



### Certification Summary Information Report

<b>Test Group</b>	VBMXJ02.0T4P	<b>Evaporative/Refueling Family</b>	VBMXR0120U11				
<b>Evaporative/Refueling Family Information</b>							
<b>Evaporative Summary Information Type</b>	New	<b>Submission/Correction Date</b>	11/19/2025 10:41:05 AM				
<b>Integrated ORVR?</b>	Yes	<b>Fuel(s)</b>	Gasoline				
<b>Multiple Fuel Storage</b>	--						
<b>Bladder Fuel Tank?</b>	No						
<b>Fuel Tank Material</b>	Plastic	<b>Fuel Tank Material Description</b>	HDPE				
<b>Fill Pipe Seal Type</b>	Liquid seal						
<b>Air Intake System Vapor Storage Device?</b>	No	<b>Air Intake System Vapor Storage Device Description</b>	--				
<b>Fuel System Vapor Storage Canister?</b>	Yes	<b>Other Vapor Storage</b>	--				
<b>Fuel System Vapor Storage Canister(s) Total Working Capacity (grams)</b>	120	<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>	No						
<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>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>
BMW	2 - Mini	428 - JCW Countryman ALL4	Federal	All Wheel Drive	Automated Manual- Selectable (e.g. Automated Manual with paddles)	7	No
<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>	0W-20		
<b>Number of Cylinders/Rotors</b>	4			<b>Mechanically Variable Compression Ratio Indicator</b>	N		

### Certification Summary Information Report

<b>Test Group</b>	VBMXJ02.0T4P	<b>Evaporative/Refueling Family</b>	VBMXR0120U11							
<b>After Treatment Device(s) (ATD)</b>										
<b>ATD Number</b>	<b>ATD Type</b>	<b>ATD Precious Metal</b>	<b>Substrate Material</b>							
1	Three-way catalyst	Palladium + Rhodium	Ceramic							
2	Other	non coated	Ceramic							
3	Three-way catalyst	Palladium + Rhodium	Ceramic							
<b>Mfr After Treatment Device (ATD) Comments</b>										
		After Treatment Device #2: non coated particular filter (GPF)								
<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>	312							
<b>Number of Inlet Valves Per Cylinder</b>	2	<b>Number of Exhaust Valves Per Cylinder</b>	2							
<b>Air Aspiration Method</b>	Turbocharged	<b>Number of Air Aspiration Devices</b>	1							
<b>Air Aspiration Device Configuration</b>	Single	<b>Charge Air Cooler Type</b>	Air							
<b>Air Aspiration Drive Method(s)</b>	Mechanical									
<b>Cylinder Deactivation</b>	No									
<b>Cylinder Deactivation Description</b>	--									
<b>Variable Valve Timing</b>	Yes									
<b>Variable Valve Timing System Description</b>	Variable Valve Timing at inlet and outlet valves									
<b>Variable Valve Lift?</b>	Yes									
<b>Variable Valve Lift System Description</b>	Variable Valve Lift at inlet valves									
<b>Number of Knock Sensors</b>	2	<b>Number of Air/Fuel Sensors</b>	2							
<b>Air/Fuel Sensor # 1 Type</b>	Air fuel	<b>Air/Fuel Sensor # 1 Description</b>	--							
<b>Air/Fuel Sensor # 2 Type</b>	Heated oxygen	<b>Air/Fuel Sensor # 2 Description</b>	--							
<b>Mfr Air/Fuel Sensor Comments</b>	--									
<b>Exhaust Gas Recirculation</b>	No	<b>Cooled Exhaust Gas Recirculation</b>	No							
<b>EGR Type</b>	--	<b>Exhaust Gas Recirculation Description if 'Other'</b>	--							
<b>Closed Loop Air Injection System</b>	No									
<b>Air Injection Type</b>	--	<b>Air Injection Type if 'Other'</b>	--							
<b>Mfr Engine Configuration Comments</b>	--									
<b>Official Test Numbers</b>										
<b>Test Group</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	TBMX10090699	TBMX10090701	TBMX10090702	TBMX10090704	TBMX10090700	19.1	228.2	33.5	286.1	--

## Certification Summary Information Report

<b>Test Group</b>	VBMXJ02.0T4P	<b>Evaporative/Refueling Family</b>	VBMXR0120U11
<b>SFTP LEV-III Official Test Numbers</b>			
<b>Test Group Fuel</b>	<b>FTP</b>	<b>US06</b>	<b>SC03</b>
Gasoline	TBMX10090699	TBMX10090701	TBMX10090702

### Certification Summary Information Report

<b>Test Group</b>	VBMXJ02.0T4P	<b>Evaporative/Refueling Family</b>	VBMXR0120U11
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**Emission Data Vehicle Information**

Vehicle ID / Configuration	5U31826 / 4	Manufacturer Vehicle Configuration Number	0
Original Test Group Name	SBMXT02.0B48	Original Evaporative/Refueling Family	SBMXR0120U11
Original Test Vehicle Model Year	2025		
<b>Vehicle Model</b>			
Represented Test Vehicle Make	BMW	Represented Test Vehicle Model	X1 xDrive28i

**Leak Family Details**

Leak Family Identifier	--	Leak Family Name	--
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**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	1	Odometer Correction Factor	1
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor		
Odometer Correction Units	Miles		
Engine Code	B48A2002U11X	Rated Horsepower	241
Displacement (liters)	2		
Air Aspiration Method	Turbocharged	Air Aspiration Method, if 'Other'	
Number of Air Aspiration Devices	1	Air Aspiration Device Configuration	Single
Charge Air Cooler Type	Air	Drive Mode While Testing	All Wheel Drive
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)
Curb Weight (lbs)	3750	Equivalent Test Weight (pounds)	4000
GVWR (lbs)	4850	N/V Ratio	26.9
Axle Ratio	3.94		
Transmission Type	Automated Manual- Selectable (e.g. Automated Manual with paddles)	# of Transmission Gears	7
Transmission Lockup	No	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	43	-0.008	0.02301	11.6	0.056	0.02088	13.4

