



## Application for Certification - Part 1

### Test Group (FOI)

- **Model Year:** 2027
- **Manufacturer Name:** Kia Corporation
- **Test Group:** VKMXV02.0NE3
- **Test Group Description:** 2.0 Liter / I4 SFI / Otto-cycle
- **Durability Group:** VKMXGPGNNE3
- **Durability Group Description:** Monolith, WU-TWC + TWC
- **Vehicle Class:** LDV
- **Applicable Standards:** FED: Interim Tier-4 Bin 30 / Tier-4 Evap  
CAL: LEV-IV SULEV 30 / LEV-IV Evap
- **Vehicle Tested:** EDV - SP3-U7N0MC168A / 0 (Exh.)  
CL4U6N0MC614F/0 (Evap.)  
FEDV – SP3-U7N0MC168A / 1  
SP3-U7N0MC170F / 0,1
- **Carlines Covered by Certificate:** Seltos AWD, Seltos FWD
- **EPA Response Requested by:** Feb 10, 2026
- **For Questions, Contact:** Stephanie Wright  
Tel: 734-273-1904  
E-mail: [swright@hatci.com](mailto:swright@hatci.com)

**TABLE OF CONTENTS**

Section	Contents	Application	
		Common	Test Group
01	Correspondence and Communications	x	
02	Durability Group Description		x
	202.01 List of Vehicles in Durability Groups	x	
	202.02 Catalyst Information		x
03	Evaporative/Refueling Family Description		x
	203.01 Evaporative/Refueling General Description	x	
	203.02 List of Vehicles in Evaporative Families	x	
04	Durability Test Procedure Description		
	204.01 Exhaust Durability Vehicle Test Data		x
	204.02 Evaporative/ORVR Durability Test Data		x
	204.03 Exhaust Durability Test Procedure	x	
	204.04 Evaporative Durability Test Procedure	x	
05	Test Group Description		x
06	Test Vehicle Description		x
07	Test Results		x
08	Emission Compliance Statement	x	
09	OBD System Description		x
	209.01 CARB Approval Letter		x
10	Description of Alternate-Fueled Vehicles		x
11	AECD Descriptions		x
12	Description of Vehicles Covered by Certificate and Test Parameters		
	212.01 Vehicle Parameters		x
	212.02 Test Parameters	x	x
13	Projected Sales	x	
14	Request for Certification		x
15	Other Information		
	215.01 Certification Fee Filing Form		x
	215.02 Vehicle Emission Control Information Label		x
	215.03 ORVR Safety Statement		x
	215.04 New Technology System Description	x	
	215.05 Engine Oil Information	x	
16	California ARB Information	x	x
17	Service of Process	x	
18	Attachment		x

## **01.00 Correspondence and Communications**

Please refer to Common Section 01.00.

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

## **02.00 Durability Group Description**

1. Durability group name : VKMXGPGNNNE3
2. Combustion cycle : Otto cycle / four stroke
3. Engine type : Piston / Water cooled
4. Fuel used : Gasoline
5. Basic fuel metering system : Sequential Multipoint Fuel 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. GPF (Gasoline Particulate Filter) : None

## **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: VKMXR0125NEG (26MY K4 2.0 C/O)

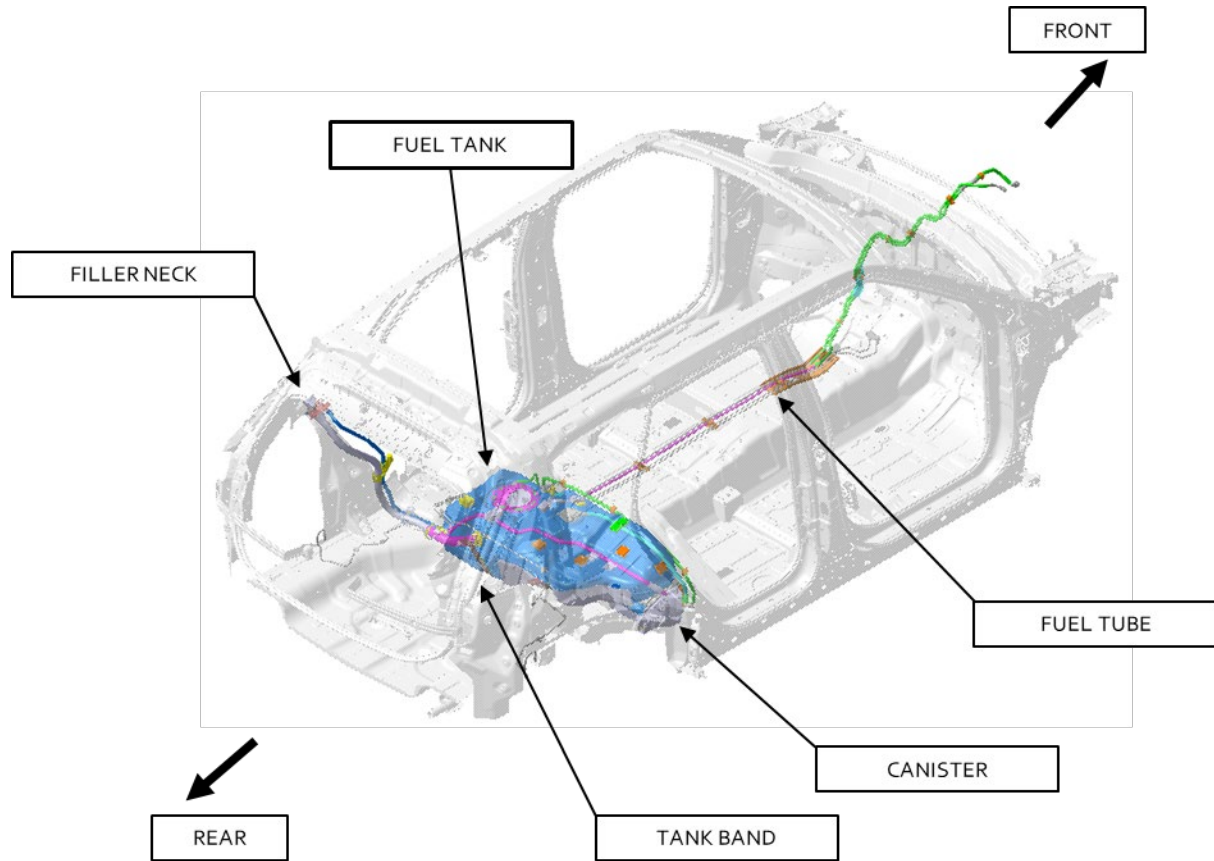
##### 03.00.01.01 Evaporative/Refueling Family Parameters

1. Type of vapor storage device: Canister (1EA), Air cleaner (1EA)
2. Basic canister design

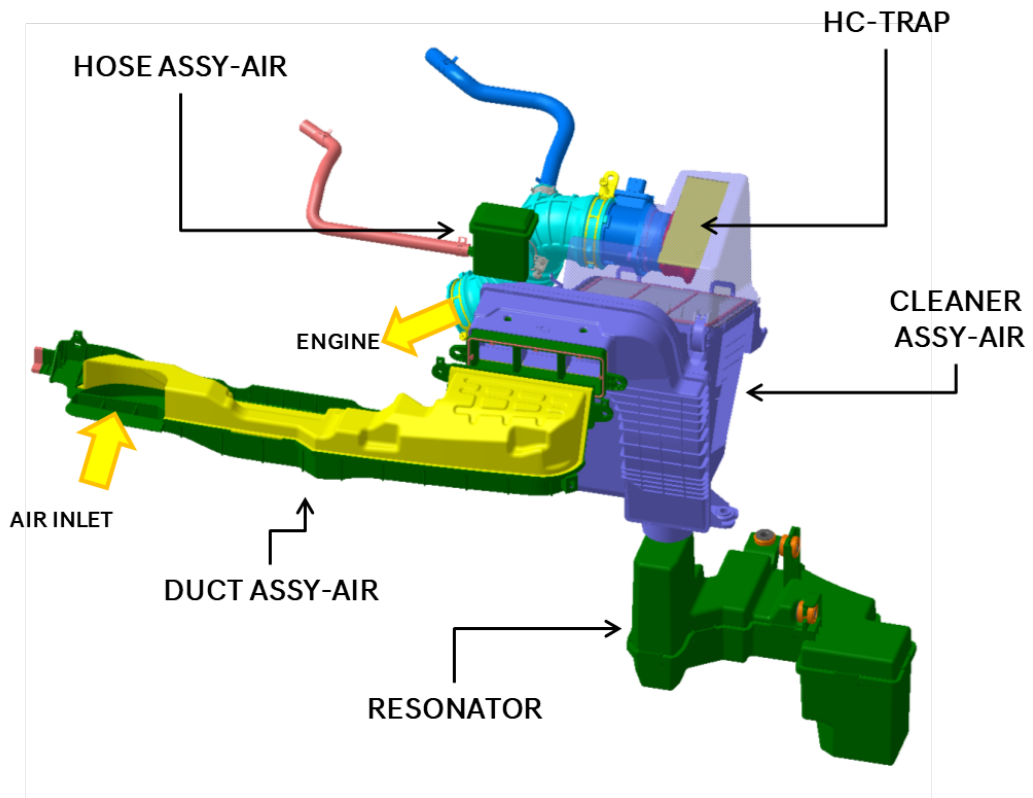
Evap. code	Absorption flow rate (g/hr)	Nominal working capacity(g)	Size (cc)	Material	Medium	Nominal fuel tank capacity (gal)
125NEG	15	125	2050	Plastic	Activated carbon	13.2

3. Fuel system: Returnless fuel system
4. Type of refueling emission control system: Integrated type
5. Fillpipe seal mechanism: Liquid seal type
6. Vapor control system or method of vapor line to the canister:
  - a. Fill Limit Vent Valve (ORVR)
  - b. Overfill limiter (2way valve)
  - c. Canister close valve
7. Purge control system
  - a. Type of valve: Duty
  - b. Purge control strategy: Controlled by ECU
  - c. High load purge system : No
  - d. Active purge system : No
8. Vapor hose material: Rubber
9. Fuel tank material: Plastic
10. HC-Trap
  - a. Canister Storage Medium: Carbon
  - b. Working capacity: 0.8g

### 03.00.01.02 Evaporative/Refueling Schematic



### 03.00.01.03 HC-Trap Schematic



### **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 : VKMXV02.0NE3  
Engine displacement (L) covered : 2.0L  
Arrangement/number of cylinders : I4  
Vehicle class(s) covered : LDV  
Sales location/emission standard : FED: Interim Tier-4 Bin 30  
CAL: LEV-IV SULEV 30  
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.

