

Application For Certification

Part1

Individual application for 2027 Model Year

Durability Group	VNSXGPGNNAAR
Evaporative / Refueling Families	VNSXR0128PKA (Federal LDV / California PC) VNSXR0128PLA (Federal LDT2 / California LDT2)
Test Group	VNSXJ01.5G3F
Durability Group Description	Four Stroke, Otto Cycle, Gasoline Fueled, DFI Three Way Catalyst
Test Group Description	1.5 Liter L3 Federal LDV / California PC Federal LDT2 / California LDT2
Exhaust Emission Standard	Federal Interim Tier 4 Bin 30 (Tier 3 Compliant, 150K UL) (LDV) / California LEV-IV SULEV30 (PC) Federal Interim Tier 4 Bin 30 (Tier 3 Compliant) (LDT2) / California LEV-IV SULEV30 (LDT2)
Evaporative Emission Standard	Federal Tier 3 Evap / California LEV-IV Zero Evap (Option 2)
Vehicles Covered	NISSAN ROGUE FWD (50 States) NISSAN ROGUE AWD (50 States) NISSAN ROGUE AWD ROCK CREEK (50 States)
Vehicles Run	CTCU04-00 (FTP-E10 TN: VNSX10094502) CTCU04-00 (HWFE-E10 TN: VNSX10094331) CTCU04-00 (Cold CO-E10 TN: VNSX10094334) CTCU04-00 (US06-E10 TN: VNSX10094332) CTCU04-00 (SC03-E10 TN: VNSX10094333) CTCU04-00 (50F-E10 TN: VNSX10094335) CTCU04-00 (Quick Drive-Away-E10 TN: VNSX10094330) CTB527-00 (Evap 3day-E10 TN: MNSX10067326) CTB527-00 (Evap 2day-E10 TN: MNSX10067315) CTB527-01 (ORVR-E10 TN: MNSX10067313) CTB527-00 (Running Loss-E10 TN: MNSX10067325)
Issue Date	July 13, 2026
Response Requested By	September 7, 2026
For Questions, Contact	Takuma Okamoto Telephone No. 248-488-4654

NISSAN MOTOR CO., LTD.

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Part1
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	(5) Summary Information for Vehicle values for ZEV		This Model is not applied.
	(6) List of 50F and PM emission test groups	X	
	(7) Attestation		X
	(8) Supplemental Information		
	(a) Road Load	X	
	(9) Information for § 1962.4. ZEV Requirements		This Model is not applied.

SEC5

5. Test Group Description

Test Group Name	Engine Disp. (L)	Arrangement and No. of Cylinder	Vehicle Class	Emission St'd Class	Applicable Emission St'd
VNSXJ01.5G3F	1.5	Inline	/ 3 Federal LDV / California PC Federal LDT2 / California LDT2	Federal Interim Tier 4 Bin 30 (Tier 3 Compliant, 150K UL) (LDV) / California LEV-IV SULEV30 (PC) Federal Interim Tier 4 Bin 30 (Tier 3 Compliant) (LDT2) / California LEV-IV SULEV30 (LDT2)	Refer to SEC6

Emission Compliance Statement

Based on Nissan's good engineering judgment, all the vehicles described in this application for Certification comply with all applicable intermediate and full useful life standards.

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SEC6

6. Test Vehicle Description

Applicable Emission STD. for EPA Interim Tier 4 Bin 30 (LDV & LDT2)

<FTP/HWY>			<FTP>						
Mileage	NMOG+NOx (gpm) Low Altitude	NMOG+NOx (gpm) High Altitude	Mileage	CO (gpm)	HCHO (gpm)	PM (gpm)	CH4 (gpm)	N2O (gpm)	
150K	0.030	0.050	120K	N.A.	N.A.	N.A.	0.030	0.010	
			150K	1.0	0.004	0.003	N.A.	N.A.	
<Cold FTP>			<SFTP>						
Mileage	CO (gpm)	NMHC FEL (gpm)	PM (gpm)	Mileage	COMP NMOG+NOx (gpm)	COMP CO (gpm)	US06 PM (gpm)		
50K	10.0	N.A.	N.A.	150K	0.040	4.2	0.006		
120K	N.A.	0.3	N.A.						
<Early Drive-Away>			<Intermediate Soak Mid-temperature Start>						
Mileage	NMOG+NOx (gpm)	Mileage		NMOG+NOx (gpm)					
150K	N.A.	150K	10-minute	N.A.					
			40-minute	N.A.					
			3 to 12 hour	N.A.					
<EVAP (Tier3)>									
Mileage	D+HS (g/test) Low Altitude	D+HS (g/test) High Altitude	R/L (gpm)	Canister Bleed (gpm)	ORVR (g/gal)	Leak Diameter (inch)			
150K	0.300 (LDV) 0.400 (LDT2)	0.65 (LDV) 0.85 (LDT2)	0.05	0.020	0.20	0.02			

Applicable Emission STD. for ARB LEV-IV SULEV30 (PC & LDT2)