### Certification Summary Information Report

<b>Test Group</b>	VBMXJ02.0T4P	<b>Evaporative/Refueling Family</b>	VBMXR0120U11
<b>Emission Control Device Comments</b>	--		
<b>Manufacturer Test Vehicle Comments</b>	vi_5U31826_04_EDV EVAP_X1 xDrive28i_A_ETW-4000_RG30		
<b>Test #</b>	<b>SBMX10087472</b>	<b>Test Procedure</b>	<b>34 - Federal fuel 3-day evap</b>
<b>Exhaust Test # for this Evap Test</b>	SBMX10087471	<b>Test Fuel Type</b>	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
<b>Test Date</b>	08/08/2024	<b>Fuel</b>	Gasoline
<b>Fuel Batch ID</b>	T10/87	<b>Fuel Calibration Number</b>	43
<b>Vehicle Class</b>	N/A	<b>DF Type</b>	Mfr. Determined
<b>Verify Test Lab ID</b>	EETZ Emissions Lab		
<b>E10 Evaporative Test Measurement Method</b>	Calculated (1.08 x FID Total Hydrocarbons)		
<b>Test Start Odometer Reading</b>	6350	<b>Odometer Units</b>	K
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	No		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	<b>Road Speed Fan Usage</b>	Yes

**Test Results**

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
<b>HC-TOTAL (Total Hydrocarbon)</b>	0.1287	--
<b>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</b>	0.139	--

**Manufacturer Test Comments**                      EVAP EDV - 3Day, X1 xDrive28i

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	0.139	0	0.139	0.3	Pass

### Certification Summary Information Report

<b>Test Group</b>	VBMXJ02.0T4P	<b>Evaporative/Refueling Family</b>	VBMXR0120U11
<b>Test #</b>	<b>SBMX10087473</b>	<b>Test Procedure</b>	<b>32 - Federal Fuel Running Loss</b>
<b>Exhaust Test # for this Evap Test</b>	SBMX10087471	<b>Test Fuel Type</b>	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
<b>Test Date</b>	08/08/2024	<b>Fuel</b>	Gasoline
<b>Fuel Batch ID</b>	T10/87	<b>Fuel Calibration Number</b>	43
<b>Vehicle Class</b>	N/A	<b>DF Type</b>	Mfr. Determined
<b>Verify Test Lab ID</b>	EETZ Emissions Lab		
<b>E10 Evaporative Test Measurement Method</b>	Calculated (1.08 x FID Total Hydrocarbons)		
<b>Test Start Odometer Reading</b>	6322	<b>Odometer Units</b>	K
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	No		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	<b>Road Speed Fan Usage</b>	Yes

**Test Results**

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

**Manufacturer Test Comments**                      EVAP EDV - Running Loss, X1 xDrive28i

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	Add DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Evap	HC-TOTAL-EQUIV	0	0	0	0.05	Pass

### Certification Summary Information Report

<b>Test Group</b>	VBMXJ02.0T4P	<b>Evaporative/Refueling Family</b>	VBMXR0120U11
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**Emission Data Vehicle Information**

Vehicle ID / Configuration	5U31827 / 0	Manufacturer Vehicle Configuration Number	0
Original Test Group Name	PBMXT02.0B48	Original Evaporative/Refueling Family	PBMXR0120U11
Original Test Vehicle Model Year	2023		
<b>Vehicle Model</b>			
Represented Test Vehicle Make	BMW	Represented Test Vehicle Model	X1 xDrive28i

**Leak Family Details**

Leak Family Identifier	--	Leak Family Name	--
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**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	1	Odometer Correction Factor	1
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor		
Odometer Correction Units	Miles		
Engine Code	B48A2002U11X	Rated Horsepower	241
Displacement (liters)	2	Air Aspiration Method, if 'Other'	
Air Aspiration Method	Turbocharged	Air Aspiration Device Configuration	Single
Number of Air Aspiration Devices	1	Drive Mode While Testing	All Wheel Drive
Charge Air Cooler Type	Air	Aged Emission Components	4,000 (mi)
Shift Indicator Light Usage	Not equipped	Equivalent Test Weight (pounds)	4000
Curb Weight (lbs)	3750	N/V Ratio	26.9
GVWR (lbs)	4850		
Axle Ratio	3.94		
Transmission Type	Automated Manual- Selectable (e.g. Automated Manual with paddles)	# of Transmission Gears	7
Transmission Lockup	No	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	43	-0.008	0.02301	10	0.004	0.0211	13.4

### Certification Summary Information Report

<b>Test Group</b>	VBMXJ02.0T4P	<b>Evaporative/Refueling Family</b>	VBMXR0120U11
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**Emission Control Device Comments** --  
**Manufacturer Test Vehicle Comments** 5U31827\_00\_EDV\_EVAP\_X1 xDrive28i\_A\_ETW-4000\_RG30

<b>Test #</b>	<b>PBMX10075602</b>	<b>Test Procedure</b>	<b>23 - 2-day evap</b>
<b>Exhaust Test # for this Evap Test</b>	PBMX10075600	<b>Test Fuel Type</b>	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
<b>Test Date</b>	04/06/2022	<b>Fuel</b>	Gasoline
<b>Fuel Batch ID</b>	T10/87	<b>Fuel Calibration Number</b>	26
<b>Vehicle Class</b>	N/A	<b>DF Type</b>	Mfr. Determined
<b>Verify Test Lab ID</b>	EETZ Emissions Lab		
<b>E10 Evaporative Test Measurement Method</b>	Calculated (1.08 x FID Total Hydrocarbons)		
<b>Test Start Odometer Reading</b>	3539	<b>Odometer Units</b>	K
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	--		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	<b>Road Speed Fan Usage</b>	--

**Test Results**

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
<b>HC-TOTAL (Total Hydrocarbon)</b>	0.175369	--
<b>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</b>	0.189398	--