#### TestVehicleInformationSubmission

##### TestVehicleInformationDetails

**InformationProcessCode :** N  
**EPAManufacturerCode :** KMX  
**VehicleIdentificationText :** KNAEL813ER1P98101  
**VehicleConfigurationNumber :** 0

##### VehicleConfigurationDetails

##### VehicleDescriptionDetails

**ManufacturerVehicleConfigurationNumber :** 0  
**TestGroupName :** VKMXV02.0NE3  
**EvaporativeRefuelingFamilyName :** VKMXR0125NEG  
**LeakFamilyIdentifier :** SP3  
**LeakFamilyName :** VKMXR0125NEG-SP3  
**ModelYear :** 2027  
**ActualTestVehicleMakeText :** KIA  
**ActualTestVehicleModelText :** Seltos

##### DriveSourceDetails

**DriveSourceIdentifier :** C  
**FuelIdentifier :** G

**TestDriveCode :** F  
**ShiftIndicatorLightUsageIdentifier :** 1  
**AgedComponentUsageIdentifier :** 4

##### OdometerCorrectionDetails

**CorrectionInitialValue :** 0  
**CorrectionFactorValue :** 1.0070  
**CorrectionSignIdentifier :** +  
**CorrectionUnitsCode :** M

**EngineCodeText :** G4NS-CV  
**EngineRatedHorsepowerValue :** 147  
**EngineDisplacementValue :** 2.0

##### AirAspirationDetails

**AirAspirationMethodIdentifier :** NA

VKMXV02.0NE3 - Kia Seltos 2.0L - Part 1  
Issued : 01-26-2026  
Revised:

#### VehicleSpecificationsDetails

**CurbWeightValue** : 3428  
**EquivalentTestWeightValue** : 3750  
**GrossVehicleWeightRatingValue** : 4542  
**NVRatioValue** : 31.7  
**AxleRatioValue** : 6.48

#### TransmissionSpecificationsDetails

**LightDutyTransmissionTypeIdentifier** : SCV  
**TransmissionLockupIndicator** : Y  
**TransmissionCreeperGearIndicator** : N  
**TransmissionGearCount** : 1

#### TargetSetCoefficientDetails

**TestProcedureDynamometerCoefficientsCategory** : US06  
**TargetCoefficientAValue** : 34.729  
**TargetCoefficientBValue** : 0.00188  
**TargetCoefficientCValue** : 0.025896  
**SetCoefficientAValue** : 9.957  
**SetCoefficientBValue** : 0.13413  
**SetCoefficientCValue** : 0.023165

#### TargetSetCoefficientDetails

**TestProcedureDynamometerCoefficientsCategory** : C-H-E  
**TargetCoefficientAValue** : 34.729  
**TargetCoefficientBValue** : 0.00188  
**TargetCoefficientCValue** : 0.025896  
**SetCoefficientAValue** : 9.957  
**SetCoefficientBValue** : 0.13413  
**SetCoefficientCValue** : 0.023165

#### TargetSetCoefficientDetails

**TestProcedureDynamometerCoefficientsCategory** : Cold-CO  
**TargetCoefficientAValue** : 38.202  
**TargetCoefficientBValue** : 0.00207  
**TargetCoefficientCValue** : 0.028486  
**SetCoefficientAValue** : 6.320  
**SetCoefficientBValue** : 0.12639  
**SetCoefficientCValue** : 0.025619

**ManufacturerCommentText** : 27MY SP3 2.0 AWD CVT 18inch - DDV

#### EPAGeneratedTestVehicleDetails

**OriginalReceiptDate** : 20251216  
**HybridVehicleIndicator** : N  
**AdjustedLoadedVehicleWeightValue** : 3985  
**LoadedVehicleWeightValue** : 3728  
**TotalRoadLoadHorsepowerValue** : 13.3

#### TransactionStatusDetails

**TransactionStatusIdentifier** : ACCEPTED

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

Please refer to CSI report in 07.00

**07.00 Test Results**

**07.01.01 EV-CIS Certification Summary Information**

Certification Summary Information Report submitted to EV-CIS.

See 18.00.00.

## 07.02 Litmus Test Sheet

Litmus Test of EDV

EDV	FTP(75°F)	Cold FTP (20°F)	HFET	US06	SC03
BAG1	30.4	25.1	46.2	17.3	24.6
BAG2	31.3	28.8		31.3	
BAG3	34.6	31.9		X	
TOTAL	32.0	X		26.6	

### (1) Determining the City FE Method

5 Cycle City Criteria (Specific 5 cycle City FE ≥ 0.96 Mpg Based City FE)	<b>Passed</b>
--	---------------

		UNROUNDED	ADJ. ROUNDED	Examination	Decision
CITY FE	<b>MPG BASED</b>	24.7868	23.8	Applicable	Selected
	5-CYCLE	24.8333	24.8	Applicable	Selected
	Ratio of 5CYCLE to 0.96 MPG-BASED		104.20		

CRITERIA : 100%

### (2) Determining the Hwy FE Method

5 Cycle Highway Criteria (Specific 5 cycle HWY FE ≥ 0.95 Mpg Based HWY FE)	<b>Failed</b>
---	---------------

		UNROUNDED	ADJ. ROUNDED	Examination	Decision
HWY FE	MPG BASED	32.0405	30.4	Not Applicable	Selected
	5-CYCLE	29.5525	29.6	Not Applicable	Selected
	<b>MODIFIED</b>	29.5363	29.5	Select This	Selected
	Ratio of 5CYCLE to 0.95 MPG-BASED		97.37		

CRITERIA : 100%

## **08.00 Emission Compliance Statement**

Please refer to Common Section 08.00.

## **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.

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

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

### 12.01 Vehicle Parameters

Carline		800		801	
Model name		Seltos AWD		Seltos FWD	
Vehicle classification		LDV		LDV	
Emission control system description	Type, number and configuration of catalyst(s)	See Sec. 02.02			
	EGR Type	Electronic/Electric			
	Air pump type	N/A			
	Fuel system type	SFI			
	Intake air aspiration method	Naturally Aspirated			
	Other	-			
Engine code		G4NS-CV			
Number of valves per cylinder		4			
Engine displacement (L)		2.0			
Sales area		50-State			
Transmission and overdrive		SCV			
SIL		N/A			
Tire size		215/55R18 (KUMHO)	205/65R16 (NEXEN)	215/55R18 (KUMHO)	205/65R16 (NEXEN)
N/V ratios		31.7	32.7	31.7	32.7
ETW(lb)		3750	3625	3500	3375
Elec. dyno. target coefficient	A	Please refer to 12.02.01.			
	B				
	C				
Fuel tank volume(gal)		13.2			

## **12.02.02 Engine Starting Procedures**

Please refer to Common Section 12.02.02.

## **12.02.03 Shift Schedules**

Automatic transmission: Please refer to Common Section 12.02.03.01

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

Please refer to Common Section 12.02.04

## **13.00          Projected Sales**

Please refer to Common Section 13.00.

**14.00 Request for Certification**



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

Subject: Request for Certificate of Conformity for 2027 Model Year Test Group VKMXV02.0NE3 /  
Evaporative Family VKMXR0125NEG

Dear Ms. Kathryn Kochunas:

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

All vehicles within the 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 the 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@haci.com](mailto:swright@haci.com) or (734) 273-1904.

Sincerely,

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

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



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

Subject: Request for an Executive Order for 2027 Model Year Test Group VKMXV02.0NE3  
/ Evaporative Family VKMXR0125NEG

Dear Ms. Robin U. Lang:

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

All vehicles within the 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 the 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./LIMO) Subject: Certification Application Reporting Guidance, dated November 24, 2014.

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

Sincerely,

---


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

VKMXV02.0NE3 - Kia Seltos 2.0L - Part 1  
Issued : 01-26-2026  
Revised:

**15.00 Other Information**

**15.01 Certification Fee Filing Form**

**15.02 Vehicle Emission Control Information (VECI) Label**

	KIA CORPORATION VEHICLE EMISSION CONTROL INFORMATION	
Conforms to regulations :		2027 MY
U.S.EPA : Interim T4B30 LDV	OBD : CA II	Fuel : Gasoline
California : LEV IV SULEV30 PC	OBD : CA II	Fuel : Gasoline
No adjustments needed.	SFI, WR-HO2S, HO2S, WU-TWC, TWC, EGR, EGRC	
Group : VKMXV02.0NE3 Evap. : VKMXR0125NEG	<b>ALC</b>	32450-2ESP0

### **15.03 ORVR Safety Statement**

Kia uses standard technology in all ORVR systems for 2027MY vehicles. 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
VKMXV02.0NE3	Seltos AWD /FWD	SFI, WR-HO2S, HO2S, WU-TWC, TWC, EGR, EGRC, OBD II

Note:

SFI	: Sequential multiport 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
EGR	: Exhaust Gas Recirculation
EGRC	: Exhaust Gas Recirculation Cooler
OBD II	: On-board diagnostics II

