2O (Nitrous Oxide)	0.0002274	--	HC-NM (Non-methane Hydrocarbon)	0.0007036	--	NMOG (Non-methane organic gases)	0.0007247	--	HC-TOTAL (Total Hydrocarbon)	0.0011303	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)																																					
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DT-IWRR (Drive Trace Inertia Work Ratio Rating)	5.1691642	--																																					
MFR FE (Manufacturer Fuel Economy)	32.4149513	--																																					
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<table border="1"> <thead> <tr> <th>Test Result Name</th><th>Unrounded Test Result</th><th>Verify Calculated CREE/OPT-CREE</th></tr> </thead> <tbody> <tr> <td>Carbon-Related Exhaust Emissions</td><td>9999.999999</td><td>268</td></tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE	Carbon-Related Exhaust Emissions	9999.999999	268																														
Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE																																					
Carbon-Related Exhaust Emissions	9999.999999	268																																					
<table border="1"> <thead> <tr> <th>Test Result Name</th><th>Unrounded Test Result</th><th>Verify Calculated CO2</th></tr> </thead> <tbody> <tr> <td>Carbon dioxide</td><td>268.4006042</td><td>--</td></tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated CO2	Carbon dioxide	268.4006042	--																														
Test Result Name	Unrounded Test Result	Verify Calculated CO2																																					
Carbon dioxide	268.4006042	--																																					
Manufacturer Test Comments	None																																						

## Certification Summary Information Report

Test Group				VKMXT02.5MP3		Evaporative/Refueling Family						VKMXR0151MPG		
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
				Result	Unit			Factor	Value					
Fed	120,000 miles	Federal Tier 3 Bin 30	CREE	268	--	--	--	--	0.247782	--	--	268	--	--
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0007	--	1.03	--	--	0.0022	--	--	0.003	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX	0.0029	--	--	--	--	--	--	--	0.008	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0022	--	--	--	--	0.0028	--	--	0.005	99.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG	0.0007	--	1.03	--	--	0.0022	--	--	0.003	99.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0029	--	--	--	--	--	--	--	0.008	0.030	Pass
CA	150,000 miles	California LEV-IV SULEV30	NOX	0.0022	--	--	--	--	0.0028	--	--	0.005	99.999	Pass

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

## Certification Summary Information Report

Test Group	VKMXT02.5MP3	Evaporative/Refueling Family	VKMXR0151MPG
Test #	VKMX10091531	Test Procedure	90 - US06
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	06/03/2025	Fuel	Gasoline
Fuel Batch ID	25T-02	Fuel Calibration Number	1
Vehicle Class	LDT3 (ALVV 3751-5750, LVW 0-3750, GVW > 6000)	DF Type	Mfr. Determined
Verify Test Lab ID	772-1, Jangduck-Dong		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4277	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
Test Results			
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	
CO2 BAG 1 (Bag 1 Carbon Dioxide)	694	--	
CO BAG 1 (Bag 1 Carbon Monoxide)	0	--	
FE BAG 1 (Bag 1 Fuel Economy)	12.6	12.6	
CH4 BAG 1 (Bag 1 Methane)	0.004	--	
NMOG BAG 1 (Bag 1 Non-methane organic gases)	0	--	
CO2 BAG 2 (Bag 2 Carbon Dioxide)	376	--	
CO BAG 2 (Bag 2 Carbon Monoxide)	0.17	--	
FE BAG 2 (Bag 2 Fuel Economy)	23.2	23.2	
CH4 BAG 2 (Bag 2 Methane)	0.002	--	
NMOG BAG 2 (Bag 2 Non-methane organic gases)	0	--	
METHANE (CH4 - Methane)	0.0028	--	
CO (Carbon Monoxide)	0.1301	--	
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-2.94	--	
DT-EER (Drive Trace Energy Economy Rating)	-2.06	--	
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-3.57	--	
MFR FE (Manufacturer Fuel Economy)	19.5952	19.5952	
NOX (Nitrogen Oxide)	0.0143	--	
NMOG (Non-methane organic gases)	0	--	
PM (Particulate Matter)	0.0028	--	

## Certification Summary Information Report

Test Group				VKMXT02.5MP3				Evaporative/Refueling Family				VKMXR0151MPG			
				Test Result Name		Unrounded Test Result			Verify Calculated CO2						
				Carbon dioxide		446.1902			--						
Manufacturer Test Comments				LQ2 2.5T X-PRO 5250 18inch E10 - US06 (Normal mode)											
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail			
Fed	150,000 miles	Federal Tier 3 Bin 30	CO	0.1301	--	--	--	0.18	--	0.310	99.999	Pass			
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0000	--	1.03	--	0.0022	--	0.002	99.999	Pass			
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX	0.0143	--	--	--	--	--	0.019	99.999	Pass			
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0143	--	--	--	0.0028	--	0.017	99.999	Pass			
Fed	150,000 miles	Federal Tier 3 Bin 30	PM	0.0028	--	--	--	0.0000	--	0.003	0.006	Pass			
CA	150,000 miles	California LEV-IV SULEV30	CO	0.13	--	--	--	0.18	--	0.3	9.6	Pass			
CA	150,000 miles	California LEV-IV SULEV30	NMOG	0.0000	--	1.03	--	0.0022	--	0.002	99.999	Pass			
CA	150,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0143	--	--	--	--	--	0.019	0.036	Pass			
CA	150,000 miles	California LEV-IV SULEV30	NOX	0.0143	--	--	--	0.0028	--	0.017	99.999	Pass			
CA	150,000 miles	California LEV-IV SULEV30	PM	0.0028	--	--	--	0.0006	--	0.003	0.006	Pass			

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## Certification Summary Information Report