<FTP/HWY>				<FTP>				<Cold FTP>			
Mileage	NMOG+NOx (gpm)	Mileage	CO (gpm)	HCHO (gpm)	PM (gpm)	CH4 (gpm)	N2O (gpm)	Mileage	CO (gpm)		
150K	0.030	150K	1.0	0.004	0.001 (0.002 *1)	0.030	0.010	50K	10.0		
<50 deg F>				<US06>				<SC03>			
Mileage	NMOG+NOx (gpm)	CO (gpm)	HCHO (gpm)	Mileage	NMOG+NOx (gpm)	CO (gpm)	PM (gpm)	Mileage	NMOG+NOx (gpm)	CO (gpm)	
4K	0.060	1.0	0.008	150K	0.030 (0.036*2)	9.6	0.003 (0.004*3)	150K	0.030	1.0	
<Quick drive-away>				<Partial Soak>							
Mileage	NMOG+NOx (gpm)	Mileage	NMOG+NOx (gpm)								
150K	0.042 (0.050*4)	150K	10-minute	0.015							
			40-minute	0.023							
			3 to 12 hour	0.030							
<EVAP (LEV-IV (Option 2)) *5>											
Mileage	Highest Whole Vehicle D+HS (g/test)	R/L (gpm)	Canister Bleed (gpm)	ORVR (g/gal)	Leak Diameter (inch)						
150K	0.300 (PC) 0.400 (LDT2)	0.01	0.020	0.20	0.02						

*1 Nissan selects In-Use Compliance Standard (FTP PM (d)(2)(A)3 in Sec1961.4)

*2 Nissan selects Interim In-Use Compliance Standard (US06 NMOG+NOx (d)(3)(A)5a in Sec1961.4)

*3 Nissan selects Interim In-Use Compliance Standard (US06 PM (d)(3)(A)5a in Sec1961.4)

*4 Nissan selects Interim Standard (Quick drive-away (d)(2)(C)3 in Sec1961.4)

*5 Nissan selects Fleet-Average(b)(1)(G)1.b in Sec1976)

For other information, refer to the Vehicle Information (VI) submitted to EV-CIS for the complete vehicle description

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7. Test Results

Test Number	Mode	Sales Area	Official Test (marked by X)	Certification Level
VNSX10094502	FTP-E10	50 states	X	Refer to the Certification Summary Information Report
VNSX10094331	HWFE-E10	50 states	X	
VNSX10094334	Cold CO-E10	50 states	X	
VNSX10094332	US06-E10	50 states	X	
VNSX10094333	SC03-E10	50 states	X	
VNSX10094335	50F-E10	50 states	X	
VNSX10094330	Quick Drive-Away-E10	50 states	X	
MNSX10067326	Evap 3day-E10	50 states	X	
MNSX10067315	Evap 2day-E10	50 states	X	
MNSX10067313	ORVR-E10	50 states	X	
MNSX10067325	Running Loss-E10	50 states	X	

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Certification Summary Information Report

Manufacturer	Nissan Motor Co., Ltd.	Manufacturer Code	NSX
Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PKA
Certificate Number	--	CARB Executive Order #	--
Certificate Issue Date	--	Certificate Revision Date	--
Certificate Effective Date	--	Conditional Certificate	--
CSI Revision #	--	CSI Submission/Revision Date	06/23/2026 05:07:19 AM
Model Year	2027		

Test Group Information

CSI Type	Update for Correction	Running Change Reference Number	--
GHG Exempt Status	Not Exempt		

Drive Sources and Fuel(s)

Drive Source #1: Combustion Engine

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

Hybrid Indicator	No		
Multiple Fuel Storage	--	Rechargeable Energy Storage System Indicator	--
Multiple Fuel Combustion	--	Off-board Charge Capable Indicator	--
Fuel Cell Indicator	--	EPA Vehicle Class	LDV, LDT2
Federal Clean Fuel Vehicle	No	Federal Clean Fuel Vehicle Standard	--
Federal Clean Fuel Vehicle ILEV	No	California Partial Zero Emissions Vehicle Indicator	No
Durability Group Name	VNSXGPGNNAAR	Durability Group Equivalency Factor	1.8
Reduced Fee Test Group	No	Certification Region Code(s)	FA, CA
Complies with HD GHG 2b/3 regulations?	No		
Introduction into Commerce Date	--	CAP2000 Conditional Certificate?	N/A
Independent Commercial Importer?	--	Alternative Fuel Converter Certificate?	--
SFTP Federal Composite Compliance Identifier	Tier 3	SFTP Tier 2 Composite CO Option	No
SFTP LEV-III Composite Compliance Indicator	Yes		
OBD Compliance Type	CARB	OBD Demonstration Vehicle Test Group	VNSXT01.53CF
Test Group OBD Compliance Level	Partial - with deficiencies	Number of Test Group OBD Deficiencies	1
OBD Deficiencies Comments	The OBD approval letter (E-26-146). Deficiencies: Lack of MIL Illumination for Some Safety-related Components. Other OBD Demonstration Vehicle Test Group(s) : VNSXJ02.0FVM.		
Mfr Test Group Comments	Nissan conducted FTP, HWY, US06, and SC03 using Tier3 E10 gasoline and Cold using Cold E10 gasoline for Litmus. Litmus result(Value / Threshold) City: 24.6 / 24.1 HWY: 27.1 / 25.8 Test No: VNSX10094502(FTP), VNSX10094331(HWY), VNSX10094332(US06), VNSX10094333(SC03), VNSX10094334(Cold)		
Mfr Exhaust / Evap Standards Comments	--		