### 16.02 Test Procedures

Please refer to Common Section 16.02

**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.

**18.00.00 Attachment**

1. CSI Report



## Certification Summary Information Report

<b>Test Group</b>	VKMXV02.0NE3	<b>Evaporative/Refueling Family</b>	VKMXR0125NEG				
<b>Evaporative/Refueling Family Information</b>							
<b>Evaporative Summary Information Type</b>	New	<b>Submission/Correction Date</b>	12/09/2025 06:34:15 PM				
<b>Integrated ORVR?</b>	Yes	<b>Fuel(s)</b>	Gasoline				
<b>Multiple Fuel Storage</b>	--						
<b>Bladder Fuel Tank?</b>	No						
<b>Fuel Tank Material</b>	Plastic	<b>Fuel Tank Material Description</b>	HDPE				
<b>Fill Pipe Seal Type</b>	Liquid seal						
<b>Air Intake System Vapor Storage Device?</b>	Yes	<b>Air Intake System Vapor Storage Device Description</b>	HC-TRAP				
<b>Fuel System Vapor Storage Canister?</b>	Yes	<b>Other Vapor Storage</b>	--				
<b>Fuel System Vapor Storage Canister(s) Total Working Capacity (grams)</b>	125	<b>Number of Primary Canisters</b>	1				
<b>Number of Bleed Canisters</b>	0	<b>Bleed Canister Total Working Capacity (grams)</b>	--				
<b>Mfr Evaporative/Refueling Family Comments</b>	--						
<b>Leak Family Details</b>							
<b>Leak Family Indicator</b>	Yes						
<b>Canister Bleed Test Indicator</b>	Yes	<b>Applicability of Evaporative Canister Bleed Test</b>	50 State				
<b>Evaporative Canister Bleed Test Comments</b>	--						
<b>CARB Fuel Only (Rig) Test Indicator</b>	No	<b>Applicability of CARB Fuel Only (Rig) Test</b>	--				
<b>CARB Fuel Only (Rig) Test Comments</b>	--						
<b>Leak Family Name</b>	<b>Applicability of Leak Family Requirements</b>	<b>Leak Family Standard (inches)</b>	<b>Leak Family Description</b>				
VKMXR0125NEG-SP2	50 State	0.02	--				
<b>Models Covered by this Certificate</b>							
<b>Carline Manufacturer</b>	<b>Division</b>	<b>Carline</b>	<b>Certification Region Code(s)</b>	<b>Drive System</b>	<b>Trans - Type</b>	<b>- # of Gears</b>	<b>Trans - Lockup</b>
Kia Corporation	1 - KIA	800 - Seltos AWD	California + CAA Section 177 states	All Wheel Drive	Selectable Continuously Variable (e.g. CVT with paddles)	1	Yes
Kia Corporation	1 - KIA	801 - Seltos FWD	Federal	2-Wheel Drive, Front	Selectable Continuously Variable (e.g. CVT with paddles)	1	Yes
Kia Corporation	1 - KIA	800 - Seltos AWD	Federal	All Wheel Drive	Selectable Continuously Variable (e.g. CVT with paddles)	1	Yes
Kia Corporation	1 - KIA	801 - Seltos FWD	California + CAA Section 177 states	2-Wheel Drive, Front	Selectable Continuously Variable (e.g. CVT with paddles)	1	Yes

## Certification Summary Information Report

<b>Test Group</b>	VKMXV02.0NE3	<b>Evaporative/Refueling Family</b>	VKMXR0125NEG	
<b>Engine Description</b>				
<b>Hybrid Type</b>	--	<b>Hybrid Description</b>	--	
<b>Engine Type</b>	4-Stroke Spark Ignition	<b>Mfr Engine Description</b>	--	
<b>Engine Block Arrangement</b>	Inline	<b>Mfr Engine Block Arrangement Description</b>	--	
<b>Camless Valvetrain Indicator</b>	No	<b>Oil Viscosity/Classification</b>	SAE 0W-20	
<b>Number of Cylinders/Rotors</b>	4	<b>Mechanically Variable Compression Ratio Indicator</b>	N	
<b>After Treatment Device(s) (ATD)</b>				
<b>ATD Number</b>	<b>ATD Type</b>	<b>ATD Precious Metal</b>	<b>Substrate Material</b>	<b>Substrate Construction</b>
1	Three-way catalyst	Palladium + Rhodium	Ceramic	Monolith
2	Three-way catalyst	Platinum + Rhodium	Ceramic	Monolith
<b>Mfr After Treatment Device (ATD) Comments</b>				
--				
<b>Direct Ozone Reduction (DOR) Device</b>				
Not Equipped				
<b>Mfr Emission Control Device Comments</b>				
--				
<b>Engine Configuration Number 1</b>				
<b>Engine Displacement (liters)</b>	2.0	<b>Engine Rated Horsepower</b>	147	
<b>Number of Inlet Valves Per Cylinder</b>	2	<b>Number of Exhaust Valves Per Cylinder</b>	2	
<b>Air Aspiration Method</b>	Naturally Aspirated	<b>Number of Air Aspiration Devices</b>	--	
<b>Air Aspiration Device Configuration</b>	--	<b>Charge Air Cooler Type</b>	--	
<b>Air Aspiration Drive Method(s)</b>	Mechanical			
<b>Cylinder Deactivation</b>	No			
<b>Cylinder Deactivation Description</b>	--			
<b>Variable Valve Timing</b>	Yes			
<b>Variable Valve Timing System Description</b>	Fixed3(More than two or continuous)			
<b>Variable Valve Lift?</b>	No			
<b>Variable Valve Lift System Description</b>	--			
<b>Number of Knock Sensors</b>	1	<b>Number of Air/Fuel Sensors</b>	2	
<b>Air/Fuel Sensor # 1 Type</b>	Other	<b>Air/Fuel Sensor # 1 Description</b>	WR-HO2S	
<b>Air/Fuel Sensor # 2 Type</b>	Heated oxygen	<b>Air/Fuel Sensor # 2 Description</b>	--	
<b>Mfr Air/Fuel Sensor Comments</b>	--			
<b>Exhaust Gas Recirculation</b>	Yes	<b>Cooled Exhaust Gas Recirculation</b>	Yes	
<b>EGR Type</b>	Electronic/Electric	<b>Exhaust Gas Recirculation Description if 'Other'</b>	--	
<b>Closed Loop Air Injection System</b>	No			
<b>Air Injection Type</b>	Not Applicable	<b>Air Injection Type if 'Other'</b>	--	
<b>Mfr Engine Configuration Comments</b>	--			

### Certification Summary Information Report

<b>Test Group</b>		VKMXV02.0NE3				<b>Evaporative/Refueling Family</b>			VKMXR0125NEG		
<b>Official Test Numbers</b>											
<b>Test Group Fuel</b>	<b>FTP</b>	<b>US06</b>	<b>SC03</b>	<b>Cold CO</b>	<b>Highway</b>	<b>EPA City Litmus Value</b>	<b>EPA City Litmus Threshold</b>	<b>EPA Highway Litmus Value</b>	<b>EPA Highway Litmus Threshold</b>	<b>CREE Weighting Factor</b>	
Gasoline	VKMX10093088	VKMX10092411	VKMX10093090	VKMX10092416	VKMX10093089	24.9	23.9	29.6	30.6	--	
<b>SFTP LEV-III Official Test Numbers</b>											
<b>Test Group Fuel</b>	<b>FTP</b>		<b>US06</b>			<b>SC03</b>					
Gasoline	VKMX10093088		VKMX10092411			VKMX10093090					

### Certification Summary Information Report

<b>Test Group</b>	VKMXV02.0NE3	<b>Evaporative/Refueling Family</b>	VKMXR0125NEG
-------------------	--------------	-------------------------------------	--------------

**Emission Data Vehicle Information**

Vehicle ID / Configuration	CL4U6N0MC614F / 0	Manufacturer Vehicle Configuration Number	0
Original Test Group Name	TKMXV02.0CE3	Original Evaporative/Refueling Family	TKMXR0130CEG
Original Test Vehicle Model Year	2026		

**Vehicle Model**

Represented Test Vehicle Make	KIA	Represented Test Vehicle Model	K4
-------------------------------	-----	--------------------------------	----

**Leak Family Details**

Leak Family Identifier	CL4	Leak Family Name	TKMXR0130CEG-CL4
------------------------	-----	------------------	------------------

**Drive Sources and Fuel System Details**

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

Hybrid Indicator	No	Multiple Fuel Combustion	--
Multiple Fuel Storage	--	Rechargeable Energy Storage System Indicator	--
Fuel Cell Indicator	--	Rechargeable Energy Storage System, if 'Other'	--
Rechargeable Energy Storage System	--		
Off-board charge Capable Indicator	--		
Odometer Correction -- Initial	0	Odometer Correction Factor	0.9973
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles		
Odometer Correction Units	Miles		
Engine Code	G4NS-CV	Rated Horsepower	147
Displacement (liters)	2	Air Aspiration Method, if 'Other'	
Air Aspiration Method	Naturally Aspirated	Air Aspiration Device Configuration	--
Number of Air Aspiration Devices	--	Drive Mode While Testing	2-Wheel Drive, Front
Charge Air Cooler Type	--	Aged Emission Components	4,000 (mi)
Shift Indicator Light Usage	Not equipped	Equivalent Test Weight (pounds)	3500
Curb Weight (lbs)	3228	N/V Ratio	27
GVWR (lbs)	4145		
Axle Ratio	5.15		
Transmission Type	Selectable Continuously Variable (e.g. CVT with paddles)	# of Transmission Gears	1
Transmission Lockup	Yes	Creep Gear	No

**Dynamometer Coefficients:**

Coefficient Category	Target Coefficients			Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients
	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	
City/Highway/Evap	34.378	-0.2056	0.023979	15.378	-0.13443	0.022119	11.2

### Certification Summary Information Report

<b>Test Group</b>	VKMXV02.0NE3	<b>Evaporative/Refueling Family</b>	VKMXR0125NEG
-------------------	--------------	-------------------------------------	--------------

**Emission Control Device Comments** --  
**Manufacturer Test Vehicle Comments** 26MY CL4 2.0 5DR 18in (EVAP EDV, ETW 3500)

<b>Test #</b>	<b>TKMX10091119</b>	<b>Test Procedure</b>	<b>27 - California fuel 2-day evap</b>
<b>Exhaust Test # for this Evap Test</b>	TKMX10091117	<b>Test Fuel Type</b>	51 - CARB LEV4 E10 Regular Gasoline
<b>Test Date</b>	03/11/2025	<b>Fuel</b>	Gasoline
<b>Fuel Batch ID</b>	24E-01	<b>Fuel Calibration Number</b>	1
<b>Vehicle Class</b>	N/A	<b>DF Type</b>	Mfr. Determined
<b>Verify Test Lab ID</b>	772-1, Jangduck-Dong		
<b>E10 Evaporative Test Measurement Method</b>	Calculated (1.08 x FID Total Hydrocarbons)		
<b>Test Start Odometer Reading</b>	4135	<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>	No