Test Group	VKMXT02.5MP3	Evaporative/Refueling Family	VKMXR0151MPG																											
Test #	VKMX10091530	Test Procedure	95 - SC03																											
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)																											
Test Date	06/06/2025	Fuel	Gasoline																											
Fuel Batch ID	25T-02	Fuel Calibration Number	1																											
Vehicle Class	LDT3 (ALVV 3751-5750, LVW 0-3750, GVW > 6000)	DF Type	Mfr. Determined																											
Verify Test Lab ID	772-1, Jangduck-Dong																													
E10 Evaporative Test Measurement Method	--																													
Test Start Odometer Reading	4324	Odometer Units	M																											
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--																											
State of Charge Delta	--																													
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes																											
<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>0.0013</td><td>--</td></tr> <tr> <td>CO (Carbon Monoxide)</td><td>0</td><td>--</td></tr> <tr> <td>DT-ASCR (Drive Trace Absolute Speed Change Rating)</td><td>-1.4</td><td>--</td></tr> <tr> <td>DT-EER (Drive Trace Energy Economy Rating)</td><td>-1.15</td><td>--</td></tr> <tr> <td>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</td><td>-2.14</td><td>--</td></tr> <tr> <td>MFR FE (Manufacturer Fuel Economy)</td><td>18.7229</td><td>18.7229</td></tr> <tr> <td>NOX (Nitrogen Oxide)</td><td>0.0088</td><td>--</td></tr> <tr> <td>NMOG (Non-methane organic gases)</td><td>0</td><td>--</td></tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	METHANE (CH4 - Methane)	0.0013	--	CO (Carbon Monoxide)	0	--	DT-ASCR (Drive Trace Absolute Speed Change Rating)	-1.4	--	DT-EER (Drive Trace Energy Economy Rating)	-1.15	--	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-2.14	--	MFR FE (Manufacturer Fuel Economy)	18.7229	18.7229	NOX (Nitrogen Oxide)	0.0088	--	NMOG (Non-methane organic gases)	0	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)																												
METHANE (CH4 - Methane)	0.0013	--																												
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DT-ASCR (Drive Trace Absolute Speed Change Rating)	-1.4	--																												
DT-EER (Drive Trace Energy Economy Rating)	-1.15	--																												
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-2.14	--																												
MFR FE (Manufacturer Fuel Economy)	18.7229	18.7229																												
NOX (Nitrogen Oxide)	0.0088	--																												
NMOG (Non-methane organic gases)	0	--																												
<table border="1"> <thead> <tr> <th>Test Result Name</th><th>Unrounded Test Result</th><th>Verify Calculated CO2</th></tr> </thead> <tbody> <tr> <td>Carbon dioxide</td><td>466.6815</td><td>--</td></tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated CO2	Carbon dioxide	466.6815	--																					
Test Result Name	Unrounded Test Result	Verify Calculated CO2																												
Carbon dioxide	466.6815	--																												
Manufacturer Test Comments	LQ2 2.5T X-PRO 5250 18inch E10 - SC03 (Normal mode)																													

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## Certification Summary Information Report

Test Group				VKMXT02.5MP3		Evaporative/Refueling Family					VKMXR0151MPG		
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
							Factor						
Fed	150,000 miles	Federal Tier 3 Bin 30	CO	0.0000	--	--	--	--	0.18	--	0.180	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0000	--	1.03	--	--	0.0022	--	0.002	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX	0.0088	--	--	--	--	--	--	0.014	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0088	--	--	--	--	0.0028	--	0.012	99.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	CO	0.00	--	--	--	--	0.18	--	0.2	1.0	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG	0.0000	--	1.03	--	--	0.0022	--	0.002	99.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0088	--	--	--	--	--	--	0.014	0.030	Pass
CA	150,000 miles	California LEV-IV SULEV30	NOX	0.0088	--	--	--	--	0.0028	--	0.012	99.999	Pass

## Certification Summary Information Report

Test Group	VKMXT02.5MP3	Evaporative/Refueling Family	VKMXR0151MPG
<b>Fuel Properties</b>			
<b>Fuel Batch ID</b>	<b>43732</b>	<b>Fuel Calibration Number</b>	<b>2</b>
<b>Test Fuel Type</b>	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)	<b>Fuel Batch Calibration Date</b>	06/13/2025
<b>Fuel Batch Calibration Effective Date</b>	06/13/2025	<b>Fuel Batch Calibration Ineffective Date</b>	--
<b>Carbon Weight Fraction NMHC</b>	--	<b>Carbon Weight Fraction HC</b>	--
<b>Exhaust Carbon Weight Fraction</b>	--	<b>Fuel Methanol Volume Fraction</b>	--
<b>Fuel Density (grams/cubic ft)</b>	--	<b>Fuel Specific Gravity</b>	0.749
<b>Fuel Ethanol Volume Percent (%)</b>	9.6	<b>Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)</b>	17885
<b>Fuel Net Heat of Combustion (E10) (MJ/kg)</b>	41.37	<b>Fuel Carbon Mass Fraction (E10)</b>	0.83
<b>Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)</b>	0.828	<b>Weight Fraction CO2</b>	--
<b>Fuel Batch ID</b>	<b>25T-02</b>	<b>Fuel Calibration Number</b>	<b>1</b>
<b>Test Fuel Type</b>	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)	<b>Fuel Batch Calibration Date</b>	08/22/2024
<b>Fuel Batch Calibration Effective Date</b>	03/14/2025	<b>Fuel Batch Calibration Ineffective Date</b>	03/14/2028
<b>Carbon Weight Fraction NMHC</b>	--	<b>Carbon Weight Fraction HC</b>	--
<b>Exhaust Carbon Weight Fraction</b>	--	<b>Fuel Methanol Volume Fraction</b>	--
<b>Fuel Density (grams/cubic ft)</b>	--	<b>Fuel Specific Gravity</b>	0.743
<b>Fuel Ethanol Volume Percent (%)</b>	9.8	<b>Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)</b>	--
<b>Fuel Net Heat of Combustion (E10) (MJ/kg)</b>	41.498	<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>19E-03</b>	<b>Fuel Calibration Number</b>	<b>1</b>
<b>Test Fuel Type</b>	46 - CARB LEV3 E10 Regular Gasoline	<b>Fuel Batch Calibration Date</b>	08/08/2019
<b>Fuel Batch Calibration Effective Date</b>	10/29/2019	<b>Fuel Batch Calibration Ineffective Date</b>	10/29/2022
<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>	0.75
<b>Fuel Ethanol Volume Percent (%)</b>	9.6	<b>Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)</b>	17917
<b>Fuel Net Heat of Combustion (E10) (MJ/kg)</b>	--	<b>Fuel Carbon Mass Fraction (E10)</b>	--
<b>Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)</b>	0.827	<b>Weight Fraction CO2</b>	--
<b>Fuel Batch ID</b>	<b>25D-01</b>	<b>Fuel Calibration Number</b>	<b>1</b>
<b>Test Fuel Type</b>	28 - Cold CO E10 Regular Gasoline (Tier 3)	<b>Fuel Batch Calibration Date</b>	02/25/2025
<b>Fuel Batch Calibration Effective Date</b>	04/02/2025	<b>Fuel Batch Calibration Ineffective Date</b>	04/02/2028
<b>Carbon Weight Fraction NMHC</b>	--	<b>Carbon Weight Fraction HC</b>	--