Certification Summary Information Report

Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PKA				
Evaporative/Refueling Family Information							
Evaporative Summary Information Type	New	Submission/Correction Date	06/15/2026 03:07:22 AM				
Integrated ORVR?	Yes	Fuel(s)	Gasoline				
Multiple Fuel Storage	--						
Bladder Fuel Tank?	No						
Fuel Tank Material	Plastic	Fuel Tank Material Description	Plastic				
Fill Pipe Seal Type	Liquid seal						
Air Intake System Vapor Storage Device?	No	Air Intake System Vapor Storage Device Description	--				
Fuel System Vapor Storage Canister?	Yes	Other Vapor Storage	--				
Fuel System Vapor Storage Canister(s) Total Working Capacity (grams)	128	Number of Primary Canisters	1				
Number of Bleed Canisters	0	Bleed Canister Total Working Capacity (grams)	0				
Mfr Evaporative/Refueling Family Comments	--						
Leak Family Details							
Leak Family Indicator	Yes						
Canister Bleed Test Indicator	Yes	Applicability of Evaporative Canister Bleed Test	50 State				
Evaporative Canister Bleed Test Comments	--						
CARB Fuel Only (Rig) Test Indicator	No	Applicability of CARB Fuel Only (Rig) Test	--				
CARB Fuel Only (Rig) Test Comments	--						
Leak Family Name	Applicability of Leak Family Requirements	Leak Family Standard (inches)	Leak Family Description				
VNSXR0128PKA-001	50 State	0.02	Based on our engineering evaluation, this vehicle comply with the leak standard.				
Models Covered by this Certificate							
Carline Manufacturer	Division	Carline	Certification Region Code(s)	Drive System	Trans - Type	- # of Gears	Trans - Lockup
Nissan Motor Co., Ltd.	1 - NISSAN	101 - ROGUE FWD	Federal	2-Wheel Drive, Front	Selectable Continuously Variable (e.g. CVT with paddles)	8	Yes
Nissan Motor Co., Ltd.	1 - NISSAN	101 - ROGUE FWD	California + CAA Section 177 states	2-Wheel Drive, Front	Selectable Continuously Variable (e.g. CVT with paddles)	8	Yes
Engine Description							
Hybrid Type	--	Hybrid Description	--				
Engine Type	4-Stroke Spark Ignition	Mfr Engine Description	--				
Engine Block Arrangement	Inline	Mfr Engine Block Arrangement Description	--				
Camless Valvetrain Indicator	No	Oil Viscosity/Classification	SAE 0W-20				
Number of Cylinders/Rotors	3	Mechanically Variable Compression Ratio Indicator	Y				

Certification Summary Information Report

Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family				VNSXR0128PKA					
After Treatment Device(s) (ATD)											
ATD Number		ATD Type		ATD Precious Metal		Substrate Material		Substrate Construction			
1		Three-way catalyst		Platinum + Rhodium		Ceramic		Monolith			
2		Three-way catalyst		Palladium + Rhodium		Ceramic		Monolith			
Mfr After Treatment Device (ATD) Comments		--									
Direct Ozone Reduction (DOR) Device		Not Equipped									
Mfr Emission Control Device Comments		--									
Engine Configuration Number 1											
Engine Displacement (liters)		1.5		Engine Rated Horsepower		201					
Number of Inlet Valves Per Cylinder		2		Number of Exhaust Valves Per Cylinder		2					
Air Aspiration Method		Turbocharged		Number of Air Aspiration Devices		1					
Air Aspiration Device Configuration		Single		Charge Air Cooler Type		Liquid					
Air Aspiration Drive Method(s)		Hydraulic									
Cylinder Deactivation		No									
Cylinder Deactivation Description		--									
Variable Valve Timing		Yes									
Variable Valve Timing System Description		EXH; ECM controlled, Oil pressure driven INT; ECM controlled, Motor driven									
Variable Valve Lift?		No									
Variable Valve Lift System Description		--									
Number of Knock Sensors		1		Number of Air/Fuel Sensors		2					
Air/Fuel Sensor # 1 Type		Air fuel		Air/Fuel Sensor # 1 Description		--					
Air/Fuel Sensor # 2 Type		Heated oxygen		Air/Fuel Sensor # 2 Description		--					
Mfr Air/Fuel Sensor Comments		--									
Exhaust Gas Recirculation		Yes		Cooled Exhaust Gas Recirculation		Yes					
EGR Type		Electronic/Electric		Exhaust Gas Recirculation Description if 'Other'		--					
Closed Loop Air Injection System		No									
Air Injection Type		--		Air Injection Type if 'Other'		--					
Mfr Engine Configuration Comments		--									
Official Test Numbers											
Test Group	Fuel	FTP	US06	SC03	Cold CO	Highway	EPA City Litmus Value	EPA City Litmus Threshold	EPA Highway Litmus Value	EPA Highway Litmus Threshold	CREE Weighting Factor
Gasoline	VNSX10094502	VNSX10094332	VNSX10094333	VNSX10094334	VNSX10094334	VNSX10094331	24.7	24.2	27.1	26.0	--