**Manufacturer Test Comments** 00\_X1 xDrive28i\_2-day\_EDV\_MY23

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	0.1894	0	0.189	0.3	Pass

### Certification Summary Information Report

<b>Test Group</b>	VBMXJ02.0T4P	<b>Evaporative/Refueling Family</b>	VBMXR0120U11
<b>Test #</b>	<b>PBMX10075859</b>	<b>Test Procedure</b>	<b>24 - Federal fuel refueling test (ORVR)</b>
<b>Exhaust Test # for this Evap Test</b>	PBMX10075858	<b>Test Fuel Type</b>	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
<b>Test Date</b>	06/14/2022	<b>Fuel</b>	Gasoline
<b>Fuel Batch ID</b>	T10/87	<b>Fuel Calibration Number</b>	26
<b>Vehicle Class</b>	N/A	<b>DF Type</b>	Mfr. Determined
<b>Verify Test Lab ID</b>	EETZ Emissions Lab		
<b>E10 Evaporative Test Measurement Method</b>	Calculated (1.08 x FID Total Hydrocarbons)		
<b>Test Start Odometer Reading</b>	3685	<b>Odometer Units</b>	K
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	No		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	<b>Road Speed Fan Usage</b>	Yes

**Test Results**

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
HC (Hydrocarbon for Running Loss and ORVR)	0.10044	--

**Manufacturer Test Comments**                      EVAP EDV, ORVR, X1 xDrive28i, MY23

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	0.1	0	0.1	0.2	Pass

### Certification Summary Information Report

<b>Test Group</b>	VBMXJ02.0T4P	<b>Evaporative/Refueling Family</b>	VBMXR0120U11
<b>Test #</b>	<b>PBMX10075679</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>	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
<b>Test Date</b>	03/02/2022	<b>Fuel</b>	Gasoline
<b>Fuel Batch ID</b>	T10/87	<b>Fuel Calibration Number</b>	26
<b>Vehicle Class</b>	N/A	<b>DF Type</b>	Mfr. Determined
<b>Verify Test Lab ID</b>	EETZ Emissions Lab		
<b>E10 Evaporative Test Measurement Method</b>	Calculated (1.08 x FID Total Hydrocarbons)		
<b>Test Start Odometer Reading</b>	0	<b>Odometer Units</b>	K
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	No	<b>Road Speed Fan Usage</b>	Yes
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)		

**Test Results**

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
<b>HC-TOTAL (Total Hydrocarbon)</b>	0.01395	--
<b>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</b>	0.015066	--

**Manufacturer Test Comments**                      BLEED\_5U31827\_00\_EDV\_EVAP\_X1 xDrive28i\_A\_ETW-4000\_RG30 – tested with a stick car

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	0.0151	0	0.015	0.02	Pass

### Certification Summary Information Report

<b>Test Group</b>	VBMXJ02.0T4P	<b>Evaporative/Refueling Family</b>	VBMXR0120U11
<b>Test #</b>	<b>PBMX10075680</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>	04/14/2022	<b>Fuel</b>	Gasoline
<b>Fuel Batch ID</b>	T10/87	<b>Fuel Calibration Number</b>	26
<b>Vehicle Class</b>	N/A	<b>DF Type</b>	Mfr. Determined
<b>Verify Test Lab ID</b>	EETZ Emissions Lab		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	3569	<b>Odometer Units</b>	K
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	--		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	<b>Road Speed Fan Usage</b>	Yes

**Test Results**

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value
LEAK-DIA (Effective Leak Diameter (inches))	0.013	--

**Manufacturer Test Comments** LEAK\_5U31827\_00\_EDV\_EVAP\_X1 xDrive28i\_A\_ETW-4000\_RG30

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	0.013	0	0.01	0.02	Pass

## Certification Summary Information Report

Test Group	VBMXJ02.0T4P	Evaporative/Refueling Family	VBMXR0120U11						
<b>Emission Data Vehicle Information</b>									
Vehicle ID / Configuration	7R43670 / 0	Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	TBMXJ02.0T4P	Original Evaporative/Refueling Family	TBMXR0120U11						
Original Test Vehicle Model Year	2026								
<b>Vehicle Model</b>									
Represented Test Vehicle Make	Mini	Represented Test Vehicle Model	JCW Countryman ALL4						
<b>Leak Family Details</b>									
Leak Family Identifier	--	Leak Family Name	--						
<b>Drive Sources and Fuel System Details</b>									
	<table border="1"> <thead> <tr> <th>Drive Source and Fuel#</th> <th>Drive Source</th> <th>Fuel</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Combustion Engine</td> <td>Gasoline</td> </tr> </tbody> </table>			Drive Source and Fuel#	Drive Source	Fuel	1	Combustion Engine	Gasoline
Drive Source and Fuel#	Drive Source	Fuel							
1	Combustion Engine	Gasoline							
Hybrid Indicator	No								
Multiple Fuel Storage	--	Multiple Fuel Combustion	--						
Fuel Cell Indicator	--	Rechargeable Energy Storage System Indicator	--						
Rechargeable Energy Storage System	--	Rechargeable Energy Storage System, if 'Other'	--						
Off-board charge Capable Indicator	--								
Odometer Correction -- Initial	1	Odometer Correction Factor	1						
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor								
Odometer Correction Units	Miles								
Engine Code	B48A20T2U25X	Rated Horsepower	312						
Displacement (liters)	2								
Air Aspiration Method	Turbocharged	Air Aspiration Method, if 'Other'							
Number of Air Aspiration Devices	1	Air Aspiration Device Configuration	Single						
Charge Air Cooler Type	Air	Drive Mode While Testing	All Wheel Drive						
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)						
Curb Weight (lbs)	3836	Equivalent Test Weight (pounds)	4250						
GVWR (lbs)	4960	N/V Ratio	31.5						
Axle Ratio	3.94								
Transmission Type	Automated Manual- Selectable (e.g. Automated Manual with paddles)	# of Transmission Gears	7						
Transmission Lockup	No	Creep Gear	No						