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## Certification Summary Information Report

Test Group	VKMXT02.5MP3	Evaporative/Refueling Family	VKMXR0151MPG
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.743
Fuel Ethanol Volume Percent (%)	9.9	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	--
Fuel Net Heat of Combustion (E10) (MJ/kg)	41.694	Fuel Carbon Mass Fraction (E10)	0.828
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	--	Weight Fraction CO2	--
Fuel Batch ID	<b>26757</b>	Fuel Calibration Number	<b>1</b>
Test Fuel Type	46 - CARB LEV3 E10 Regular Gasoline	Fuel Batch Calibration Date	07/27/2017
Fuel Batch Calibration Effective Date	07/27/2017	Fuel Batch Calibration Ineffective Date	07/27/2032
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.749
Fuel Ethanol Volume Percent (%)	9.8	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17958
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.827	Weight Fraction CO2	--
Fuel Batch ID	<b>19T-03</b>	Fuel Calibration Number	<b>1</b>
Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	08/22/2019
Fuel Batch Calibration Effective Date	04/13/2020	Fuel Batch Calibration Ineffective Date	04/13/2023
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.743
Fuel Ethanol Volume Percent (%)	9.8	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17949
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.826	Weight Fraction CO2	--

## Certification Summary Information Report

Test Group		VKMXT02.5MP3		Evaporative/Refueling Family				VKMXR0151MPG											
Consolidated List of Standards																			
Exhaust Standards																			
Cert Region	Federal				Cert/In-Use Code				Cert										
Vehicle Class	LDT3 (ALVW 3751-5750, LVW 0-3750, GVW > 6000)				Standard Level				Federal Tier 3 Bin 30										
Fuel	Gasoline				Test Procedure				Federal fuel 2-day exhaust (w/can load)										
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std										
120,000 miles	CREE	--	--	--	--	--	--	0.247782	999										
120,000 miles	METHANE	--	--	--	--	--	--	0.0019	0.030										
120,000 miles	N2O	--	--	--	--	--	--	0.0024	0.010										
150,000 miles	CO	--	--	--	--	--	--	0.18	1.0										
150,000 miles	CO-COMP	--	--	--	--	--	--	0	4.2										
150,000 miles	HCHO	--	--	--	--	--	--	--	0.004										
150,000 miles	NMOG	--	--	1.10	--	--	--	0.0022	99.999										
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0	0.030										
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	0	0.030										
150,000 miles	NOX	--	--	--	--	--	--	0.0028	99.999										
150,000 miles	PM	--	--	--	--	--	--	0.0000	0.003										
Cert Region	California + CAA Section 177 states				Cert/In-Use Code				Cert										
Vehicle Class	LDT3 (ALVW 3751-5750, LVW 0-3750, GVW > 6000)				Standard Level				California LEV-IV SULEV30										
Fuel	Gasoline				Test Procedure				HWFE										
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	NMOG	--	--	1.03	--	--	--	0.0022	99.999										
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0	0.030										
150,000 miles	NOX	--	--	--	--	--	--	0.0028	99.999										

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## Certification Summary Information Report

Test Group		VKMXT02.5MP3		Evaporative/Refueling Family				VKMXR0151MPG		
Cert Region	Federal	Cert/In-Use Code				Cert				
Vehicle Class	LDT3 (ALVW 3751-5750, LVW 0-3750, GVW > 6000)	Standard Level				Federal Tier 3 Bin 30				
Fuel	Gasoline	Test Procedure				SC03				
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std	
150,000 miles	CO	--	--	--	--	--	--	0.18	99.999	
150,000 miles	NMOG	--	--	1.03	--	--	--	0.0022	99.999	
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0	99.999	
150,000 miles	NOX	--	--	--	--	--	--	0.0028	99.999	
Cert Region		California + CAA Section 177 states				Cert/In-Use Code				
Vehicle Class	LDT3 (ALVW 3751-5750, LVW 0-3750, GVW > 6000)	Standard Level				Cert				
Fuel	Gasoline	Test Procedure				California LEV-IV SULEV30				
Useful Life		Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std	
4,000 miles	CO	--	--	--	--	--	--	--	1.0	
4,000 miles	HCHO	--	--	--	--	--	--	--	0.008	
4,000 miles	NMOG	--	--	1.10	--	--	--	--	99.999	
4,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.060	
4,000 miles	NOX	--	--	--	--	--	--	--	99.999	
Cert Region		California + CAA Section 177 states				Cert/In-Use Code				
Vehicle Class	LDT3 (ALVW 3751-5750, LVW 0-3750, GVW > 6000)	Standard Level				Cert				
Fuel	Gasoline	Test Procedure				California LEV-IV SULEV30				
Useful Life		Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std	
150,000 miles	CO	--	--	--	--	--	--	0.18	1.0	
150,000 miles	HCHO	--	--	--	--	--	--	--	0.004	
150,000 miles	NMOG	--	--	1.10	--	--	--	0.0022	99.999	
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0	0.030	
150,000 miles	NOX	--	--	--	--	--	--	0.0028	99.999	
150,000 miles	PM	--	--	--	--	--	--	0.0000	0.001	