Certification Summary Information Report

Test Group		VNSXJ01.5G3F	Evaporative/Refueling Family		VNSXR0128PKA
SFTP LEV-III Official Test Numbers					
Test Group Fuel		FTP	US06	SC03	
Gasoline		VNSX10094502	VNSX10094332	VNSX10094333	

Certification Summary Information Report

Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PKA						
Emission Data Vehicle Information									
Vehicle ID / Configuration	CTB527 / 0	Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	MNSXT01.5A3A	Original Evaporative/Refueling Family	MNSXR0128PEA						
Original Test Vehicle Model Year	2021								
Vehicle Model									
Represented Test Vehicle Make	NISSAN	Represented Test Vehicle Model	ROGUE AWD SL/PLATINUM SL						
Leak Family Details									
Leak Family Identifier	001	Leak Family Name	MNSXR0128PEA-001						
Drive Sources and Fuel System Details									
	<table border="1"> <tr> <th>Drive Source and Fuel#</th><th>Drive Source</th><th>Fuel</th></tr> <tr> <td>1</td><td>Combustion Engine</td><td>Gasoline</td></tr> </table>	Drive Source and Fuel#	Drive Source	Fuel	1	Combustion Engine	Gasoline		
Drive Source and Fuel#	Drive Source	Fuel							
1	Combustion Engine	Gasoline							
Hybrid Indicator	No								
Multiple Fuel Storage	--	Multiple Fuel Combustion	--						
Fuel Cell Indicator	--	Rechargeable Energy Storage System Indicator	--						
Rechargeable Energy Storage System	--	Rechargeable Energy Storage System, if 'Other'	--						
Off-board charge Capable Indicator	--								
Odometer Correction -- Initial	0	Odometer Correction Factor	1.02						
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor								
Odometer Correction Units	Miles								
Engine Code	AR15DAC1	Rated Horsepower	201						
Displacement (liters)	1.5								
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	2-Wheel Drive, Front						
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)						
Curb Weight (lbs)	3707	Equivalent Test Weight (pounds)	4000						
GVWR (lbs)	4685	N/V Ratio	24.6						
Axle Ratio	5.68								
Transmission Type	Selectable Continuously Variable (e.g. CVT with paddles)	# of Transmission Gears	1						
Transmission Lockup	Yes	Creep Gear	No						

Certification Summary Information Report

Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PKA
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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	39.84	-0.4054	0.03085	16.07	-0.3332	0.02884	12.9
Cold CO	44.27	-0.4504	0.03428	18.28	-0.4274	0.03428	N/A
US06	39.84	-0.4054	0.03085	16.07	-0.3332	0.02884	N/A

Emission Control Device Comments --

Manufacturer Test Vehicle Comments Sport mode

Test #	MNSX10067315	Test Procedure	27 - California fuel 2-day evap
Exhaust Test # for this Evap Test	MNSX10067314	Test Fuel Type	46 - CARB LEV3 E10 Regular Gasoline
Test Date	09/17/2020	Fuel	Gasoline
Fuel Batch ID	WE0A04	Fuel Calibration Number	1
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	560-2 Okatsukoku		
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)		
Test Start Odometer Reading	4476	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	No

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.245	--

Manufacturer Test Comments --

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	0.2450	0.0000	0.245	0.300	Pass
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.2450	0.0000	0.245	0.300	Pass

Certification Summary Information Report

Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PKA
Test #	MNSX10067326	Test Procedure	38 - CA fuel 3-day evap.
Exhaust Test # for this Evap Test	MNSX10067324	Test Fuel Type	46 - CARB LEV3 E10 Regular
Test Date	10/09/2020	Fuel	Gasoline
Fuel Batch ID	WG0A06	Fuel Calibration Number	1
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	560-2 Okatsukoku		
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)		
Test Start Odometer Reading	4962	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	No

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.16	--

Manufacturer Test Comments --

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	0.1600	0.0000	0.160	0.300	Pass
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.1600	0.0000	0.160	0.300	Pass

Certification Summary Information Report

Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PKA						
Test #	MNSX10067325	Test Procedure	37 - California Fuel Running Loss						
Exhaust Test # for this Evap Test	MNSX10067324	Test Fuel Type	46 - CARB LEV3 E10 Regular Gasoline						
Test Date	10/09/2020	Fuel	Gasoline						
Fuel Batch ID	WG0A06	Fuel Calibration Number	1						
Vehicle Class	N/A	DF Type	Mfr. Determined						
Verify Test Lab ID	560-2 Okatsukoku								
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)								
Test Start Odometer Reading	4945	Odometer Units	M						
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--						
State of Charge Delta	--								
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes						
Test Results									
<table border="1"> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value (miles per gallon)</th> </tr> <tr> <td>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</td> <td>0.0004995</td> <td>--</td> </tr> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.0004995	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)							
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.0004995	--							
Manufacturer Test Comments --									
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	0.000	0.00	0.05	Pass	
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.000	0.000	0.00	0.01	Pass	