## Certification Summary Information Report

Test Group		VBMXJ02.0T4P			Evaporative/Refueling Family			VBMXR0120U11
<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	44.6	0.019	0.02529	11.6	0.036	0.02339	14.5	
Cold CO	49	0.021	0.02782	0.1	-0.175	0.02677	N/A	
US06	44.6	0.019	0.02529	11.6	0.036	0.02339	N/A	
Emission Control Device Comments	--							
Manufacturer Test Vehicle Comments	vi_7R43670_00_EDV_JCW Countryman ALL4_A_ETW-4250_RG30							

## Certification Summary Information Report

<b>Test Group</b>	VBMXJ02.0T4P	<b>Evaporative/Refueling Family</b>	VBMXR0120U11
<b>Test #</b>	<b>TBMX10090699</b>	<b>Test Procedure</b>	<b>31 - Federal fuel 3-day exhaust</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>	02/27/2025	<b>Fuel</b>	Gasoline
<b>Fuel Batch ID</b>	T10/87	<b>Fuel Calibration Number</b>	58
<b>Vehicle Class</b>	LDV/Passenger Car	<b>DF Type</b>	Mfr. Determined
<b>Verify Test Lab ID</b>	EETZ Emissions Lab		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	3562	<b>Odometer Units</b>	K
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	No		
<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)	433.1482	--
FE BAG 1 (Bag 1 Fuel Economy)	19.9	19.9
CO2 BAG 2 (Bag 2 Carbon Dioxide)	469.4966	--
FE BAG 2 (Bag 2 Fuel Economy)	18.4	18.4
CO2 BAG 3 (Bag 3 Carbon Dioxide)	387.2077	--
FE BAG 3 (Bag 3 Fuel Economy)	22.3	22.3
METHANE (CH4 - Methane)	0.00101	--
CO (Carbon Monoxide)	0.0667	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.845	--
DT-EER (Drive Trace Energy Economy Rating)	-1.043	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-1.725	--
MFR FE (Manufacturer Fuel Economy)	19.7	19.7
NOX (Nitrogen Oxide)	0.00856	--
N2O (Nitrous Oxide)	0.00059	--
HC-NM (Non-methane Hydrocarbon)	0.00773	--
NMOG (Non-methane organic gases)	0.00851	--
PM (Particulate Matter)	0.000309	--
HC-TOTAL (Total Hydrocarbon)	0.00869	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	439	999

## Certification Summary Information Report

Test Group		VBMXJ02.0T4P		Evaporative/Refueling Family				VBMXR0120U11				
Test Result Name		Unrounded Test Result		Verify Calculated CO2								
Carbon dioxide		439.3383		--								
Manufacturer Test Comments		01_FTP_7R43670_00_EDV_JCW Countryman ALL4_A_ETW-4250_RG30_Sport_S_off										
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	Other	CREE	999	--	--	--	0.1	--	999	--	--
Fed	120,000 miles	Other	METHANE	0.001	--	--	--	0.0003	--	0.001	0.030	Pass
Fed	120,000 miles	Other	N2O	0.0006	--	--	--	0.0001	--	0.001	0.010	Pass
Fed	150,000 miles	Other	CO	0.07	--	--	--	0.05	--	0.1	1.7	Pass
Fed	150,000 miles	Other	CO-COMP	0.15	--	--	--	--	--	0.2	4.2	Pass
Fed	150,000 miles	Other	NMOG	0.0085	--	1.1	--	0.004	--	0.012	999.999	Pass
Fed	150,000 miles	Other	NMOG+NOX	0.0171	--	--	--	--	--	0.024	0.050	Pass
Fed	150,000 miles	Other	NMOG+NOX-COMP	0.0177	--	--	--	--	--	0.018	0.070	Pass
Fed	150,000 miles	Other	NOX	0.0086	--	--	--	0.0031	--	0.012	999.999	Pass
Fed	150,000 miles	Other	PM	0.0003	--	--	--	0	--	0	0.003	Pass
NOTE: For Non-charge depleting tests, the Rounded Result for CREE/OPT-CREE Emission names are Verify-calculated values.												

## Certification Summary Information Report

<b>Test Group</b>	VBMXJ02.0T4P	<b>Evaporative/Refueling Family</b>	VBMXR0120U11
<b>Test #</b>	<b>TBMX10090704</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>	03/14/2025	<b>Fuel</b>	Gasoline
<b>Fuel Batch ID</b>	COE10	<b>Fuel Calibration Number</b>	56
<b>Vehicle Class</b>	LDV/Passenger Car	<b>DF Type</b>	Mfr. Determined
<b>Verify Test Lab ID</b>	EETZ Emissions Lab		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	3890	<b>Odometer Units</b>	K
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	No		
<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)	521.5595	--
FE BAG 1 (Bag 1 Fuel Economy)	16.5	16.5
CO2 BAG 2 (Bag 2 Carbon Dioxide)	507.4142	--
FE BAG 2 (Bag 2 Fuel Economy)	17	17
CO2 BAG 3 (Bag 3 Carbon Dioxide)	418.1849	--
FE BAG 3 (Bag 3 Fuel Economy)	20.6	20.6
METHANE (CH4 - Methane)	0.00285	--
CO (Carbon Monoxide)	0.1857	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.268	--
DT-EER (Drive Trace Energy Economy Rating)	-0.175	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.229	--
MFR FE (Manufacturer Fuel Economy)	17.7	17.7
HC-NM (Non-methane Hydrocarbon)	0.02093	--
HC-TOTAL (Total Hydrocarbon)	0.0236	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	485.779	--

## Manufacturer Test Comments

06\_FTFCOLD\_7R43670\_00\_EDV\_JCW Countryman ALL4\_A\_ETW-4250\_RG30\_Sport\_S\_off

### Certification Summary Information Report

<b>Test Group</b>	VBMXJ02.0T4P	Evaporative/Refueling Family	VBMXR0120U11
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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	Other	CO	0.19	--	--	--	0.01	--	0.2	10.0	Pass
Fed	120,000 miles	Other	HC-NM	0.02	--	--	--	0	--	0	0.3	Pass