## Certification Summary Information Report

Test Group		VKMXT02.5MP3		Evaporative/Refueling Family				VKMXR0151MPG		
<b>Cert Region</b>	Federal	<b>Cert/In-Use Code</b>				Cert				
<b>Vehicle Class</b>	LDT3 (ALVV 3751-5750, LVW 0-3750, GVW > 6000)	<b>Standard Level</b>				Federal Tier 3 Bin 30				
<b>Fuel</b>	Gasoline	<b>Test Procedure</b>				Cold CO				
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std	
50,000 miles	CO	--	--	--	--	--	--	0.06	12.5	
120,000 miles	HC-NM	--	--	--	--	--	--	0.0016	0.5	
<b>Cert Region</b>	Federal	<b>Cert/In-Use Code</b>				Cert				
<b>Vehicle Class</b>	LDT3 (ALVV 3751-5750, LVW 0-3750, GVW > 6000)	<b>Standard Level</b>				Federal Tier 3 Bin 30				
<b>Fuel</b>	Gasoline	<b>Test Procedure</b>				US06				
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std	
150,000 miles	CO	--	--	--	--	--	--	0.18	99.999	
150,000 miles	NMOG	--	--	1.03	--	--	--	0.0022	99.999	
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0	99.999	
150,000 miles	NOX	--	--	--	--	--	--	0.0028	99.999	
150,000 miles	PM	--	--	--	--	--	--	0.0000	0.006	
<b>Cert Region</b>	California + CAA Section 177 states	<b>Cert/In-Use Code</b>				Cert				
<b>Vehicle Class</b>	LDT3 (ALVV 3751-5750, LVW 0-3750, GVW > 6000)	<b>Standard Level</b>				California LEV-IV SULEV30				
<b>Fuel</b>	Gasoline	<b>Test Procedure</b>				US06				
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std	
150,000 miles	CO	--	--	--	--	--	--	0.18	9.6	
150,000 miles	NMOG	--	--	1.03	--	--	--	0.0022	99.999	
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0	0.036	
150,000 miles	NOX	--	--	--	--	--	--	0.0028	99.999	
150,000 miles	PM	--	--	--	--	--	--	0.0006	0.006	

## Certification Summary Information Report

Test Group		VVKMXT02.5MP3		Evaporative/Refueling Family				VVKMXR0151MPG		
<b>Cert Region</b>		California + CAA Section 177 states		Cert/In-Use Code				Cert		
<b>Vehicle Class</b>		LDT3 (ALVW 3751-5750, LVW 0-3750, GVW > 6000)		Standard Level				California LEV-IV SULEV30		
<b>Fuel</b>		Gasoline		Test Procedure				Cold CO		
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std	
50,000 miles	CO	--	--	--	--	--	--	0.06	12.5	
<b>Cert Region</b>	Federal		Cert/In-Use Code				Cert			
<b>Vehicle Class</b>		LDT3 (ALVW 3751-5750, LVW 0-3750, GVW > 6000)		Standard Level				Federal Tier 3 Bin 30		
<b>Fuel</b>		Gasoline		Test Procedure				HWFE		
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std	
120,000 miles	CREE	--	--	--	--	--	--	0.247782	999	
150,000 miles	NMOG	--	--	1.03	--	--	--	0.0022	99.999	
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0	0.030	
150,000 miles	NOX	--	--	--	--	--	--	0.0028	99.999	
<b>Cert Region</b>	California + CAA Section 177 states		Cert/In-Use Code				Cert			
<b>Vehicle Class</b>		LDT3 (ALVW 3751-5750, LVW 0-3750, GVW > 6000)		Standard Level				California LEV-IV SULEV30		
<b>Fuel</b>		Gasoline		Test Procedure				SC03		
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std	
150,000 miles	CO	--	--	--	--	--	--	0.18	1.0	
150,000 miles	NMOG	--	--	1.03	--	--	--	0.0022	99.999	
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0	0.030	
150,000 miles	NOX	--	--	--	--	--	--	0.0028	99.999	
<b>Evaporative/Refueling Standards</b>										

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## Certification Summary Information Report

Test Group	VKMXT02.5MP3		Evaporative/Refueling Family		VKMXR0151MPG			
Evaporative/Refueling Family	VKMXR0151MPG		Cert Region	Federal				
Cert/In-Use Code	Cert		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	--	0.020	0			
Evaporative/Refueling Family	VKMXR0151MPG		Cert Region	California + CAA Section 177 states				
Cert/In-Use Code	Cert		Standard Level	California LEV-IV Zero Evap (Option 2)				
Test Procedure	Leak Test - Port Near Fuel Pipe							
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF			
Gasoline	150,000 miles	LEAK-DIA	--	0.02	0			
Evaporative/Refueling Family	VKMXR0151MPG		Cert Region	California + CAA Section 177 states				
Cert/In-Use Code	Cert		Standard Level	California LEV-IV Zero Evap (Option 2)				
Test Procedure	California fuel 2-day evap							
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF			
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.500	0			
Evaporative/Refueling Family	VKMXR0151MPG		Cert Region	California + CAA Section 177 states				
Cert/In-Use Code	Cert		Standard Level	California LEV-IV Zero Evap (Option 2)				
Test Procedure	Federal fuel refueling test (ORVR)							
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF			
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.20	0			
Evaporative/Refueling Family	VKMXR0151MPG		Cert Region	California + CAA Section 177 states				
Cert/In-Use Code	Cert		Standard Level	California LEV-IV Zero Evap (Option 2)				
Test Procedure	Leak Test - Port Near Canister							
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF			
Gasoline	150,000 miles	LEAK-DIA	--	0.02	0			