Certification Summary Information Report

Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PKA						
Test #	MNSX10067355	Test Procedure	65 - Evap Canister Bleed Test						
Exhaust Test # for this Evap Test	--	Test Fuel Type	46 - CARB LEV3 E10 Regular Gasoline						
Test Date	06/04/2020	Fuel	Gasoline						
Fuel Batch ID	WH9-12	Fuel Calibration Number	9999						
Vehicle Class	N/A	DF Type	Mfr. Determined						
Verify Test Lab ID	560-2 Okatsukoku								
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)								
Test Start Odometer Reading	9999	Odometer Units	M						
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--						
State of Charge Delta	--								
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	No						
Test Results									
<table border="1"> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value (miles per gallon)</th> </tr> <tr> <td>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</td> <td>0.0057</td> <td>--</td> </tr> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.0057	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)							
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.0057	--							
Manufacturer Test Comments									
Vehicle ID, Vehicle Configuration Number and Drive Cycle Speed Tolerance Criteria are EDV information. Test Start Odometer Reading is entered for a dummy.									
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	0.0057	0.0000	0.006	0.020	Pass	
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.0057	0.0000	0.006	0.020	Pass	

Certification Summary Information Report

Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PKA
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Emission Data Vehicle Information

Vehicle ID / Configuration	CTB527 / 1	Manufacturer Vehicle Configuration Number	1
Original Test Group Name	MNSXT01.5A3A	Original Evaporative/Refueling Family	MNSXR0128PEA
Original Test Vehicle Model Year	2021		
Vehicle Model			
Represented Test Vehicle Make	NISSAN	Represented Test Vehicle Model	ROGUE AWD SL/PLATINUM SL

Leak Family Details

Leak Family Identifier	001	Leak Family Name	MNSXR0128PEA-001
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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	0	Odometer Correction Factor	1.02
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor		
Odometer Correction Units	Miles		
Engine Code	AR15DAC1	Rated Horsepower	201
Displacement (liters)	1.5		
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	2-Wheel Drive, Front
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)
Curb Weight (lbs)	3707	Equivalent Test Weight (pounds)	4000
GVWR (lbs)	4685	N/V Ratio	24.6
Axle Ratio	5.68		
Transmission Type	Selectable Continuously Variable (e.g. CVT with paddles)	# of Transmission Gears	1
Transmission Lockup	Yes	Creep Gear	No

Dynamometer Coefficients:

Target Coefficients				Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	
City/Highway/Evap	39.84	-0.4054	0.03085	16.21	-0.2875	0.02842	12.9

Certification Summary Information Report

Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PKA						
Emission Control Device Comments	--								
Manufacturer Test Vehicle Comments	Sport mode								
Test #	MNSX10067313	Test Procedure	24 - Federal fuel refueling test (ORVR)						
Exhaust Test # for this Evap Test	MNSX10067312	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)						
Test Date	08/21/2020	Fuel	Gasoline						
Fuel Batch ID	WL8-04	Fuel Calibration Number	1						
Vehicle Class	N/A	DF Type	Mfr. Determined						
Verify Test Lab ID	560-2 Okatsukoku								
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)								
Test Start Odometer Reading	4337	Odometer Units	M						
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--						
State of Charge Delta	--								
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	No						
Test Results									
<table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value (miles per gallon)</th> </tr> </thead> <tbody> <tr> <td>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</td> <td>0.099</td> <td>--</td> </tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.099	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)							
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.099	--							
Manufacturer Test Comments --									
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	0.099	0.016	0.12	0.20	Pass	
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.099	0.016	0.12	0.20	Pass	

Certification Summary Information Report

Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PKA						
Emission Data Vehicle Information									
Vehicle ID / Configuration	CTCU04 / 0	Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	VNSXJ01.5G3F	Original Evaporative/Refueling Family	VNSXR0128PLA						
Original Test Vehicle Model Year	2027								
Vehicle Model									
Represented Test Vehicle Make	NISSAN	Represented Test Vehicle Model	ROGUE AWD ROCK CREEK						
Leak Family Details									
Leak Family Identifier	001	Leak Family Name	VNSXR0128PLA-001						
Drive Sources and Fuel System Details									
	<table border="1"> <tr> <th>Drive Source and Fuel#</th><th>Drive Source</th><th>Fuel</th></tr> <tr> <td>1</td><td>Combustion Engine</td><td>Gasoline</td></tr> </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	108	Odometer Correction Factor	0.978						
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor								
Odometer Correction Units	Miles								
Engine Code	AR15DAC6	Rated Horsepower	201						
Displacement (liters)	1.5								
Air Aspiration Method	Turbocharged	Air Aspiration Method, if 'Other'							
Number of Air Aspiration Devices	1	Air Aspiration Device Configuration	Single						
Charge Air Cooler Type	Liquid	Drive Mode While Testing	2-Wheel Drive, Front						
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)						
Curb Weight (lbs)	3661	Equivalent Test Weight (pounds)	4000						
GVWR (lbs)	4773	N/V Ratio	25						
Axle Ratio	5.68								
Transmission Type	Selectable Continuously Variable (e.g. CVT with paddles)	# of Transmission Gears	8						
Transmission Lockup	Yes	Creep Gear	No						

Certification Summary Information Report

Test Group		VNSXJ01.5G3F			Evaporative/Refueling Family		VNSXR0128PKA	
Dynamometer Coefficients:								
Target Coefficients				Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients	
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)		
City/Highway/Evap	44.88	-0.2806	0.02996	21.42	-0.1954	0.02788	14.1	
Cold CO	49.87	-0.3118	0.03329	19.77	-0.2671	0.03094	N/A	
US06	44.88	-0.2806	0.02996	21.42	-0.1954	0.02788	N/A	
Emission Control Device Comments		--						
Manufacturer Test Vehicle Comments		Sport mode.						