### Certification Summary Information Report

<b>Test Group</b>	VBMXJ02.0T4P	<b>Evaporative/Refueling Family</b>	VBMXR0120U11
<b>Test #</b>	<b>TBMX10090700</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>	02/27/2025	<b>Fuel</b>	Gasoline
<b>Fuel Batch ID</b>	T10/87	<b>Fuel Calibration Number</b>	58
<b>Vehicle Class</b>	LDV/Passenger Car	<b>DF Type</b>	Mfr. Determined
<b>Verify Test Lab ID</b>	EETZ Emissions Lab		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	3580	<b>Odometer Units</b>	K
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	No		
<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)	0.00054	--
CO (Carbon Monoxide)	0.0465	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.282	--
DT-EER (Drive Trace Energy Economy Rating)	-0.457	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.242	--
MFR FE (Manufacturer Fuel Economy)	32.9	32.9
NOX (Nitrogen Oxide)	0.00164	--
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	263	999

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	263.2628	--

**Manufacturer Test Comments**                      02\_HWFET\_7R43670\_00\_EDV\_JCW Countryman ALL4\_A\_ETW-4250\_RG30\_Sport\_S\_off

## Certification Summary Information Report

Test Group		VBMXJ02.0T4P				Evaporative/Refueling Family				VBMXR0120U11		
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	Other	CREE	999	--	--	--	0.1	--	999	--	--
Fed	150,000 miles	Other	NMOG	0	--	1.03	--	0.004	--	0.004	999.999	Pass
Fed	150,000 miles	Other	NMOG+NOX	0.0016	--	--	--	--	--	0.009	0.050	Pass
Fed	150,000 miles	Other	NOX	0.0016	--	--	--	0.0031	--	0.005	999.999	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>	VBMXJ02.0T4P	<b>Evaporative/Refueling Family</b>	VBMXR0120U11
<b>Test #</b>	<b>TBMX10090701</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>	02/27/2025	<b>Fuel</b>	Gasoline
<b>Fuel Batch ID</b>	T10/87	<b>Fuel Calibration Number</b>	58
<b>Vehicle Class</b>	LDV/Passenger Car	<b>DF Type</b>	Mfr. Determined
<b>Verify Test Lab ID</b>	EETZ Emissions Lab		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	3613	<b>Odometer Units</b>	K
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	No		
<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>CO2 BAG 1 (Bag 1 Carbon Dioxide)</b>	591.9676	--
<b>FE BAG 1 (Bag 1 Fuel Economy)</b>	14.6	14.6
<b>CO2 BAG 2 (Bag 2 Carbon Dioxide)</b>	318.4049	--
<b>FE BAG 2 (Bag 2 Fuel Economy)</b>	27.2	27.2
<b>METHANE (CH4 - Methane)</b>	0.00096	--
<b>CO (Carbon Monoxide)</b>	0.1873	--
<b>DT-ASCR (Drive Trace Absolute Speed Change Rating)</b>	-2.197	--
<b>DT-EER (Drive Trace Energy Economy Rating)</b>	-1.587	--
<b>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</b>	-3.958	--
<b>MFR FE (Manufacturer Fuel Economy)</b>	22.8	22.8
<b>NOX (Nitrogen Oxide)</b>	0.00481	--
<b>HC-NM (Non-methane Hydrocarbon)</b>	0.00103	--
<b>NMOG (Non-methane organic gases)</b>	0.00106	--
<b>PM (Particulate Matter)</b>	0.000831	--
<b>HC-TOTAL (Total Hydrocarbon)</b>	0.00196	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
<b>Carbon dioxide</b>	379.1131	--

**Manufacturer Test Comments**                      03\_US06\_7R43670\_00\_EDV\_JCW Countryman ALL4\_A\_ETW-4250\_RG30\_Sport\_S\_off

### Certification Summary Information Report

<b>Test Group</b>	VBMXJ02.0T4P	Evaporative/Refueling Family	VBMXR0120U11
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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	Other	CO	0.1873	--	--	--	0.05	--	0.237	999.999	Pass
Fed	150,000 miles	Other	NMOG	0.0011	--	1.03	--	0.004	--	0.005	999.999	Pass
Fed	150,000 miles	Other	NOX	0.0048	--	--	--	0.0031	--	0.008	999.999	Pass
Fed	150,000 miles	Other	PM	0.0008	--	--	--	0	--	0.001	0.006	Pass

### Certification Summary Information Report

<b>Test Group</b>	VBMXJ02.0T4P	<b>Evaporative/Refueling Family</b>	VBMXR0120U11
<b>Test #</b>	<b>TBMX10090702</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>	03/25/2025	<b>Fuel</b>	Gasoline
<b>Fuel Batch ID</b>	T10/87	<b>Fuel Calibration Number</b>	58
<b>Vehicle Class</b>	LDV/Passenger Car	<b>DF Type</b>	Mfr. Determined
<b>Verify Test Lab ID</b>	EETZ Emissions Lab		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	4229	<b>Odometer Units</b>	K
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	No		
<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)	0.00209	--
CO (Carbon Monoxide)	0.0654	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-2.183	--
DT-EER (Drive Trace Energy Economy Rating)	-1.953	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-1.97	--
MFR FE (Manufacturer Fuel Economy)	17.4	17.4
NOX (Nitrogen Oxide)	0.00645	--
HC-NM (Non-methane Hydrocarbon)	0.00149	--
NMOG (Non-methane organic gases)	0.00153	--
HC-TOTAL (Total Hydrocarbon)	0.00353	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	496.1458	--

**Manufacturer Test Comments**                      04\_SC03\_7R43670\_00\_EDV\_JCW Countryman ALL4\_A\_ETW-4250\_RG30\_Sport\_S\_off

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification		Pass/Fail
										Level	Standard	
Fed	150,000 miles	Other	CO	0.0654	--	--	--	0.05	--	0.115	999.999	Pass
Fed	150,000 miles	Other	NMOG	0.0015	--	1.03	--	0.004	--	0.006	999.999	Pass
Fed	150,000 miles	Other	NOX	0.0064	--	--	--	0.0031	--	0.01	999.999	Pass

### Certification Summary Information Report

<b>Test Group</b>	VBMXJ02.0T4P	<b>Evaporative/Refueling Family</b>	VBMXR0120U11
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**Emission Data Vehicle Information**