## Certification Summary Information Report

Test Group	VKMXT02.5MP3		Evaporative/Refueling Family		VKMXR0151MPG			
Evaporative/Refueling Family	VKMXR0151MPG		Cert Region	Federal				
Cert/In-Use Code	Cert		Standard Level	Federal Tier 3 Evap				
Test Procedure	Leak Test - Port Near Fuel Pipe							
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF			
Gasoline	150,000 miles	LEAK-DIA	--	0.020	0			
Evaporative/Refueling Family	VKMXR0151MPG		Cert Region	Federal				
Cert/In-Use Code	Cert		Standard Level	Federal Tier 3 Evap				
Test Procedure	CA fuel 3-day evap.							
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF			
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.500	0			
Evaporative/Refueling Family	VKMXR0151MPG		Cert Region	Federal				
Cert/In-Use Code	Cert		Standard Level	Federal Tier 3 Evap				
Test Procedure	Leak Test - Port Near Canister							
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF			
Gasoline	150,000 miles	LEAK-DIA	--	0.020	0			
Evaporative/Refueling Family	VKMXR0151MPG		Cert Region	Federal				
Cert/In-Use Code	Cert		Standard Level	Federal Tier 3 Evap				
Test Procedure	California 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	VKMXR0151MPG		Cert Region	Federal				
Cert/In-Use Code	Cert		Standard Level	Federal Tier 3 Evap				
Test Procedure	California fuel 2-day evap							
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF			
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.500	0			
Evaporative/Refueling Family	VKMXR0151MPG		Cert Region	California + CAA Section 177 states				
Cert/In-Use Code	Cert		Standard Level	California LEV-IV Zero Evap (Option 2)				
Test Procedure	California Fuel Running Loss							
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF			
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.05	0			

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## Certification Summary Information Report

Test Group	VKMXT02.5MP3		Evaporative/Refueling Family		VKMXR0151MPG			
<b>Evaporative/Refueling Family</b>	VKMXR0151MPG		<b>Cert Region</b>	California + CAA Section 177 states California LEV-IV Zero Evap (Option 2)				
<b>Cert/In-Use Code</b>	Cert		<b>Standard Level</b>					
<b>Test Procedure</b>	CA fuel 3-day evap.							
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF			
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.500	0			
<b>Evaporative/Refueling Family</b>	VKMXR0151MPG		<b>Cert Region</b>	Federal				
<b>Cert/In-Use Code</b>	Cert		<b>Standard Level</b>	Federal Tier 3 Evap				
<b>Test Procedure</b>	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			
<b>Evaporative/Refueling Family</b>	VKMXR0151MPG		<b>Cert Region</b>	California + CAA Section 177 states California LEV-IV Zero Evap (Option 2)				
<b>Cert/In-Use Code</b>	Cert		<b>Standard Level</b>					
<b>Test Procedure</b>	Evap Canister Bleed Test							
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF			
Gasoline	150,000 miles	HC-TOTAL	--	0.020	0			

## Certification Summary Information Report

Test Group	VKMXT02.5MP3	Evaporative/Refueling Family	VKMXR0151MPG
<b>Glossary</b>			
<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	AS-VOLT	Average System Voltage
CO	Carbon Monoxide	CO2 BAG 1	Bag 1 Carbon Dioxide
CO2	Carbon dioxide	CO2 BAG 2	Bag 2 Carbon Dioxide
CREE	Carbon-Related Exhaust Emissions	CO2 BAG 3	Bag 3 Carbon Dioxide
OPT-CREE	Optional Carbon-Related Exhaust Emissions	CO2 BAG 4	Bag 4 Carbon Dioxide
NOX	Nitrogen Oxide	NMOG+NOX	Non-methane organic gases plus Nitrogen Oxides
PM	Particulate Matter	NMOG+NOX-COMP	SFTP Composite Non-methane Organic Gases + Nitrogen Oxides
PM-COMP	SFTP Composite Particulate Matter	DT-IWRR	Drive Trace Inertia Work Ratio Rating
HC-NM	Non-methane Hydrocarbon	DT-ASCR	Drive Trace Absolute Speed Change Rating
OMHCE	Organic material Hydrocarbon Equivalent	DT-EER	Drive Trace Energy Economy Rating
OMNMHCE	Organic material non-methane HC equivalent	COMB-CREE	Combined Carbon-Related Exhaust Emissions
NMOG	Non-methane organic gases	COMB-OPT-CREE	Combined Optional Carbon-Related Exhaust Emissions
HCHO	Formaldehyde	HC-TOTAL-EQUIV	Total Hydrocarbon equivalent - Evap only
H3C2HO	Acetaldehyde	METHANE-COMB	Combined CH4 for HD 2b/3 vehicles only
HC-NM+NOX	SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03	N2O-COMB	Combined Nitrous Oxide for HD 2b/3 vehicles only
HC-NM+NOX-COMP	SFTP Composite Non-methane Hydrocarbon + Nitrogen Oxides	LEAK-DIA	Effective Leak Diameter (inches)
CO-COMP	SFTP Composite Carbon Monoxide	LEAK-GAS CAP	Gas Cap Leakage (cc/min)
ETHANOL	C2H5OH - Ethanol	CO2-COMB	Combined Carbon Dioxide for HD 2b/3 Vehicles Only
FE BAG 1	Bag 1 Fuel Economy	KW-HRS	Integrated DC KW-HRS
FE BAG 2	Bag 2 Fuel Economy	CH4 BAG 1	Bag 1 Methane
FE BAG 3	Bag 3 Fuel Economy	CH4 BAG 2	Bag 2 Methane
FE BAG 4	Bag 4 Fuel Economy	CH4 BAG 3	Bag 3 Methane
MFR FE	Manufacturer Fuel Economy	CH4 BAG 4	Bag 4 Methane
HC	Hydrocarbon for Running Loss and ORVR	CO BAG 1	Bag 1 Carbon Monoxide
METHANE	CH4 - Methane	CO BAG 2	Bag 2 Carbon Monoxide
METHANOL	CH3OH - Methanol	CO BAG 3	Bag 3 Carbon Monoxide
N2O	Nitrous Oxide	CO BAG 4	Bag 4 Carbon Monoxide
SPITBACK	Spitback Hydrocarbon in grams	NMOG BAG 1	Bag 1 Non-methane organic gases
AMP-HRS	Integrated Amp-hours	NMOG BAG 2	Bag 2 Non-methane organic gases
START-SOC	System Start State of Charge Watt-hours	NMOG BAG 3	Bag 3 Non-methane organic gases
END-SOC	System End State of Charge Watt-hours	NMOG BAG 4	Bag 4 Non-methane organic gases
ACT-DISTANCE	Actual Distance Driven (miles)		
<b>Certification Region</b>			