**Test Results**

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
<b>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</b>	0.2331	--

**Manufacturer Test Comments** 26MY CL4 2.0 5DR 18in 2DBL

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	0.2331	0	0.233	0.300	Pass
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.2331	0	0.233	0.300	Pass

### Certification Summary Information Report

<b>Test Group</b>	VKMXV02.0NE3	<b>Evaporative/Refueling Family</b>	VKMXR0125NEG
-------------------	--------------	-------------------------------------	--------------

<b>Test #</b>	<b>TKMX10091124</b>	<b>Test Procedure</b>	<b>38 - CA fuel 3-day evap.</b>
<b>Exhaust Test # for this Evap Test</b>	TKMX10091128	<b>Test Fuel Type</b>	51 - CARB LEV4 E10 Regular Gasoline
<b>Test Date</b>	05/15/2025	<b>Fuel</b>	Gasoline
<b>Fuel Batch ID</b>	24E-01	<b>Fuel Calibration Number</b>	1
<b>Vehicle Class</b>	N/A	<b>DF Type</b>	Mfr. Determined
<b>Verify Test Lab ID</b>	772-1, Jangduck-Dong		
<b>E10 Evaporative Test Measurement Method</b>	Calculated (1.08 x FID Total Hydrocarbons)		
<b>Test Start Odometer Reading</b>	4326	<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>	No

**Test Results**

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
<b>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</b>	0.2554	--

**Manufacturer Test Comments**                      26MY CL4 2.0 5DR 18in 3DBL Associated Exhaust Test NO. is corrected.

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	0.2554	0	0.255	0.300	Pass
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.2554	0	0.255	0.300	Pass

### Certification Summary Information Report

<b>Test Group</b>	VKMXV02.0NE3	<b>Evaporative/Refueling Family</b>	VKMXR0125NEG
<b>Test #</b>	<b>TKMX10091120</b>	<b>Test Procedure</b>	<b>24 - Federal fuel refueling test (ORVR)</b>
<b>Exhaust Test # for this Evap Test</b>	TKMX10091118	<b>Test Fuel Type</b>	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
<b>Test Date</b>	03/26/2025	<b>Fuel</b>	Gasoline
<b>Fuel Batch ID</b>	25T-01	<b>Fuel Calibration Number</b>	1
<b>Vehicle Class</b>	N/A	<b>DF Type</b>	Mfr. Determined
<b>Verify Test Lab ID</b>	772-1, Jangduck-Dong		
<b>E10 Evaporative Test Measurement Method</b>	Calculated (1.08 x FID Total Hydrocarbons)		
<b>Test Start Odometer Reading</b>	4153	<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>	No

**Test Results**

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
<b>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</b>	0.0016	--

**Manufacturer Test Comments**                      26MY CL4 2.0 5DR 18in 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	0.002	0.002	0.00	0.20	Pass
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.002	0.002	0.00	0.20	Pass

### Certification Summary Information Report

<b>Test Group</b>	VKMXV02.0NE3	<b>Evaporative/Refueling Family</b>	VKMXR0125NEG
-------------------	--------------	-------------------------------------	--------------

<b>Test #</b>	<b>TKMX10091129</b>	<b>Test Procedure</b>	<b>37 - California Fuel Running Loss</b>
<b>Exhaust Test # for this Evap Test</b>	TKMX10091128	<b>Test Fuel Type</b>	51 - CARB LEV4 E10 Regular Gasoline
<b>Test Date</b>	05/15/2025	<b>Fuel</b>	Gasoline
<b>Fuel Batch ID</b>	24E-01	<b>Fuel Calibration Number</b>	1
<b>Vehicle Class</b>	N/A	<b>DF Type</b>	Mfr. Determined
<b>Verify Test Lab ID</b>	772-1, Jangduck-Dong		
<b>E10 Evaporative Test Measurement Method</b>	Calculated (1.08 x FID Total Hydrocarbons)		
<b>Test Start Odometer Reading</b>	4309	<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>	No

**Test Results**

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
<b>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</b>	0.0002	--

**Manufacturer Test Comments**                      26MY CL4 2.0 5DR 18in 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	0.01	Pass

### Certification Summary Information Report

<b>Test Group</b>	VKMXV02.0NE3	<b>Evaporative/Refueling Family</b>	VKMXR0125NEG
<b>Test #</b>	<b>TKMX10091121</b>	<b>Test Procedure</b>	<b>65 - Evap Canister Bleed Test</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	51 - CARB LEV4 E10 Regular Gasoline
<b>Test Date</b>	03/19/2025	<b>Fuel</b>	Gasoline
<b>Fuel Batch ID</b>	24E-01	<b>Fuel Calibration Number</b>	1
<b>Vehicle Class</b>	N/A	<b>DF Type</b>	Mfr. Determined
<b>Verify Test Lab ID</b>	772-1, Jangduck-Dong		
<b>E10 Evaporative Test Measurement Method</b>	Calculated (1.08 x FID Total Hydrocarbons)		
<b>Test Start Odometer Reading</b>	4153	<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>	No

**Test Results**

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
<b>HC-TOTAL (Total Hydrocarbon)</b>	0.0024	--

**Manufacturer Test Comments**                      26MY CL4 2.0 5DR 18in Bleed

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	0.0024	0	0.002	0.020	Pass
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL	0.0024	0	0.002	0.020	Pass

### Certification Summary Information Report

<b>Test Group</b>	VKMXV02.0NE3	<b>Evaporative/Refueling Family</b>	VKMXR0125NEG
-------------------	--------------	-------------------------------------	--------------

<b>Test #</b>	<b>TKMX10091122</b>	<b>Test Procedure</b>	<b>67 - Leak Test - Port Near Canister</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
<b>Test Date</b>	03/07/2025	<b>Fuel</b>	Gasoline
<b>Fuel Batch ID</b>	25T-01	<b>Fuel Calibration Number</b>	1
<b>Vehicle Class</b>	N/A	<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>	4089	<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>	No

**Test Results**

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value
LEAK-DIA (Effective Leak Diameter (inches))	0	--

**Manufacturer Test Comments**                      26MY CL4 2.0 5DR 18in Leak Test Port Near Canister

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

<b>Test Group</b>	VKMXV02.0NE3	<b>Evaporative/Refueling Family</b>	VKMXR0125NEG
<b>Test #</b>	<b>TKMX10091123</b>	<b>Test Procedure</b>	<b>68 - Leak Test - Port Near Fuel Pipe</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
<b>Test Date</b>	03/07/2025	<b>Fuel</b>	Gasoline
<b>Fuel Batch ID</b>	25T-01	<b>Fuel Calibration Number</b>	1
<b>Vehicle Class</b>	N/A	<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>	4089	<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>	No

**Test Results**

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value
LEAK-DIA (Effective Leak Diameter (inches))	0	--

**Manufacturer Test Comments**                      26MY CL4 2.0 5DR 18in Leak Test Port Near Fuel pipe

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		VKMXV02.0NE3			Evaporative/Refueling Family			VKMXR0125NEG
<b>Dynamometer Coefficients:</b>								
		Target Coefficients			Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)		
City/Highway/Evap	34.729	0.00188	0.025896	9.957	0.13413	0.023165	13.3	
Cold CO	38.202	0.00207	0.028486	6.32	0.12639	0.025619	N/A	
US06	34.729	0.00188	0.025896	9.957	0.13413	0.023165	N/A	
Emission Control Device Comments	--							
Manufacturer Test Vehicle Comments	27MY SP3 2.0 AWD CVT 18inch							

## Certification Summary Information Report

<b>Test Group</b>	VKMXV02.0NE3	<b>Evaporative/Refueling Family</b>	VKMXR0125NEG
<b>Test #</b>	<b>VKMX10092349</b>	<b>Test Procedure</b>	<b>21 - Federal fuel 2-day exhaust (w/can load)</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	61 - Tier 2 Cert Gasoline
<b>Test Date</b>	09/12/2025	<b>Fuel</b>	Gasoline
<b>Fuel Batch ID</b>	25M-02	<b>Fuel Calibration Number</b>	1
<b>Vehicle Class</b>	LDV/Passenger Car	<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>	4255	<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

## Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
CO2 BAG 1 (Bag 1 Carbon Dioxide)	279.5371	--
FE BAG 1 (Bag 1 Fuel Economy)	31.5028	31.5028
CO2 BAG 2 (Bag 2 Carbon Dioxide)	270.11	--
FE BAG 2 (Bag 2 Fuel Economy)	32.7848	32.7848
CO2 BAG 3 (Bag 3 Carbon Dioxide)	247.401	--
FE BAG 3 (Bag 3 Fuel Economy)	35.8144	35.8144
METHANE (CH4 - Methane)	0.0006	--
CO (Carbon Monoxide)	0.2862	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.79	--
DT-EER (Drive Trace Energy Economy Rating)	-0.51	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.05	--
MFR FE (Manufacturer Fuel Economy)	33.246	33.246
NOX (Nitrogen Oxide)	0.0032	--
N2O (Nitrous Oxide)	0.0001	--
HC-NM (Non-methane Hydrocarbon)	0.0043	--
NMOG (Non-methane organic gases)	0.0045	--
HC-TOTAL (Total Hydrocarbon)	0.0049	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	266.4714	266

### Certification Summary Information Report

<b>Test Group</b>	VKMXV02.0NE3	<b>Evaporative/Refueling Family</b>	VKMXR0125NEG
-------------------	--------------	-------------------------------------	--------------

<b>Test Result Name</b>	<b>Unrounded Test Result</b>	<b>Verify Calculated CO2</b>
Carbon dioxide	265.8297	--