Certification Summary Information Report

Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PKA																																	
Test #	VNSX10094330	Test Procedure	49 - Quick-Driveway (QD)																																	
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)																																	
Test Date	05/11/2026	Fuel	Gasoline																																	
Fuel Batch ID	480555	Fuel Calibration Number	2																																	
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined																																	
Verify Test Lab ID	560-2 Okatsukoku																																			
E10 Evaporative Test Measurement Method	--																																			
Test Start Odometer Reading	4355	Odometer Units	M																																	
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--																																	
State of Charge Delta	--																																			
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes																																	
Test Results																																				
<table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value (miles per gallon)</th> </tr> </thead> <tbody> <tr> <td>METHANE (CH4 - Methane)</td> <td>0.0015315</td> <td>--</td> </tr> <tr> <td>CO (Carbon Monoxide)</td> <td>0.0382872</td> <td>--</td> </tr> <tr> <td>DT-ASCR (Drive Trace Absolute Speed Change Rating)</td> <td>0.87</td> <td>--</td> </tr> <tr> <td>DT-EER (Drive Trace Energy Economy Rating)</td> <td>-0.4</td> <td>--</td> </tr> <tr> <td>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</td> <td>1.46</td> <td>--</td> </tr> <tr> <td>MFR FE (Manufacturer Fuel Economy)</td> <td>31.9</td> <td>31.9</td> </tr> <tr> <td>NOX (Nitrogen Oxide)</td> <td>0.0063229</td> <td>--</td> </tr> <tr> <td>HC-NM (Non-methane Hydrocarbon)</td> <td>0.003872</td> <td>--</td> </tr> <tr> <td>NMOG (Non-methane organic gases)</td> <td>0.0042528</td> <td>--</td> </tr> <tr> <td>HC-TOTAL (Total Hydrocarbon)</td> <td>0.0053833</td> <td>--</td> </tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	METHANE (CH4 - Methane)	0.0015315	--	CO (Carbon Monoxide)	0.0382872	--	DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.87	--	DT-EER (Drive Trace Energy Economy Rating)	-0.4	--	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	1.46	--	MFR FE (Manufacturer Fuel Economy)	31.9	31.9	NOX (Nitrogen Oxide)	0.0063229	--	HC-NM (Non-methane Hydrocarbon)	0.003872	--	NMOG (Non-methane organic gases)	0.0042528	--	HC-TOTAL (Total Hydrocarbon)	0.0053833	--
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Manufacturer Test Comments	--																																			

Certification Summary Information Report

Test Group		VNSXJ01.5G3F				Evaporative/Refueling Family				VNSXR0128PKA		
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	0.0043	1	1.09836	--	0.0005	--	0.005	999.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0106	--	--	--	--	--	0.011	0.042	Pass
CA	150,000 miles	California LEV-IV SULEV30	NOX	0.0063	--	--	--	0.0001	--	0.006	999.999	Pass

Certification Summary Information Report

Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PKA
Test #	VNSX10094334	Test Procedure	11 - Cold CO
Exhaust Test # for this Evap Test	--	Test Fuel Type	28 - Cold CO E10 Regular Gasoline (Tier 3)
Test Date	05/22/2026	Fuel	Gasoline
Fuel Batch ID	280406	Fuel Calibration Number	3
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	560-2 Okatsukoku		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4514	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
Test Results			