## Certification Summary Information Report

Test Group	VKMXT02.5MP3	Evaporative/Refueling Family	VKMXR0151MPG
CA	California + CAA Section 177 states	FA	Federal
<b>Exhaust Emission Standard Level</b>			
B1	Federal Tier 2 Bin 1	T3B160	Federal Tier 3 Bin 160
B2	Federal Tier 2 Bin 2	T3B125	Federal Tier 3 Bin 125
B3	Federal Tier 2 Bin 3	T3B110	Federal Tier 3 Transitional Bin 110
B4	Federal Tier 2 Bin 4	T3B85	Federal Tier 3 Transitional Bin 85
B5	Federal Tier 2 Bin 5	T3SULEV30	Federal Tier 3 Transitional LEV-II SULEV30 Carryover
B6	Federal Tier 2 Bin 6	T3B70	Federal Tier 3 Bin 70
B7	Federal Tier 2 Bin 7	T3B50	Federal Tier 3 Bin 50
B8	Federal Tier 2 Bin 8	T3B30	Federal Tier 3 Bin 30
B9	Federal Tier 2 Bin 9	T3B20	Federal Tier 3 Bin 20
B10	Federal Tier 2 Bin 10	T3B0	Federal Tier 3 Bin 0
B11	Federal Tier 2 Bin 11	HDV2B395	Federal Tier 3 HD Class 2b Transitional Bin 395
HDV1	HDV1 (Federal HD chassis Class 2b GVW 8501-10000)	HDV2B340	Federal Tier 3 HD Class 2b Transitional Bin 340
HDV2	HDV2 (Federal HD chassis Class 3 GVW 10001-14000)	HDV2B250	Federal Tier 3 HD Class 2b Bin 250
L2	California LEV-II LEV	HDV2B200	Federal Tier 3 HD Class 2b Bin 200
L2OP	California LEV-II LEV Optional	HDV2B170	Federal Tier 3 HD Class 2b Bin 170
U2	California LEV-II ULEV	HDV2B150	Federal Tier 3 HD Class 2b Bin 150
S2	California LEV-II SULEV	HDV2B0	Federal Tier 3 HD Class 2b Bin 0
ZEV	California ZEV	HDV3B630	Federal Tier 3 HD Class 3 Transitional Bin 630
OT	Other	HDV3B570	Federal Tier 3 HD Class 3 Transitional Bin 570
T1	Federal Tier 1	HDV3B400	Federal Tier 3 HD Class 3 Bin 400
PZEV	California PZEV	HDV3B270	Federal Tier 3 HD Class 3 Bin 270
L2LEV160	California LEV-II LEV160	HDV3B230	Federal Tier 3 HD Class 3 Bin 230
L2ULEV125	California LEV-II ULEV125	HDV3B200	Federal Tier 3 HD Class 3 Bin 200
L2SULEV30	California LEV-II SULEV30	HDV3B0	Federal Tier 3 HD Class 3 Bin 0
L2LEV395	California LEV-II LEV395	L4SULEV100	California LEV-IV SULEV100
L2ULEV340	California LEV-II ULEV340	L4SULEV125	California LEV-IV SULEV125
L2LEV630	California LEV-II LEV630	L4SULEV15	California LEV-IV SULEV15
L2ULEV570	California LEV-II ULEV570	L4SULEV150	California LEV-IV SULEV150
L3LEV160	California LEV-III LEV160	L4SULEV170	California LEV-IV SULEV170
L3ULEV125	California LEV-III ULEV125	L4SULEV175	California LEV-IV SULEV175
L3ULEV70	California LEV-III ULEV70	L4SULEV20	California LEV-IV SULEV20
L3ULEV50	California LEV-III ULEV50	L4SULEV200	California LEV-IV SULEV200
L3SULEV30	California LEV-III SULEV30	L4SULEV230	California LEV-IV SULEV230
L3SULEV20	California LEV-III SULEV20	L4SULEV25	California LEV-IV SULEV25
L3LEV395	California LEV-III LEV395	L4SULEV30	California LEV-IV SULEV30
L3ULEV340	California LEV-III ULEV340	L4SULEV75	California LEV-IV SULEV75
L3ULEV250	California LEV-III ULEV250	L4SULEV85	California LEV-IV SULEV85
L3ULEV200	California LEV-III ULEV200	L4ULEV125	California LEV-IV ULEV125

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## Certification Summary Information Report