<b>Vehicle ID / Configuration</b>	7R43670 / 1	<b>Manufacturer Vehicle Configuration Number</b>	0
<b>Original Test Group Name</b>	TBMXJ02.0T4P	<b>Original Evaporative/Refueling Family</b>	TBMXR0120U11
<b>Original Test Vehicle Model Year</b>	2026		
<b>Vehicle Model</b>			
<b>Represented Test Vehicle Make</b>	Mini	<b>Represented Test Vehicle Model</b>	JCW Countryman ALL4

**Leak Family Details**

<b>Leak Family Identifier</b>	--	<b>Leak Family Name</b>	--
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**Drive Sources and Fuel System Details**

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

<b>Hybrid Indicator</b>	No	<b>Multiple Fuel Combustion</b>	--
<b>Multiple Fuel Storage</b>	--	<b>Rechargeable Energy Storage System Indicator</b>	--
<b>Fuel Cell Indicator</b>	--	<b>Rechargeable Energy Storage System, if 'Other'</b>	--
<b>Rechargeable Energy Storage System</b>	--		
<b>Off-board charge Capable Indicator</b>	--		
<b>Odometer Correction -- Initial</b>	1	<b>Odometer Correction Factor</b>	1
<b>Odometer Correction Sign</b>	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor		
<b>Odometer Correction Units</b>	Miles		
<b>Engine Code</b>	B48A20T2U25X	<b>Rated Horsepower</b>	312
<b>Displacement (liters)</b>	2	<b>Air Aspiration Method, if 'Other'</b>	
<b>Air Aspiration Method</b>	Turbocharged	<b>Air Aspiration Device Configuration</b>	Single
<b>Number of Air Aspiration Devices</b>	1	<b>Drive Mode While Testing</b>	All Wheel Drive
<b>Charge Air Cooler Type</b>	Air	<b>Aged Emission Components</b>	4,000 (mi)
<b>Shift Indicator Light Usage</b>	Not equipped	<b>Equivalent Test Weight (pounds)</b>	4250
<b>Curb Weight (lbs)</b>	3836	<b>N/V Ratio</b>	31.5
<b>GVWR (lbs)</b>	4960		
<b>Axle Ratio</b>	3.94		
<b>Transmission Type</b>	Automated Manual- Selectable (e.g. Automated Manual with paddles)	<b># of Transmission Gears</b>	7
<b>Transmission Lockup</b>	No	<b>Creep Gear</b>	No

## Certification Summary Information Report

Test Group		VBMXJ02.0T4P			Evaporative/Refueling Family			VBMXR0120U11
<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	44.6	0.019	0.02496	12.9	-0.004	0.02347	14.4	
US06	44.6	0.019	0.02496	12.9	-0.004	0.02347	N/A	
Emission Control Device Comments	--							
Manufacturer Test Vehicle Comments	vi_7R43670_01_FEDV_JCW Countryman ALL4_A_ETW-4250_RG33							

## Certification Summary Information Report

<b>Test Group</b>	VBMXJ02.0T4P	<b>Evaporative/Refueling Family</b>	VBMXR0120U11
<b>Test #</b>	<b>TBMX10090716</b>	<b>Test Procedure</b>	<b>31 - Federal fuel 3-day exhaust</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	61 - Tier 2 Cert Gasoline
<b>Test Date</b>	03/18/2025	<b>Fuel</b>	Gasoline
<b>Fuel Batch ID</b>	T2/E0	<b>Fuel Calibration Number</b>	57
<b>Vehicle Class</b>	LDV/Passenger Car	<b>DF Type</b>	Mfr. Determined
<b>Verify Test Lab ID</b>	EETZ Emissions Lab		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	3963	<b>Odometer Units</b>	K
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	No		
<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)	324.4997	--
FE BAG 1 (Bag 1 Fuel Economy)	26.9	26.9
CO2 BAG 2 (Bag 2 Carbon Dioxide)	313.8025	--
FE BAG 2 (Bag 2 Fuel Economy)	27.9	27.9
CO2 BAG 3 (Bag 3 Carbon Dioxide)	285.0719	--
FE BAG 3 (Bag 3 Fuel Economy)	30.7	30.7
METHANE (CH4 - Methane)	0.00197	--
CO (Carbon Monoxide)	0.232	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-1.724	--
DT-EER (Drive Trace Energy Economy Rating)	-1.633	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-2.86	--
MFR FE (Manufacturer Fuel Economy)	28.4	28.4
NOX (Nitrogen Oxide)	0.00273	--
N2O (Nitrous Oxide)	0.00027	--
HC-NM (Non-methane Hydrocarbon)	0.01028	--
NMOG (Non-methane organic gases)	0.01069	--
HC-TOTAL (Total Hydrocarbon)	0.0122	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	308	308

### Certification Summary Information Report

<b>Test Group</b>	VBMXJ02.0T4P	<b>Evaporative/Refueling Family</b>	VBMXR0120U11
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<b>Test Result Name</b>	<b>Unrounded Test Result</b>	<b>Verify Calculated CO2</b>
Carbon dioxide	308.1194	--

**Manufacturer Test Comments**                      01\_FTP\_7R43670\_01\_FEDV\_JCW Countryman ALL4\_A\_ETW-4250\_RG33\_default mode\_D\_on