Certification Summary Information Report

Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PKA																																																																										
	<table><tr><th>Test Result Name</th><th>Unrounded Test Result</th><th>Verify Calculated FE Equivalent Value (miles per gallon)</th></tr><tr><td>CO2 BAG 1 (Bag 1 Carbon Dioxide)</td><td>402.4164861</td><td>--</td></tr><tr><td>CO BAG 1 (Bag 1 Carbon Monoxide)</td><td>2.9974459</td><td>--</td></tr><tr><td>FE BAG 1 (Bag 1 Fuel Economy)</td><td>21.3</td><td>21.3</td></tr><tr><td>CH4 BAG 1 (Bag 1 Methane)</td><td>0.0390192</td><td>--</td></tr><tr><td>NMOG BAG 1 (Bag 1 Non-methane organic gases)</td><td>0.395433</td><td>--</td></tr><tr><td>CO2 BAG 2 (Bag 2 Carbon Dioxide)</td><td>309.7720327</td><td>--</td></tr><tr><td>CO BAG 2 (Bag 2 Carbon Monoxide)</td><td>0.0567501</td><td>--</td></tr><tr><td>FE BAG 2 (Bag 2 Fuel Economy)</td><td>28</td><td>28</td></tr><tr><td>CH4 BAG 2 (Bag 2 Methane)</td><td>0.0009607</td><td>--</td></tr><tr><td>NMOG BAG 2 (Bag 2 Non-methane organic gases)</td><td>0.0003432</td><td>--</td></tr><tr><td>CO2 BAG 3 (Bag 3 Carbon Dioxide)</td><td>298.0273565</td><td>--</td></tr><tr><td>CO BAG 3 (Bag 3 Carbon Monoxide)</td><td>0.0332402</td><td>--</td></tr><tr><td>FE BAG 3 (Bag 3 Fuel Economy)</td><td>29.2</td><td>29.2</td></tr><tr><td>CH4 BAG 3 (Bag 3 Methane)</td><td>0.0028385</td><td>--</td></tr><tr><td>NMOG BAG 3 (Bag 3 Non-methane organic gases)</td><td>0.0007574</td><td>--</td></tr><tr><td>METHANE (CH4 - Methane)</td><td>0.0093788</td><td>--</td></tr><tr><td>CO (Carbon Monoxide)</td><td>0.6608185</td><td>--</td></tr><tr><td>DT-ASCR (Drive Trace Absolute Speed Change Rating)</td><td>2.22</td><td>--</td></tr><tr><td>DT-EER (Drive Trace Energy Economy Rating)</td><td>0.84</td><td>--</td></tr><tr><td>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</td><td>3.7</td><td>--</td></tr><tr><td>MFR FE (Manufacturer Fuel Economy)</td><td>26.6</td><td>26.6</td></tr><tr><td>HC-NM (Non-methane Hydrocarbon)</td><td>0.0749038</td><td>--</td></tr><tr><td>NMOG (Non-methane organic gases)</td><td>0.0824841</td><td>--</td></tr><tr><td>HC-TOTAL (Total Hydrocarbon)</td><td>0.0829672</td><td>--</td></tr></table>	Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	CO2 BAG 1 (Bag 1 Carbon Dioxide)	402.4164861	--	CO BAG 1 (Bag 1 Carbon Monoxide)	2.9974459	--	FE BAG 1 (Bag 1 Fuel Economy)	21.3	21.3	CH4 BAG 1 (Bag 1 Methane)	0.0390192	--	NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.395433	--	CO2 BAG 2 (Bag 2 Carbon Dioxide)	309.7720327	--	CO BAG 2 (Bag 2 Carbon Monoxide)	0.0567501	--	FE BAG 2 (Bag 2 Fuel Economy)	28	28	CH4 BAG 2 (Bag 2 Methane)	0.0009607	--	NMOG BAG 2 (Bag 2 Non-methane organic gases)	0.0003432	--	CO2 BAG 3 (Bag 3 Carbon Dioxide)	298.0273565	--	CO BAG 3 (Bag 3 Carbon Monoxide)	0.0332402	--	FE BAG 3 (Bag 3 Fuel Economy)	29.2	29.2	CH4 BAG 3 (Bag 3 Methane)	0.0028385	--	NMOG BAG 3 (Bag 3 Non-methane organic gases)	0.0007574	--	METHANE (CH4 - Methane)	0.0093788	--	CO (Carbon Monoxide)	0.6608185	--	DT-ASCR (Drive Trace Absolute Speed Change Rating)	2.22	--	DT-EER (Drive Trace Energy Economy Rating)	0.84	--	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	3.7	--	MFR FE (Manufacturer Fuel Economy)	26.6	26.6	HC-NM (Non-methane Hydrocarbon)	0.0749038	--	NMOG (Non-methane organic gases)	0.0824841	--	HC-TOTAL (Total Hydrocarbon)	0.0829672	--	
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Certification Summary Information Report

Test Group		VNSXJ01.5G3F				Evaporative/Refueling Family				VNSXR0128PKA		
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	0.66	--	--	--	0.01	--	0.7	10.0	Pass
Fed	120,000 miles	Federal Tier 3 Bin 30	HC-NM	0.07	--	--	--	0.00	--	0.1	0.3	Pass
CA	50,000 miles	California LEV-IV SULEV30	CO	0.66	--	--	--	0.01	--	0.7	10.0	Pass

Certification Summary Information Report

Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PKA
Test #	VNSX10094335	Test Procedure	52 - Fed. fuel 50 F exh.
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	05/13/2026	Fuel	Gasoline
Fuel Batch ID	480555	Fuel Calibration Number	2
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	560-2 Okatsukoku		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4403	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
METHANE (CH4 - Methane)	0.0028946	--
CO (Carbon Monoxide)	0.1420814	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	2.45	--
DT-EER (Drive Trace Energy Economy Rating)	0.95	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	3.61	--
MFR FE (Manufacturer Fuel Economy)	30.3	30.3
NOX (Nitrogen Oxide)	0.0117133	--
HC-NM (Non-methane Hydrocarbon)	0.0138226	--
NMOG (Non-methane organic gases)	0.0151822	--
HC-TOTAL (Total Hydrocarbon)	0.0162739	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	287.0211858	--