Test Group	VKMXT02.5MP3	Evaporative/Refueling Family	VKMXR0151MPG
L3SULEV170	California LEV-III SULEV170	L4ULEV200	California LEV-IV ULEV200
L3SULEV150	California LEV-III SULEV150	L4ULEV250	California LEV-IV ULEV250
L3LEV630	California LEV-III LEV630	L4ULEV270	California LEV-IV ULEV270
L3ULEV570	California LEV-III ULEV570	L4ULEV40	California LEV-IV ULEV40
L3ULEV400	California LEV-III ULEV400	L4ULEV400	California LEV-IV ULEV400
L3ULEV270	California LEV-III ULEV270	L4ULEV50	California LEV-IV ULEV50
L3SULEV230	California LEV-III SULEV230	L4ULEV60	California LEV-IV ULEV60
L3SULEV200	California LEV-III SULEV200	L4ULEV70	California LEV-IV ULEV70
<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
F	2-Wheel Drive, Front	A	All Wheel Drive
R	2-Wheel Drive, Rear		
<b>Additional Terms and Acronyms</b>			
AFC	Alternative Fuel Converter	ICI	Independent Commercial Importer
CSI	Certificate Summary Information	ORVR	Onboard Refueling Vapor Recovery
DF	Deterioration Factor	SIL	Shift Indicator Light
Evap	Evaporation, Evaporative	Trans	Transmission

## 07.02 Litmus Result

### 2. LITMUS TEST SHEET

\* Reference : §600.115-11

Litmus Test of EDV					
EDV	FTP(75°F)	Cold FTP (20°F)	HFET	US06	SC03
BAG1	20.3	16.1	32.8	12.6	18.7
BAG2	21.5	19.3		23.2	
BAG3	22.9	22.7		<del>XX</del>	
TOTAL	21.6	<del>XX</del>		19.6	

(1) Determining the City FE Method

5 Cycle City Criteria (Specific 5 cycle City FE $\geq$ 0.96 Mpg Based City FE)	Passed
---	--------

	UNROUNDED	ADJ. ROUNDED	Examination	Decision	
CITY FE	MPG BASED	17.3012	16.6	Applicable	Selected
	5-CYCLE	17.2331	17.2	Applicable	
	Ratio of 5CYCLE to 0.96 MPG-BASED	103.61			CRITERIA : 100%

(2) Determining the Hwy FE Method

5 Cycle Highway Criteria (Specific 5 cycle HWY FE $\geq$ 0.95 Mpg Based HWY FE)	Failed
--	--------

	UNROUNDED	ADJ. ROUNDED	Examination	Decision	
HWY FE	MPG BASED	23.4426	22.3	Not Applicable	
	5-CYCLE	21.8898	21.9	Not Applicable	
	MODIFIED	21.8012	21.8	Select This	Selected
	Ratio of 5CYCLE to 0.95 MPG-BASED	98.21			CRITERIA : 100%

VKMXT02.5MP3 - Kia Telluride– Part 1

Issued : 09-25-2025

Revised:

## **08.00            Emission Compliance Statement**

Please refer to Common Section 08.00.

VKMXT02.5MP3 - Kia Telluride– Part 1  
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Revised:

## **09.00            OBD System Description**

The on-board diagnostic (OBD) system complies with 40 CFR 86.1806-05, 86.1806-17 per the compliance option allowing demonstration of compliance with California OBD II requirements in Title 13 California Code of Regulation 1968.2 (13 CCR 1968.2) approved on July 31, 2013.

Please refer to OBD application uploaded in EV-CIS system.

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Issued : 09-25-2025

Revised:

**10.00      Description of Alternate-Fueled Vehicles: Not Applicable**

VKMXT02.5MP3 - Kia Telluride— Part 1  
Issued : 09-25-2025  
Revised:

## 12.00 Description of Vehicles Covered by Certificate and Test Parameters

### 12.01 Vehicle Parameters

Carline	102	100	101		
Model Name	Telluride X-PRO	Telluride AWD	Telluride FWD		
Vehicle Classification	LDT3				
Emission Control System Description	Type, Number and Configuration of Catalyst(s)	See Sec. 02.02			
	EGR Type	N/A			
	Air Pump Type	N/A			
	Fuel System Type	DFI, SFI			
	Intake Air Aspiration Method	Turbocharger, Charge Air Cooler			
	Other	-			
Engine Code	G4KP-AC				
Number of Valves Per Cylinder	4				
Engine Displacement (L)	2.5				
Sales Area	50-State				
Transmission and Overdrive	SA8 (Overdrive)				
SIL	N/A				
Tire	255/60R18 (Continental)	265/45R21 (Pirelli,Kumho <sup>*1</sup> )	255/50R20 (Pirelli <sup>*1</sup> ,Kumho)	255/50R20 (Pirelli <sup>*1</sup> ,Kumho)	235/65R18 (Kumho)
N/V Ratios	26.2	25.9	26.2	26.2	26.2
ETW (lb)	5250	5000	5000	4750	4750
Elec. Dyno. Target Coefficient	A B C	Please refer to 12.02.01.			
Fuel Tank Volume (gal)	19.0				

<sup>\*1</sup> Tested tire

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## **12.02.02     Engine Starting Procedures**

Please refer to Common Section 12.02.02.

## **12.02.03     Shift Schedules**

Please refer to Common Section 12.02.03.01

## **12.02.04     Transmission / New Technology System Test Modes**

Please refer to Common Section 12.02.04.

## **13.00           Projected Sales**

Please refer to Common Section 13.00.

VKMXT02.5MP3 - Kia Telluride– Part 1  
Issued : 09-25-2025  
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## 14.00 Request for Certification



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

Subject: Request for Certificate of Conformity for 2027 Model Year Test Group VKMXT02.5MP3/  
Evaporative Family VKMXR0151MPG

Dear Ms. Kathryn Kochunas:

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

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Jihaeng Ji".