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	Other	CREE	308	--	--	--	0.1	--	308	--	--
Fed	120,000 miles	Other	METHANE	0.002	--	--	--	0.0003	--	0.002	0.030	Pass
Fed	120,000 miles	Other	N2O	0.0003	--	--	--	0.0001	--	0	0.010	Pass
Fed	150,000 miles	Other	CO	0.23	--	--	--	0.05	--	0.3	1.7	Pass
Fed	150,000 miles	Other	NMOG	0.0107	--	1.1	--	0.004	--	0.015	999.999	Pass
Fed	150,000 miles	Other	NMOG+NOX	0.0134	--	--	--	--	--	0.02	0.050	Pass
Fed	150,000 miles	Other	NOX	0.0027	--	--	--	0.0031	--	0.006	999.999	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>	VBMXJ02.0T4P	<b>Evaporative/Refueling Family</b>	VBMXR0120U11
<b>Test #</b>	<b>TBMX10090717</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>	03/18/2025	<b>Fuel</b>	Gasoline
<b>Fuel Batch ID</b>	T2/E0	<b>Fuel Calibration Number</b>	57
<b>Vehicle Class</b>	LDV/Passenger Car	<b>DF Type</b>	Mfr. Determined
<b>Verify Test Lab ID</b>	EETZ Emissions Lab		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	3981	<b>Odometer Units</b>	K
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	No		
<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	--
<b>CO (Carbon Monoxide)</b>	0.0274	--
<b>DT-ASCR (Drive Trace Absolute Speed Change Rating)</b>	-1.347	--
<b>DT-EER (Drive Trace Energy Economy Rating)</b>	-0.582	--
<b>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</b>	-1.796	--
<b>MFR FE (Manufacturer Fuel Economy)</b>	42.5	42.5
<b>NOX (Nitrogen Oxide)</b>	0.00228	--
<b>HC-NM (Non-methane Hydrocarbon)</b>	0.00029	--
<b>NMOG (Non-methane organic gases)</b>	0.00029	--
<b>HC-TOTAL (Total Hydrocarbon)</b>	0.00029	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
<b>Carbon-Related Exhaust Emissions</b>	206	206

Test Result Name	Unrounded Test Result	Verify Calculated CO2
<b>Carbon dioxide</b>	205.9894	--

## Manufacturer Test Comments

02\_HWFET\_7R43670\_01\_FEDV\_JCW Countryman ALL4\_A\_ETW-4250\_RG33\_default mode\_D\_on

## Certification Summary Information Report

Test Group		VBMXJ02.0T4P				Evaporative/Refueling Family				VBMXR0120U11		
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	Other	CREE	206	--	--	--	0.1	--	206	--	--
Fed	150,000 miles	Other	NMOG	0.0003	--	1.03	--	0.004	--	0.004	999.999	Pass
Fed	150,000 miles	Other	NMOG+NOX	0.0026	--	--	--	--	--	0.01	0.050	Pass
Fed	150,000 miles	Other	NOX	0.0023	--	--	--	0.0031	--	0.005	999.999	Pass

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

## Certification Summary Information Report

Test Group	VBMXJ02.0T4P	Evaporative/Refueling Family	VBMXR0120U11
<b>Fuel Properties</b>			
<b>Fuel Batch ID</b>	<b>T10/87</b>	<b>Fuel Calibration Number</b>	<b>58</b>
<b>Test Fuel Type</b>	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)	<b>Fuel Batch Calibration Date</b>	06/25/2024
<b>Fuel Batch Calibration Effective Date</b>	01/22/2025	<b>Fuel Batch Calibration Ineffective Date</b>	--
<b>Carbon Weight Fraction NMHC</b>	--	<b>Carbon Weight Fraction HC</b>	--
<b>Exhaust Carbon Weight Fraction</b>	0.827	<b>Fuel Methanol Volume Fraction</b>	--
<b>Fuel Density (grams/cubic ft)</b>	--	<b>Fuel Specific Gravity</b>	0.745
<b>Fuel Ethanol Volume Percent (%)</b>	9.7	<b>Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)</b>	17975
<b>Fuel Net Heat of Combustion (E10) (MJ/kg)</b>	--	<b>Fuel Carbon Mass Fraction (E10)</b>	--
<b>Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)</b>	0.827	<b>Weight Fraction CO2</b>	--
<b>Fuel Batch ID</b>	<b>T10/87</b>	<b>Fuel Calibration Number</b>	<b>26</b>
<b>Test Fuel Type</b>	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)	<b>Fuel Batch Calibration Date</b>	10/21/2021
<b>Fuel Batch Calibration Effective Date</b>	11/04/2021	<b>Fuel Batch Calibration Ineffective Date</b>	--
<b>Carbon Weight Fraction NMHC</b>	--	<b>Carbon Weight Fraction HC</b>	--
<b>Exhaust Carbon Weight Fraction</b>	0.825	<b>Fuel Methanol Volume Fraction</b>	--
<b>Fuel Density (grams/cubic ft)</b>	--	<b>Fuel Specific Gravity</b>	0.745
<b>Fuel Ethanol Volume Percent (%)</b>	9.4	<b>Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)</b>	18229
<b>Fuel Net Heat of Combustion (E10) (MJ/kg)</b>	--	<b>Fuel Carbon Mass Fraction (E10)</b>	--
<b>Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)</b>	0.825	<b>Weight Fraction CO2</b>	--
<b>Fuel Batch ID</b>	<b>COE10</b>	<b>Fuel Calibration Number</b>	<b>56</b>
<b>Test Fuel Type</b>	28 - Cold CO E10 Regular Gasoline (Tier 3)	<b>Fuel Batch Calibration Date</b>	05/17/2024
<b>Fuel Batch Calibration Effective Date</b>	07/30/2024	<b>Fuel Batch Calibration Ineffective Date</b>	--
<b>Carbon Weight Fraction NMHC</b>	--	<b>Carbon Weight Fraction HC</b>	--
<b>Exhaust Carbon Weight Fraction</b>	0.826	<b>Fuel Methanol Volume Fraction</b>	--
<b>Fuel Density (grams/cubic ft)</b>	--	<b>Fuel Specific Gravity</b>	0.744
<b>Fuel Ethanol Volume Percent (%)</b>	9.8	<b>Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)</b>	18001
<b>Fuel Net Heat of Combustion (E10) (MJ/kg)</b>	--	<b>Fuel Carbon Mass Fraction (E10)</b>	--
<b>Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)</b>	0.826	<b>Weight Fraction CO2</b>	--
<b>Fuel Batch ID</b>	<b>T10/87</b>	<b>Fuel Calibration Number</b>	<b>43</b>
<b>Test Fuel Type</b>	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)	<b>Fuel Batch Calibration Date</b>	11/27/2023
<b>Fuel Batch Calibration Effective Date</b>	02/27/2024	<b>Fuel Batch Calibration Ineffective Date</b>	--