**Manufacturer Test Comments**                      27MY SP3 2.0 AWD 18in ETW 3750 (FEDV) E0-FTP

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	120,000 miles	Federal Tier 3 Bin 30	CREE	266	--	--	--	0.059262	--	266	--	--
Fed	120,000 miles	Federal Tier 3 Bin 30	METHANE	0.0006	--	--	--	0.0004	--	0.001	0.030	Pass
Fed	120,000 miles	Federal Tier 3 Bin 30	N2O	0.0001	--	--	--	0.0002	--	0.000	0.010	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	CO	0.29	--	--	--	0.10	--	0.4	1.0	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0045	--	1.10	--	0.0028	--	0.007	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX	0.0077	--	--	--	--	--	0.012	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0032	--	--	--	0.0019	--	0.005	99.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	CO	0.29	--	--	--	0.10	--	0.4	1.0	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG	0.0045	--	1.10	--	0.0028	--	0.007	99.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0077	--	--	--	--	--	0.012	0.030	Pass
CA	150,000 miles	California LEV-IV SULEV30	NOX	0.0032	--	--	--	0.0019	--	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**

<b>Test Group</b>	VKMXV02.0NE3	<b>Evaporative/Refueling Family</b>	VKMXR0125NEG
<b>Test #</b>	<b>VKMX10092414</b>	<b>Test Procedure</b>	<b>52 - Fed. fuel 50 F exh.</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
<b>Test Date</b>	09/06/2025	<b>Fuel</b>	Gasoline
<b>Fuel Batch ID</b>	25T-03	<b>Fuel Calibration Number</b>	1
<b>Vehicle Class</b>	LDV/Passenger Car	<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>	4149	<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

**Test Results**

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
METHANE (CH4 - Methane)	0.002	--
CO (Carbon Monoxide)	0.3617	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	1.47	--
DT-EER (Drive Trace Energy Economy Rating)	0.45	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	3.61	--
MFR FE (Manufacturer Fuel Economy)	31.2875	31.2875
NOX (Nitrogen Oxide)	0.0021	--
HC-NM (Non-methane Hydrocarbon)	0.0126	--
NMOG (Non-methane organic gases)	0.014	--
HC-TOTAL (Total Hydrocarbon)	0.0134	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	277.0861	--

**Manufacturer Test Comments** 27MY SP3 2.0 18in ETW 3750 (EDV) E10-50F

## Certification Summary Information Report

Test Group		VKMXV02.0NE3				Evaporative/Refueling Family				VKMXR0125NEG		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
CA	4,000 miles	California LEV-IV SULEV30	CO	0.36	--	--	--	--	--	0.4	1.0	Pass
CA	4,000 miles	California LEV-IV SULEV30	NMOG	0.0140	--	1.10	--	--	--	0.014	99.999	Pass
CA	4,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0161	--	--	--	--	--	0.016	0.060	Pass
CA	4,000 miles	California LEV-IV SULEV30	NOX	0.0021	--	--	--	--	--	0.002	99.999	Pass

### Certification Summary Information Report

<b>Test Group</b>	VKMXV02.0NE3	<b>Evaporative/Refueling Family</b>	VKMXR0125NEG
<b>Test #</b>	<b>VKMX10092415</b>	<b>Test Procedure</b>	<b>49 - Quick-Driveway (QD)</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
<b>Test Date</b>	09/21/2025	<b>Fuel</b>	Gasoline
<b>Fuel Batch ID</b>	25T-03	<b>Fuel Calibration Number</b>	1
<b>Vehicle Class</b>	LDV/Passenger Car	<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>	4397	<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

**Test Results**

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
<b>METHANE (CH4 - Methane)</b>	0.0005	--
<b>DT-ASCR (Drive Trace Absolute Speed Change Rating)</b>	0.18	--
<b>DT-EER (Drive Trace Energy Economy Rating)</b>	-0.37	--
<b>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</b>	0.34	--
<b>NOX (Nitrogen Oxide)</b>	0.0036	--
<b>HC-NM (Non-methane Hydrocarbon)</b>	0.0043	--
<b>NMOG (Non-methane organic gases)</b>	0.0047	--

**Manufacturer Test Comments**                      27MY SP3 2.0 18in ETW 3750 (EDV) E10-QD

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
CA	150,000 miles	California LEV-IV SULEV30	NMOG	0.0047	--	1.10	--	0.0068	--	0.012	99.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0083	--	--	--	--	--	0.016	0.042	Pass
CA	150,000 miles	California LEV-IV SULEV30	NOX	0.0036	--	--	--	0.0005	--	0.004	99.999	Pass

## Certification Summary Information Report

Test Group	VKMXV02.0NE3	Evaporative/Refueling Family	VKMXR0125NEG
<b>Test #</b>	<b>VKMX10092416</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>	09/10/2025	<b>Fuel</b>	Gasoline
<b>Fuel Batch ID</b>	25D-02	<b>Fuel Calibration Number</b>	1
<b>Vehicle Class</b>	LDV/Passenger Car	<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>	4216	<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>			

## Certification Summary Information Report

Test Group	VKMXV02.0NE3	Evaporative/Refueling Family	VKMXR0125NEG
	<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)	340.4525	--
	CO BAG 1 (Bag 1 Carbon Monoxide)	1.6362	--
	FE BAG 1 (Bag 1 Fuel Economy)	25.1083	25.1083
	CH4 BAG 1 (Bag 1 Methane)	0.0263	--
	NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.326	--
	CO2 BAG 2 (Bag 2 Carbon Dioxide)	299.2411	--
	CO BAG 2 (Bag 2 Carbon Monoxide)	0.232	--
	FE BAG 2 (Bag 2 Fuel Economy)	28.8147	28.8147
	CH4 BAG 2 (Bag 2 Methane)	0.0001	--
	NMOG BAG 2 (Bag 2 Non-methane organic gases)	0	--
	CO2 BAG 3 (Bag 3 Carbon Dioxide)	270.146	--
	CO BAG 3 (Bag 3 Carbon Monoxide)	0.2278	--
	FE BAG 3 (Bag 3 Fuel Economy)	31.9055	31.9055
	CH4 BAG 3 (Bag 3 Methane)	0.0012	--
	NMOG BAG 3 (Bag 3 Non-methane organic gases)	0	--
	METHANE (CH4 - Methane)	0.0058	--
	CO (Carbon Monoxide)	0.522	--
	DT-ASCR (Drive Trace Absolute Speed Change Rating)	2.26	--
	DT-EER (Drive Trace Energy Economy Rating)	0.36	--
	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	4.01	--
	MFR FE (Manufacturer Fuel Economy)	28.6559	28.6559
	NOX (Nitrogen Oxide)	0.0082	--
	HC-NM (Non-methane Hydrocarbon)	0.0614	--
	NMOG (Non-methane organic gases)	0.067	--
	HC-TOTAL (Total Hydrocarbon)	0.0669	--
	<b>Test Result Name</b>	<b>Unrounded Test Result</b>	<b>Verify Calculated CO2</b>
	Carbon dioxide	299.7876	--
<b>Manufacturer Test Comments</b>	27MY SP3 2.0 AWD 18in ETW 3750 (EDV) E10-20F		

## Certification Summary Information Report

Test Group		VKMXV02.0NE3			Evaporative/Refueling Family					VKMXR0125NEG		
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	0.52	--	--	--	0.03	--	0.6	10.0	Pass
Fed	120,000 miles	Federal Tier 3 Bin 30	HC-NM	0.06	--	--	--	0.0001	--	0.1	0.3	Pass
CA	50,000 miles	California LEV-IV SULEV30	CO	0.52	--	--	--	0.03	--	0.6	10.0	Pass

## Certification Summary Information Report

Test Group	VKMXV02.0NE3	Evaporative/Refueling Family	VKMXR0125NEG
<b>Test #</b>	<b>VKMX10093088</b>	<b>Test Procedure</b>	<b>21 - Federal fuel 2-day exhaust (w/can load)</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
<b>Test Date</b>	01/22/2026	<b>Fuel</b>	Gasoline
<b>Fuel Batch ID</b>	26Q-01	<b>Fuel Calibration Number</b>	1
<b>Vehicle Class</b>	LDV/Passenger Car	<b>DF Type</b>	Mfr. Determined
<b>Verify Test Lab ID</b>	6800 Geddes Road		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	4697	<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>			



## Certification Summary Information Report

Test Group		VKMXV02.0NE3			Evaporative/Refueling Family					VKMXR0125NEG		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	120,000 miles	Federal Tier 3 Bin 30	CREE	273	--	--	--	0.059262	--	273	--	--
Fed	120,000 miles	Federal Tier 3 Bin 30	METHANE	0.0008	--	--	--	0.0004	--	0.001	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	CO	0.21	--	--	--	0.10	--	0.3	1.0	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	CO-COMP	1.65	--	--	--	0	--	1.6	4.2	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0021	--	1.10	--	0.0028	--	0.005	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX	0.0054	--	--	--	--	--	0.010	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX-COMP	0.0119	--	--	--	0	--	0.012	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0033	--	--	--	0.0019	--	0.005	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	PM	0.0001	--	--	--	0.0000	--	0.000	0.003	Pass
CA	150,000 miles	California LEV-IV SULEV30	CO	0.21	--	--	--	0.10	--	0.3	1.0	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG	0.0021	--	1.10	--	0.0028	--	0.005	99.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0054	--	--	--	--	--	0.010	0.030	Pass
CA	150,000 miles	California LEV-IV SULEV30	NOX	0.0033	--	--	--	0.0019	--	0.005	99.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	PM	0.0001	--	--	--	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

<b>Test Group</b>	VKMXV02.0NE3	<b>Evaporative/Refueling Family</b>	VKMXR0125NEG
<b>Test #</b>	<b>VKMX10092350</b>	<b>Test Procedure</b>	<b>3 - HWFE</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	61 - Tier 2 Cert Gasoline
<b>Test Date</b>	09/12/2025	<b>Fuel</b>	Gasoline
<b>Fuel Batch ID</b>	25M-02	<b>Fuel Calibration Number</b>	1
<b>Vehicle Class</b>	LDV/Passenger Car	<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>	4266	<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

## Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
CO (Carbon Monoxide)	0.2007	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	4.27	--
DT-EER (Drive Trace Energy Economy Rating)	-0.15	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	4.71	--
MFR FE (Manufacturer Fuel Economy)	46.3043	46.3043
NOX (Nitrogen Oxide)	0.0013	--
HC-NM (Non-methane Hydrocarbon)	0.0021	--
NMOG (Non-methane organic gases)	0.0022	--
HC-TOTAL (Total Hydrocarbon)	0.0027	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	191.3237	191