---

C. H. Ji  
General Manager  
Regulation & Certification Team2  
Kia Company

VKMXT02.5MP3 - Kia Telluride– Part 1  
Issued : 09-25-2025  
Revised:



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

Subject: Request for Executive Order for 2027 Model Year Test Group VKMXT02.5MP3/ Evaporative Family VKMXR0151MPG

Dear Ms. Robin U. Lang:

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

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

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

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

Sincerely,

---

C. H. Ji  
General Manager  
Regulation & Certification Team2  
Kia Company

VKMXT02.5MP3 - Kia Telluride– Part 1  
Issued : 09-25-2025  
Revised:

## 15.00 Other Information

### 15.01 Certification Fee Filing Form

EPA\_MVECP\_v1

#### US EPA Fee Form

[Help and EPA Instructions](#)

\* Required Field

##### General Information

**Date:** 08/27/2025

Process Code \*

Submit New Fee Filing Form

Manufacturer Code \*

KMX

Manufacturer Name \*

Kia

Contact Name \*

Jennifer Cherry

Contact Email Address \*

jcherry@hatci.com

Contact Phone \*

7343372259

Calendar Year complete application submitted  
to EPA \*

2025

**PLEASE NOTE: These fees apply to complete certification applications received by EPA from January 1, 2025, through December 31, 2025. The applicable fee is determined by the**

VKMXT02.5MP3 - Kia Telluride– Part 1  
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**calendar year in which the complete certification application is received, not the model year.**

Engine Family / Evaporative Family / Test Group \*

VKMXT02.5MP3

**Certificate Request Type (Industry Sector Code)**

Certificate Request Type \*

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

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

[REDACTED]

ICI VIN Number (Required for ICIs Only)

[REDACTED]

Do you qualify for a Reduced Fee? \*

No

**Payment Information**

VKMXT02.5MP3 - Kia Telluride— Part 1

Issued : 09-25-2025

Revised:

Amount Owed

\$32,939.00

Payment Type \*

Offline Wire

Comments

EPA Form Number 3520-29

OMB Control No. 2060-0545

Approval expires 7/31/2027

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

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

VKMXT02.5MP3 - Kia Telluride— Part 1  
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<b>KIA</b>	<b>KIA CORPORATION</b> <b>VEHICLE EMISSION CONTROL INFORMATION</b>	
Conforms to regulations :	2027 MY	
U.S.EPA : Interim T4B30 LDT	OBD : CA II Fuel : Gasoline	
California : LEV IV SULEV30 LDT	OBD : CA II Fuel : Gasoline	
No adjustments needed.	DFI, SFI, WR-HO2S, HO2S, WU-TWC, TWC, GPF, TC, CAC	
Group : VKMXT02.5MP3 Evap. : VKMXR0151MPG	<b>ALC</b>	32450-2S550
		

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## **15.03 ORVR Safety Statement**

Kia is using standard technology in all 2027MY vehicles ORVR systems. In accordance with EPA Guidance Letter CISD-06-06, ORVR applications will not be submitted.

## **15.04 New Technology System Description**

Please refer to Common Section 15.04.

## **15.05 Engine Oil Information**

Please refer to Common Section 15.05

## **16.00 California ARB Information**

### **16.01 Exhaust Emission Control System (Tune-up Label)**

Test Group Name	Model	Exhaust Emission Control System
VKMXT02.5MP3	Telluride X-PRO Telluride AWD Telluride FWD	DFI, SFI, WR-HO2S, HO2S, WU-TWC, TWC, GPF, TC, CAC, OBD-II

Note:	DFI	: Direct Fuel Injection
	SFI	: Sequential Multipoint(Electronic) Fuel Injection
	WR-HO2S	: Wide-Range Heated Oxygen Sensor
	HO2S	: Heated Oxygen Sensor
	WU-TWC	: Warm Up Three Way Catalyst System
	TWC	: Three Way Catalyst System
	GPF	: Gasoline Particulate Filter
	TC	: Turbo Charger
	CAC	: Charge Air Cooler
	OBD-II	: On-Board Diagnostics II

### **16.02 Test Procedures**

Please refer to Common Section 16.02.

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Revised:

**16.03.00      Fill Pipe Access Zones Statement and Specifications**

**16.03.01      Fill Pipe Access Zones Statement**

Please refer to Common Section 16.03.01.

**16.04.00 Request for Certificate**

Please refer to 14.00

**16.04.01 Statement of Compliance**

Please refer to Common Section 16.04.01.

**16.04.02 Supplemental Data Sheet**

Please refer to E-cert data

**16.05.00 Emission Testing Waiver Statement**

Please refer to Common Section 16.05.00.

**16.06.00 Projected Sales**

Please refer to Common Section 13.00.

**16.07.00 OBD-II System Description**

Please refer to section 09.00.

**16.08.00 New Technology System Description**

Please refer to Common Section 15.04.

**16.09.00 Environmental Performance Label**

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

## 16.10.00

## AECD General Statements

The vehicles contained in this test group are not equipped with a defeat device and are not equipped with alternative mapping strategies. Furthermore, all AECDs have been declared and described in the application.

As described in our application, the vehicle's transmission is not part of any AECD. However, the transmission gear is an input for the emissions control strategy, as described in that application. The ECU does not provide an output to the TCU to control emissions strategy.

When driving conditions on the road can be properly represented on the dynamometer, the transmission will perform in the same manner. However, there are some different driving conditions, such as an uphill or downhill grade, extreme heat or extreme cold conditions, heavy braking, and curved road driving conditions, which cannot be appropriately represented on the dynamometer. In these conditions where necessary to protect the transmission or to prevent an unnatural shift pattern, a different shift pattern may be executed. It is our understanding that this is commonly used throughout the industry.

The Hyundai-Kia American Technical Center and the Hyundai Motor Group Research and Development Center in Namyang, Korea have endeavored to respond based on our understanding of the regulatory definition of an AECD, the past certification reviews of AECDs conducted by ARB, existing guidance regarding AECDs issued by ARB, and, of course, EPA's and ARB's increased interest in this area. We will continue to monitor guidance issued by ARB regarding the level of information and detail desired in a certification application, and will continue to evaluate AECD issues to ensure transparency with respect to our vehicle and engine performance.

**16.11.00                    California warranty compliance**

Please refer to Common Section 16.11.00.

**16.12.00                    Description of the Propulsion System: Not Applicable**

**16.13.00                    ZEV Compliance: Not Applicable**

## **17.00.00      Service of Process**

Please refer to Common Section 01.00.