## Certification Summary Information Report

Test Group	VBMXJ02.0T4P	Evaporative/Refueling Family	VBMXR0120U11
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	0.827	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.746
Fuel Ethanol Volume Percent (%)	9.8	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17962
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.827	Weight Fraction CO2	--
Fuel Batch ID	T2/E0	Fuel Calibration Number	57
Test Fuel Type	61 - Tier 2 Cert Gasoline	Fuel Batch Calibration Date	11/26/2024
Fuel Batch Calibration Effective Date	12/11/2024	Fuel Batch Calibration Ineffective Date	--
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	0.862	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.737
Fuel Ethanol Volume Percent (%)	--	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	18727
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.862	Weight Fraction CO2	--

### Certification Summary Information Report

<b>Test Group</b>	VBMXJ02.0T4P	<b>Evaporative/Refueling Family</b>	VBMXR0120U11
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#### Consolidated List of Standards

**Exhaust Standards**

<b>Cert Region</b>	Federal	<b>Cert/In-Use Code</b>	Cert
<b>Vehicle Class</b>	LDV/Passenger Car	<b>Standard Level</b>	Other
<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	--	--	0.05	999.999
150,000 miles	NMOG	--	--	1.03	0	--	--	0.004	999.999
150,000 miles	NOX	--	--	--	0	--	--	0.0031	999.999
150,000 miles	PM	--	--	--	0	--	--	0	0.006

<b>Cert Region</b>	Federal	<b>Cert/In-Use Code</b>	Cert
<b>Vehicle Class</b>	LDV/Passenger Car	<b>Standard Level</b>	Other
<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	--	--	0.05	999.999
150,000 miles	NMOG	--	--	1.03	0	--	--	0.004	999.999
150,000 miles	NOX	--	--	--	0	--	--	0.0031	999.999

### Certification Summary Information Report

<b>Test Group</b>		VBMXJ02.0T4P			<b>Evaporative/Refueling Family</b>			VBMXR0120U11		
<b>Cert Region</b>		Federal			<b>Cert/In-Use Code</b>			Cert		
<b>Vehicle Class</b>		LDV/Passenger Car			<b>Standard Level</b>			Other		
<b>Fuel</b>		Gasoline			<b>Test Procedure</b>			Federal fuel 3-day exhaust		
<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	--	--	--	--	--	--	0.1	999	
120,000 miles	METHANE	--	--	--	--	--	--	0.0003	0.030	
120,000 miles	N2O	--	--	--	--	--	--	0.0001	0.010	
150,000 miles	CO	--	--	--	0	--	--	0.05	1.7	
150,000 miles	CO-COMP	--	--	--	--	--	--	--	4.2	
150,000 miles	HCHO	--	--	--	--	--	--	--	0.004	
150,000 miles	NMOG	--	--	1.1	0	--	--	0.004	999.999	
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.050	
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	--	0.070	
150,000 miles	NOX	--	--	--	0	--	--	0.0031	999.999	
150,000 miles	PM	--	--	--	0	--	--	0	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>			Other		
<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	--	--	--	--	--	--	0.1	999	
150,000 miles	NMOG	--	--	1.03	0	--	--	0.004	999.999	
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.050	
150,000 miles	NOX	--	--	--	0	--	--	0.0031	999.999	

### Certification Summary Information Report

<b>Test Group</b>	VBMXJ02.0T4P	<b>Evaporative/Refueling Family</b>	VBMXR0120U11
<b>Cert Region</b>	Federal	<b>Cert/In-Use Code</b>	Cert
<b>Vehicle Class</b>	LDV/Passenger Car	<b>Standard Level</b>	Other
<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
120,000 miles	CREE	--	--	--	--	--	--	0.1	999
120,000 miles	METHANE	--	--	--	--	--	--	0.0003	0.030
120,000 miles	N2O	--	--	--	--	--	--	0.0001	0.010
150,000 miles	CO	--	--	--	0	--	--	0.05	1.7
150,000 miles	CO-COMP	--	--	--	--	--	--	--	4.2
150,000 miles	HCHO	--	--	--	--	--	--	--	0.004
150,000 miles	NMOG	--	--	1.1	0	--	--	0.004	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	1	--	0.050
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	--	0.070
150,000 miles	NOX	--	--	--	0	--	--	0.0031	999.999
150,000 miles	PM	--	--	--	0	--	--	0	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>	Other
<b>Fuel</b>	Gasoline	<b>Test Procedure</b>	Cold CO

  

Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
50,000 miles	CO	--	--	--	0	--	--	0.01	10.0
120,000 miles	HC-NM	--	--	--	--	--	--	0	0.3

**Evaporative/Refueling Standards**

<b>Evaporative/Refueling Family</b>	VBMXR0120U11	<b>Cert Region</b>	Federal
<b>Cert/In-Use Code</b>	Cert	<b>Standard Level</b>	Federal Tier 3 Evap
<b>Test Procedure</b>	2-day evap		

  

Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.300	0

### Certification Summary Information Report

<b>Test Group</b>	VBMXJ02.0T4P	<b>Evaporative/Refueling Family</b>	VBMXR0120U11		
<b>Evaporative/Refueling Family</b>	VBMXR0120U11	<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	--	0.20	0
<b>Evaporative/Refueling Family</b>	VBMXR0120U11	<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 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>	VBMXR0120U11	<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 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
<b>Evaporative/Refueling Family</b>	VBMXR0120U11	<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-EQUIV	--	0.020	0
<b>Evaporative/Refueling Family</b>	VBMXR0120U11	<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	--	0.02	0

## Certification Summary Information Report

Test Group	VBMXJ02.0T4P	Evaporative/Refueling Family	VBMXR0120U11
<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)		

## Certification Summary Information Report

Test Group	VBMXJ02.0T4P	Evaporative/Refueling Family		VBMXR0120U11
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		VBMXJ02.0T4P	Evaporative/Refueling Family		VBMXR0120U11
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	