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	191.2126	--

## Manufacturer Test Comments

27MY SP3 2.0 AWD 18in ETW 3750 (FEDV) E0-HWY

## Certification Summary Information Report

Test Group		VKMXV02.0NE3				Evaporative/Refueling Family				VKMXR0125NEG		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	120,000 miles	Federal Tier 3 Bin 30	CREE	191	--	--	--	0.059262	--	191	--	--
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0022	--	1.03	--	0.0028	--	0.005	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX	0.0035	--	--	--	--	--	0.008	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0013	--	--	--	0.0019	--	0.003	99.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG	0.0022	--	1.03	--	0.0028	--	0.005	99.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0035	--	--	--	--	--	0.008	0.030	Pass
CA	150,000 miles	California LEV-IV SULEV30	NOX	0.0013	--	--	--	0.0019	--	0.003	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

<b>Test Group</b>	VKMXV02.0NE3	<b>Evaporative/Refueling Family</b>	VKMXR0125NEG
<b>Test #</b>	<b>VKMX10093089</b>	<b>Test Procedure</b>	<b>3 - HWFE</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
<b>Test Date</b>	01/22/2026	<b>Fuel</b>	Gasoline
<b>Fuel Batch ID</b>	26Q-01	<b>Fuel Calibration Number</b>	1
<b>Vehicle Class</b>	LDV/Passenger Car	<b>DF Type</b>	Mfr. Determined
<b>Verify Test Lab ID</b>	6800 Geddes Road		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	4708	<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

## Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
METHANE (CH4 - Methane)	0.0002	--
CO (Carbon Monoxide)	0.1283	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	2.31	--
DT-EER (Drive Trace Energy Economy Rating)	-0.44	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	3.2	--
MFR FE (Manufacturer Fuel Economy)	46.2046	46.2046
NOX (Nitrogen Oxide)	0.0011	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--
HC-TOTAL (Total Hydrocarbon)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	189.2042	189

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	188.6582	--

## Manufacturer Test Comments

27MY SP3 2.0 AWD 18in ETW 3750 (EDV) E10-HWY MCT

## Certification Summary Information Report

Test Group		VKMXV02.0NE3				Evaporative/Refueling Family				VKMXR0125NEG		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	120,000 miles	Federal Tier 3 Bin 30	CREE	189	--	--	--	0.059262	--	189	--	--
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0000	--	1.03	--	0.0028	--	0.003	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX	0.0011	--	--	--	--	--	0.006	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0011	--	--	--	0.0019	--	0.003	99.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG	0.0000	--	1.03	--	0.0028	--	0.003	99.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0011	--	--	--	--	--	0.006	0.030	Pass
CA	150,000 miles	California LEV-IV SULEV30	NOX	0.0011	--	--	--	0.0019	--	0.003	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

<b>Test Group</b>	VKMXV02.0NE3	<b>Evaporative/Refueling Family</b>	VKMXR0125NEG
<b>Test #</b>	<b>VKMX10092351</b>	<b>Test Procedure</b>	<b>90 - US06</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	61 - Tier 2 Cert Gasoline
<b>Test Date</b>	09/12/2025	<b>Fuel</b>	Gasoline
<b>Fuel Batch ID</b>	25M-02	<b>Fuel Calibration Number</b>	1
<b>Vehicle Class</b>	LDV/Passenger Car	<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>	4287	<b>Odometer Units</b>	M
<b>4WD Test Dyno</b>	No	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	Yes		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	<b>Road Speed Fan Usage</b>	Yes

## Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
CO2 BAG 1 (Bag 1 Carbon Dioxide)	500.0551	--
FE BAG 1 (Bag 1 Fuel Economy)	17.0719	17.0719
CO2 BAG 2 (Bag 2 Carbon Dioxide)	272.9746	--
FE BAG 2 (Bag 2 Fuel Economy)	31.7027	31.7027
METHANE (CH4 - Methane)	0.0008	--
CO (Carbon Monoxide)	5.8437	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.71	--
DT-EER (Drive Trace Energy Economy Rating)	-0.99	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.84	--
MFR FE (Manufacturer Fuel Economy)	26.6686	26.6686
NOX (Nitrogen Oxide)	0.0055	--
N2O (Nitrous Oxide)	0.0001	--
HC-NM (Non-methane Hydrocarbon)	0.0046	--
NMOG (Non-methane organic gases)	0.0047	--
HC-TOTAL (Total Hydrocarbon)	0.0053	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	323.237	--

## Manufacturer Test Comments

27MY SP3 2.0 AWD 18in ETW 3750 (FEDV) E0-US06

## Certification Summary Information Report

Test Group		VKMXV02.0NE3				Evaporative/Refueling Family				VKMXR0125NEG		
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	5.8437	--	--	--	0.10	--	5.944	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0047	--	1.03	--	0.0028	--	0.008	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX	0.0102	--	--	--	--	--	0.015	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0055	--	--	--	0.0019	--	0.007	99.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	CO	5.84	--	--	--	0.10	--	5.9	9.6	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG	0.0047	--	1.03	--	0.0028	--	0.008	99.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0102	--	--	--	--	--	0.015	0.030	Pass
CA	150,000 miles	California LEV-IV SULEV30	NOX	0.0055	--	--	--	0.0019	--	0.007	99.999	Pass

## Certification Summary Information Report

<b>Test Group</b>	VKMXV02.0NE3	<b>Evaporative/Refueling Family</b>	VKMXR0125NEG
<b>Test #</b>	<b>VKMX10092411</b>	<b>Test Procedure</b>	<b>90 - US06</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
<b>Test Date</b>	09/04/2025	<b>Fuel</b>	Gasoline
<b>Fuel Batch ID</b>	25T-03	<b>Fuel Calibration Number</b>	1
<b>Vehicle Class</b>	LDV/Passenger Car	<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>	4090	<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

## Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
CO2 BAG 1 (Bag 1 Carbon Dioxide)	486.4151	--
CO BAG 1 (Bag 1 Carbon Monoxide)	9.3269	--
FE BAG 1 (Bag 1 Fuel Economy)	17.3476	17.3476
CH4 BAG 1 (Bag 1 Methane)	0.001	--
NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0054	--
CO2 BAG 2 (Bag 2 Carbon Dioxide)	271.6548	--
CO BAG 2 (Bag 2 Carbon Monoxide)	3.3523	--
FE BAG 2 (Bag 2 Fuel Economy)	31.325	31.325
CH4 BAG 2 (Bag 2 Methane)	0.0005	--
NMOG BAG 2 (Bag 2 Non-methane organic gases)	0.0029	--
METHANE (CH4 - Methane)	0.0006	--
CO (Carbon Monoxide)	4.6751	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.76	--
DT-EER (Drive Trace Energy Economy Rating)	-1.13	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.62	--
MFR FE (Manufacturer Fuel Economy)	26.613	26.613
NOX (Nitrogen Oxide)	0.0051	--
HC-NM (Non-methane Hydrocarbon)	0.0034	--
NMOG (Non-methane organic gases)	0.0035	--
PM (Particulate Matter)	0.0037	--
HC-TOTAL (Total Hydrocarbon)	0.004	--

### Certification Summary Information Report

<b>Test Group</b>	VKMXV02.0NE3	<b>Evaporative/Refueling Family</b>	VKMXR0125NEG
-------------------	--------------	-------------------------------------	--------------

<b>Test Result Name</b>	<b>Unrounded Test Result</b>	<b>Verify Calculated CO2</b>
<b>Carbon dioxide</b>	319.205	--

**Manufacturer Test Comments**                      27MY SP3 2.0 AWD 18in ETW 3750 (EDV) E10-US06

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	4.6751	--	--	--	0.10	--	4.775	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0035	--	1.03	--	0.0028	--	0.006	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX	0.0086	--	--	--	--	--	0.013	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0051	--	--	--	0.0019	--	0.007	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	PM	0.0037	--	--	--	0.0000	--	0.004	0.006	Pass
CA	150,000 miles	California LEV-IV SULEV30	CO	4.68	--	--	--	0.10	--	4.8	9.6	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG	0.0035	--	1.03	--	0.0028	--	0.006	99.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0086	--	--	--	--	--	0.013	0.030	Pass
CA	150,000 miles	California LEV-IV SULEV30	NOX	0.0051	--	--	--	0.0019	--	0.007	99.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	PM	0.0037	--	--	--	0.0000	--	0.004	0.006	Pass

## Certification Summary Information Report

<b>Test Group</b>	VKMXV02.0NE3	<b>Evaporative/Refueling Family</b>	VKMXR0125NEG
<b>Test #</b>	<b>VKMX10093090</b>	<b>Test Procedure</b>	<b>95 - SC03</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
<b>Test Date</b>	01/27/2026	<b>Fuel</b>	Gasoline
<b>Fuel Batch ID</b>	26Q-01	<b>Fuel Calibration Number</b>	1
<b>Vehicle Class</b>	LDV/Passenger Car	<b>DF Type</b>	Mfr. Determined
<b>Verify Test Lab ID</b>	6800 Geddes Road		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	4503	<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

## Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
METHANE (CH4 - Methane)	0.0009	--
CO (Carbon Monoxide)	0.4374	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-1.25	--
DT-EER (Drive Trace Energy Economy Rating)	0.75	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-1.32	--
MFR FE (Manufacturer Fuel Economy)	24.6471	24.6471
NOX (Nitrogen Oxide)	0.0078	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--
HC-TOTAL (Total Hydrocarbon)	0.0004	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	354.1484	--

## Manufacturer Test Comments

27MY SP3 2.0 AWD 18in ETW 3750 (EDV) E10-SC03 MCT

## Certification Summary Information Report

Test Group		VKMXV02.0NE3				Evaporative/Refueling Family				VKMXR0125NEG		
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	0.4374	--	--	--	0.10	--	0.537	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0000	--	1.03	--	0.0028	--	0.003	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX	0.0078	--	--	--	--	--	0.012	99.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0078	--	--	--	0.0019	--	0.010	99.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	CO	0.44	--	--	--	0.10	--	0.5	1.0	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG	0.0000	--	1.03	--	0.0028	--	0.003	99.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0078	--	--	--	--	--	0.012	0.030	Pass
CA	150,000 miles	California LEV-IV SULEV30	NOX	0.0078	--	--	--	0.0019	--	0.010	99.999	Pass

## Certification Summary Information Report

Test Group	VKMXV02.0NE3	Evaporative/Refueling Family	VKMXR0125NEG
<b>Fuel Properties</b>			
<b>Fuel Batch ID</b>	<b>25T-03</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>	06/19/2025
<b>Fuel Batch Calibration Effective Date</b>	07/23/2025	<b>Fuel Batch Calibration Ineffective Date</b>	07/23/2028
<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>	41.495	<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>25M-02</b>	<b>Fuel Calibration Number</b>	<b>1</b>
<b>Test Fuel Type</b>	61 - Tier 2 Cert Gasoline	<b>Fuel Batch Calibration Date</b>	06/19/2025
<b>Fuel Batch Calibration Effective Date</b>	07/23/2025	<b>Fuel Batch Calibration Ineffective Date</b>	07/23/2028
<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>	0.74
<b>Fuel Ethanol Volume Percent (%)</b>	--	<b>Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)</b>	18484
<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>	0.864	<b>Weight Fraction CO2</b>	--
<b>Fuel Batch ID</b>	<b>26Q-01</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>	01/03/2026
<b>Fuel Batch Calibration Effective Date</b>	11/06/2025	<b>Fuel Batch Calibration Ineffective Date</b>	01/03/2029
<b>Carbon Weight Fraction NMHC</b>	--	<b>Carbon Weight Fraction HC</b>	--
<b>Exhaust Carbon Weight Fraction</b>	--	<b>Fuel Methanol Volume Fraction</b>	--
<b>Fuel Density (grams/cubic ft)</b>	--	<b>Fuel Specific Gravity</b>	0.751
<b>Fuel Ethanol Volume Percent (%)</b>	9.9	<b>Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)</b>	--
<b>Fuel Net Heat of Combustion (E10) (MJ/kg)</b>	41.347	<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>25T-01</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

## Certification Summary Information Report

Test Group	VKMXV02.0NE3	Evaporative/Refueling Family	VKMXR0125NEG
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.742
Fuel Ethanol Volume Percent (%)	9.8	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17841
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.828	Weight Fraction CO2	--
<b>Fuel Batch ID</b>	<b>24E-01</b>	<b>Fuel Calibration Number</b>	<b>1</b>
Test Fuel Type	51 - CARB LEV4 E10 Regular Gasoline	Fuel Batch Calibration Date	08/23/2024
Fuel Batch Calibration Effective Date	08/27/2024	Fuel Batch Calibration Ineffective Date	08/27/2027
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.742
Fuel Ethanol Volume Percent (%)	9.4	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17903
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	--
<b>Fuel Batch ID</b>	<b>25D-02</b>	<b>Fuel Calibration Number</b>	<b>1</b>
Test Fuel Type	28 - Cold CO E10 Regular Gasoline (Tier 3)	Fuel Batch Calibration Date	06/19/2025
Fuel Batch Calibration Effective Date	07/23/2025	Fuel Batch Calibration Ineffective Date	07/23/2028
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.736
Fuel Ethanol Volume Percent (%)	9.8	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	--
Fuel Net Heat of Combustion (E10) (MJ/kg)	41.538	Fuel Carbon Mass Fraction (E10)	0.826
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	--	Weight Fraction CO2	--

### Certification Summary Information Report

<b>Test Group</b>	VKMXV02.0NE3	<b>Evaporative/Refueling Family</b>	VKMXR0125NEG
-------------------	--------------	-------------------------------------	--------------

#### Consolidated List of Standards

**Exhaust Standards**

<b>Cert Region</b>	California + CAA Section 177 states	<b>Cert/In-Use Code</b>	Cert
<b>Vehicle Class</b>	LDV/Passenger Car	<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	--	--	--	--	--	--	0.10	9.6
150,000 miles	NMOG	--	--	1.03	--	--	--	0.0028	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0	0.030
150,000 miles	NOX	--	--	--	--	--	--	0.0019	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>	LDV/Passenger Car	<b>Standard Level</b>	California LEV-IV SULEV30
<b>Fuel</b>	Gasoline	<b>Test Procedure</b>	Federal fuel 2-day exhaust (w/can load)

Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	--	0.10	1.0
150,000 miles	HCHO	--	--	--	--	--	--	0	0.004
150,000 miles	NMOG	--	--	1.10	--	--	--	0.0028	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0	0.030
150,000 miles	NOX	--	--	--	--	--	--	0.0019	99.999
150,000 miles	PM	--	--	--	--	--	--	0.0000	0.001

<b>Cert Region</b>	California + CAA Section 177 states	<b>Cert/In-Use Code</b>	Cert
<b>Vehicle Class</b>	LDV/Passenger Car	<b>Standard Level</b>	California LEV-IV SULEV30
<b>Fuel</b>	Gasoline	<b>Test Procedure</b>	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	--	--	--	--	--	--	0.10	1.0
150,000 miles	NMOG	--	--	1.03	--	--	--	0.0028	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0	0.030
150,000 miles	NOX	--	--	--	--	--	--	0.0019	99.999

### Certification Summary Information Report

<b>Test Group</b>	VKMXV02.0NE3	<b>Evaporative/Refueling Family</b>	VKMXR0125NEG
-------------------	--------------	-------------------------------------	--------------

<b>Cert Region</b>	California + CAA Section 177 states	<b>Cert/In-Use Code</b>	Cert
<b>Vehicle Class</b>	LDV/Passenger Car	<b>Standard Level</b>	California LEV-IV SULEV30
<b>Fuel</b>	Gasoline	<b>Test Procedure</b>	CVS 75 and later (w/o can. load)

Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	--	0.10	1.0
150,000 miles	HCHO	--	--	--	--	--	--	0	0.004
150,000 miles	NMOG	--	--	1.10	--	--	--	0.0028	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0	0.030
150,000 miles	NOX	--	--	--	--	--	--	0.0019	99.999
150,000 miles	PM	--	--	--	--	--	--	0.0000	0.001

<b>Cert Region</b>	California + CAA Section 177 states	<b>Cert/In-Use Code</b>	Cert
<b>Vehicle Class</b>	LDV/Passenger Car	<b>Standard Level</b>	California LEV-IV SULEV30
<b>Fuel</b>	Gasoline	<b>Test Procedure</b>	Fed. fuel 50 F exh.

Useful Life	Emission Name	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

<b>Cert Region</b>	California + CAA Section 177 states	<b>Cert/In-Use Code</b>	Cert
<b>Vehicle Class</b>	LDV/Passenger Car	<b>Standard Level</b>	California LEV-IV SULEV30
<b>Fuel</b>	Gasoline	<b>Test Procedure</b>	Quick-Driveway (QD)

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	--	--	1.10	--	--	--	0.0068	99.999
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0	0.042
150,000 miles	NOX	--	--	--	--	--	--	0.0005	99.999

### Certification Summary Information Report

<b>Test Group</b>		VKMXV02.0NE3			<b>Evaporative/Refueling Family</b>			VKMXR0125NEG		
<b>Cert Region</b>		Federal			<b>Cert/In-Use Code</b>			Cert		
<b>Vehicle Class</b>		LDV/Passenger Car			<b>Standard Level</b>			Federal Tier 3 Bin 30		
<b>Fuel</b>		Gasoline			<b>Test Procedure</b>			Federal fuel 2-day exhaust (w/can load)		
<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>RAF</b>	<b>NMOG / NMHC</b>	<b>Upward Diesel Adjustment Factor</b>	<b>Downward Diesel Adjustment Factor</b>	<b>Mult DF</b>	<b>Add DF</b>	<b>Std</b>	
120,000 miles	CREE	--	--	--	--	--	--	0.059262	999	
120,000 miles	METHANE	--	--	--	--	--	--	0.0004	0.030	
120,000 miles	N2O	--	--	--	--	--	--	0.0002	0.010	
150,000 miles	CO	--	--	--	--	--	--	0.10	1.0	
150,000 miles	CO-COMP	--	--	--	--	--	--	0	4.2	
150,000 miles	HCHO	--	--	--	--	--	--	0	0.004	
150,000 miles	NMOG	--	--	1.10	--	--	--	0.0028	99.999	
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0	0.030	
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	0	0.030	
150,000 miles	NOX	--	--	--	--	--	--	0.0019	99.999	
150,000 miles	PM	--	--	--	--	--	--	0.0000	0.003	

<b>Cert Region</b>		Federal			<b>Cert/In-Use Code</b>			Cert		
<b>Vehicle Class</b>		LDV/Passenger Car			<b>Standard Level</b>			Federal Tier 3 Bin 30		
<b>Fuel</b>		Gasoline			<b>Test Procedure</b>			CVS 75 and later (w/o can. load)		
<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>RAF</b>	<b>NMOG / NMHC</b>	<b>Upward Diesel Adjustment Factor</b>	<b>Downward Diesel Adjustment Factor</b>	<b>Mult DF</b>	<b>Add DF</b>	<b>Std</b>	
120,000 miles	CREE	--	--	--	--	--	--	0.059262	999	
120,000 miles	METHANE	--	--	--	--	--	--	0.0004	0.030	
120,000 miles	N2O	--	--	--	--	--	--	0.0002	0.010	
150,000 miles	CO	--	--	--	--	--	--	0.10	1.0	
150,000 miles	CO-COMP	--	--	--	--	--	--	0	4.2	
150,000 miles	HC-NM+NOX-COMP	--	--	--	--	--	--	0	0.030	
150,000 miles	HCHO	--	--	--	--	--	--	0	0.004	
150,000 miles	NMOG	--	--	1.10	--	--	--	0.0028	99.999	
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0	0.030	
150,000 miles	NOX	--	--	--	--	--	--	0.0019	99.999	
150,000 miles	PM	--	--	--	--	--	--	0.0000	0.001	

### Certification Summary Information Report

<b>Test Group</b>		VKMXV02.0NE3			<b>Evaporative/Refueling Family</b>			VKMXR0125NEG		
<b>Cert Region</b>		Federal			<b>Cert/In-Use Code</b>			Cert		
<b>Vehicle Class</b>		LDV/Passenger Car			<b>Standard Level</b>			Federal Tier 3 Bin 30		
<b>Fuel</b>		Gasoline			<b>Test Procedure</b>			US06		
<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>RAF</b>	<b>NMOG / NMHC</b>	<b>Upward Diesel Adjustment Factor</b>	<b>Downward Diesel Adjustment Factor</b>	<b>Mult DF</b>	<b>Add DF</b>	<b>Std</b>	
150,000 miles	CO	--	--	--	--	--	--	0.10	99.999	
150,000 miles	NMOG	--	--	1.03	--	--	--	0.0028	99.999	
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0	99.999	
150,000 miles	NOX	--	--	--	--	--	--	0.0019	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>		LDV/Passenger Car			<b>Standard Level</b>			California LEV-IV SULEV30		
<b>Fuel</b>		Gasoline			<b>Test Procedure</b>			Cold CO		
<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>RAF</b>	<b>NMOG / NMHC</b>	<b>Upward Diesel Adjustment Factor</b>	<b>Downward Diesel Adjustment Factor</b>	<b>Mult DF</b>	<b>Add DF</b>	<b>Std</b>	
50,000 miles	CO	--	--	--	--	--	--	0.03	10.0	

<b>Cert Region</b>		Federal			<b>Cert/In-Use Code</b>			Cert		
<b>Vehicle Class</b>		LDV/Passenger Car			<b>Standard Level</b>			Federal Tier 3 Bin 30		
<b>Fuel</b>		Gasoline			<b>Test Procedure</b>			HWFE		
<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>RAF</b>	<b>NMOG / NMHC</b>	<b>Upward Diesel Adjustment Factor</b>	<b>Downward Diesel Adjustment Factor</b>	<b>Mult DF</b>	<b>Add DF</b>	<b>Std</b>	
120,000 miles	CREE	--	--	--	--	--	--	0.059262	999	
150,000 miles	NMOG	--	--	1.03	--	--	--	0.0028	99.999	
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0	0.030	
150,000 miles	NOX	--	--	--	--	--	--	0.0019	99.999	

### Certification Summary Information Report

<b>Test Group</b>		VKMXV02.0NE3			<b>Evaporative/Refueling Family</b>			VKMXR0125NEG		
<b>Cert Region</b>		California + CAA Section 177 states			<b>Cert/In-Use Code</b>			Cert		
<b>Vehicle Class</b>		LDV/Passenger Car			<b>Standard Level</b>			California LEV-IV SULEV30		
<b>Fuel</b>		Gasoline			<b>Test Procedure</b>			HWFE		
<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>RAF</b>	<b>NMOG / NMHC</b>	<b>Upward Diesel Adjustment Factor</b>	<b>Downward Diesel Adjustment Factor</b>	<b>Mult DF</b>	<b>Add DF</b>	<b>Std</b>	
150,000 miles	NMOG	--	--	1.03	--	--	--	0.0028	99.999	
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0	0.030	
150,000 miles	NOX	--	--	--	--	--	--	0.0019	99.999	

<b>Cert Region</b>		Federal			<b>Cert/In-Use Code</b>			Cert		
<b>Vehicle Class</b>		LDV/Passenger Car			<b>Standard Level</b>			Federal Tier 3 Bin 30		
<b>Fuel</b>		Gasoline			<b>Test Procedure</b>			SC03		
<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>RAF</b>	<b>NMOG / NMHC</b>	<b>Upward Diesel Adjustment Factor</b>	<b>Downward Diesel Adjustment Factor</b>	<b>Mult DF</b>	<b>Add DF</b>	<b>Std</b>	
150,000 miles	CO	--	--	--	--	--	--	0.10	99.999	
150,000 miles	NMOG	--	--	1.03	--	--	--	0.0028	99.999	
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0	99.999	
150,000 miles	NOX	--	--	--	--	--	--	0.0019	99.999	

<b>Cert Region</b>		Federal			<b>Cert/In-Use Code</b>			Cert		
<b>Vehicle Class</b>		LDV/Passenger Car			<b>Standard Level</b>			Federal Tier 3 Bin 30		
<b>Fuel</b>		Gasoline			<b>Test Procedure</b>			Cold CO		
<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>RAF</b>	<b>NMOG / NMHC</b>	<b>Upward Diesel Adjustment Factor</b>	<b>Downward Diesel Adjustment Factor</b>	<b>Mult DF</b>	<b>Add DF</b>	<b>Std</b>	
50,000 miles	CO	--	--	--	--	--	--	0.03	10.0	
120,000 miles	HC-NM	--	--	--	--	--	--	0.0001	0.3	

**Evaporative/Refueling Standards**

<b>Evaporative/Refueling Family</b>		VKMXR0125NEG			<b>Cert Region</b>			California + CAA Section 177 states		
<b>Cert/In-Use Code</b>		Cert			<b>Standard Level</b>			California LEV-IV Zero Evap (Option 2)		
<b>Test Procedure</b>		Leak Test - Port Near Fuel Pipe								
<b>Fuel</b>	<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>Std</b>	<b>Add DF</b>					
Gasoline	150,000 miles	LEAK-DIA	--	0.02	0					

### Certification Summary Information Report

<b>Test Group</b>	VKMXV02.0NE3	<b>Evaporative/Refueling Family</b>	VKMXR0125NEG		
<b>Evaporative/Refueling Family</b>	VKMXR0125NEG	<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.				
<b>Fuel</b>	<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>Std</b>	<b>Add DF</b>
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.300	0
<b>Evaporative/Refueling Family</b>	VKMXR0125NEG	<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>	Federal fuel refueling test (ORVR)				
<b>Fuel</b>	<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>Std</b>	<b>Add DF</b>
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.20	0.002
<b>Evaporative/Refueling Family</b>	VKMXR0125NEG	<b>Cert Region</b>	Federal Federal Tier 3 Evap		
<b>Cert/In-Use Code</b>	Cert	<b>Standard Level</b>			
<b>Test Procedure</b>	California fuel 2-day evap				
<b>Fuel</b>	<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>Std</b>	<b>Add DF</b>
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.300	0
<b>Evaporative/Refueling Family</b>	VKMXR0125NEG	<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>	California fuel 2-day evap				
<b>Fuel</b>	<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>Std</b>	<b>Add DF</b>
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.300	0
<b>Evaporative/Refueling Family</b>	VKMXR0125NEG	<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>	California Fuel Running Loss				
<b>Fuel</b>	<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>Std</b>	<b>Add DF</b>
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.01	0

### Certification Summary Information Report

<b>Test Group</b>	VKMXV02.0NE3	<b>Evaporative/Refueling Family</b>	VKMXR0125NEG		
<b>Evaporative/Refueling Family</b>	VKMXR0125NEG	<b>Cert Region</b>	California + CAA Section 177 states		
<b>Cert/In-Use Code</b>	Cert	<b>Standard Level</b>	California LEV-IV Zero Evap (Option 2)		
<b>Test Procedure</b>	Leak Test - Port Near Canister				
<b>Fuel</b>	<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>Std</b>	<b>Add DF</b>
Gasoline	150,000 miles	LEAK-DIA	--	0.02	0
<b>Evaporative/Refueling Family</b>	VKMXR0125NEG	<b>Cert Region</b>	Federal		
<b>Cert/In-Use Code</b>	Cert	<b>Standard Level</b>	Federal Tier 3 Evap		
<b>Test Procedure</b>	CA fuel 3-day evap.				
<b>Fuel</b>	<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>Std</b>	<b>Add DF</b>
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.300	0
<b>Evaporative/Refueling Family</b>	VKMXR0125NEG	<b>Cert Region</b>	Federal		
<b>Cert/In-Use Code</b>	Cert	<b>Standard Level</b>	Federal Tier 3 Evap		
<b>Test Procedure</b>	Leak Test - Port Near Fuel Pipe				
<b>Fuel</b>	<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>Std</b>	<b>Add DF</b>
Gasoline	150,000 miles	LEAK-DIA	--	0.020	0
<b>Evaporative/Refueling Family</b>	VKMXR0125NEG	<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)				
<b>Fuel</b>	<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>Std</b>	<b>Add DF</b>
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.20	0.002
<b>Evaporative/Refueling Family</b>	VKMXR0125NEG	<b>Cert Region</b>	Federal		
<b>Cert/In-Use Code</b>	Cert	<b>Standard Level</b>	Federal Tier 3 Evap		
<b>Test Procedure</b>	California Fuel Running Loss				
<b>Fuel</b>	<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>Std</b>	<b>Add DF</b>
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.05	0

## Certification Summary Information Report

<b>Test Group</b>	VKMXV02.0NE3		<b>Evaporative/Refueling Family</b>	VKMXR0125NEG	
<b>Evaporative/Refueling Family</b>	VKMXR0125NEG		<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				
<b>Fuel</b>	<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>Std</b>	<b>Add DF</b>
Gasoline	150,000 miles	HC-TOTAL	--	0.020	0
<b>Evaporative/Refueling Family</b>	VKMXR0125NEG		<b>Cert Region</b>	Federal	
<b>Cert/In-Use Code</b>	Cert		<b>Standard Level</b>	Federal Tier 3 Evap	
<b>Test Procedure</b>	Evap Canister Bleed Test				
<b>Fuel</b>	<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>Std</b>	<b>Add DF</b>
Gasoline	150,000 miles	HC-TOTAL	--	0.020	0
<b>Evaporative/Refueling Family</b>	VKMXR0125NEG		<b>Cert Region</b>	Federal	
<b>Cert/In-Use Code</b>	Cert		<b>Standard Level</b>	Federal Tier 3 Evap	
<b>Test Procedure</b>	Leak Test - Port Near Canister				
<b>Fuel</b>	<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>Std</b>	<b>Add DF</b>
Gasoline	150,000 miles	LEAK-DIA	--	0.020	0

## Certification Summary Information Report

Test Group	VKMXV02.0NE3	Evaporative/Refueling Family	VKMXR0125NEG
<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	VKMXV02.0NE3	Evaporative/Refueling Family		VKMXR0125NEG
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	

## Certification Summary Information Report

Test Group		VKMXV02.0NE3	Evaporative/Refueling Family	VKMXR0125NEG
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	