Manufacturer Test Comments --

Certification Summary Information Report

Test Group		VNSXJ01.5G3F				Evaporative/Refueling Family				VNSXR0128PKA		
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	0.14	--	--	--	0	--	0.1	1.0	Pass
CA	4,000 miles	California LEV-IV SULEV30	NMOG	0.0152	1	1.09836	--	0	--	0.015	999.999	Pass
CA	4,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0269	--	--	--	--	--	0.027	0.060	Pass
CA	4,000 miles	California LEV-IV SULEV30	NOX	0.0117	--	--	--	0	--	0.012	999.999	Pass

Certification Summary Information Report

Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PKA
Test #	VNSX10094502	Test Procedure	31 - Federal fuel 3-day exhaust
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	04/23/2026	Fuel	Gasoline
Fuel Batch ID	480555	Fuel Calibration Number	2
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	560-2 Okatsukoku		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4251	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
Test Results			

Certification Summary Information Report

Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PKA
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	
CO2 BAG 1 (Bag 1 Carbon Dioxide)	293.1996688	--	
CO BAG 1 (Bag 1 Carbon Monoxide)	0.0859265	--	
FE BAG 1 (Bag 1 Fuel Economy)	29.7	29.7	
CH4 BAG 1 (Bag 1 Methane)	0.0023989	--	
NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0103821	--	
CO2 BAG 2 (Bag 2 Carbon Dioxide)	261.2597941	--	
CO BAG 2 (Bag 2 Carbon Monoxide)	0.0229918	--	
FE BAG 2 (Bag 2 Fuel Economy)	33.3	33.3	
CH4 BAG 2 (Bag 2 Methane)	0.0009346	--	
NMOG BAG 2 (Bag 2 Non-methane organic gases)	-0.0002715	--	
CO2 BAG 3 (Bag 3 Carbon Dioxide)	263.8103459	--	
CO BAG 3 (Bag 3 Carbon Monoxide)	0.0140322	--	
FE BAG 3 (Bag 3 Fuel Economy)	33	33	
CH4 BAG 3 (Bag 3 Methane)	0.0015704	--	
NMOG BAG 3 (Bag 3 Non-methane organic gases)	-0.0002049	--	
METHANE (CH4 - Methane)	0.0014124	--	
CO (Carbon Monoxide)	0.0335717	--	
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.35	--	
DT-EER (Drive Trace Energy Economy Rating)	-0.08	--	
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.22	--	
HCHO (Formaldehyde)	8E-7	--	
MFR FE (Manufacturer Fuel Economy)	32.4	32.4	
NOX (Nitrogen Oxide)	0.0065147	--	
N2O (Nitrous Oxide)	0.0016962	--	
HC-NM (Non-methane Hydrocarbon)	0.0017789	--	
NMOG (Non-methane organic gases)	0.0019539	--	
PM (Particulate Matter)	0.0007978	--	
HC-TOTAL (Total Hydrocarbon)	0.0031727	--	
Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE	
Carbon-Related Exhaust Emissions	269.0567534	269	
Test Result Name	Unrounded Test Result	Verify Calculated CO2	
Carbon dioxide	268.5763618	--	

Certification Summary Information Report

Test Group		VNSXJ01.5G3F				Evaporative/Refueling Family				VNSXR0128PKA		
Manufacturer Test Comments		--										
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	120,000 miles	Federal Tier 3 Bin 30	CREE	269	--	--	--	0.041462	--	269	--	--
Fed	120,000 miles	Federal Tier 3 Bin 30	METHANE	0.0014	--	--	--	0.0007	--	0.002	0.030	Pass
Fed	120,000 miles	Federal Tier 3 Bin 30	N2O	0.0017	--	--	--	0.0012	--	0.003	0.010	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	CO	0.03	--	--	--	0.03	--	0.1	1.0	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	CO-COMP	0.11	--	--	--	0	--	0.1	4.2	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0020	1	1.09836	--	0.0005	--	0.002	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX	0.0085	--	--	--	--	--	0.009	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX-COMP	0.0090	--	--	--	0	--	0.009	0.040	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0065	--	--	--	0.0001	--	0.007	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	PM	0.0008	--	--	--	0.0000	--	0.001	0.003	Pass
CA	150,000 miles	California LEV-IV SULEV30	CO	0.03	--	--	--	0.03	--	0.1	1.0	Pass
CA	150,000 miles	California LEV-IV SULEV30	METHANE	0.0014	--	--	--	0.0009	--	0.002	0.030	Pass
CA	150,000 miles	California LEV-IV SULEV30	N2O	0.0017	--	--	--	0.0015	--	0.003	0.010	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG	0.0020	1	1.09836	--	0.0005	--	0.002	999.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0085	--	--	--	--	--	0.009	0.030	Pass
CA	150,000 miles	California LEV-IV SULEV30	NOX	0.0065	--	--	--	0.0001	--	0.007	999.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	PM	0.0008	--	--	--	0.0000	--	0.001	0.001	Pass
NOTE: For Non-charge depleting tests, the Rounded Result for CREE/OPT-CREE Emission names are Verify-calculated values.												

Certification Summary Information Report

Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PKA
Test #	VNSX10094331	Test Procedure	3 - HWFE
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	04/23/2026	Fuel	Gasoline
Fuel Batch ID	480555	Fuel Calibration Number	2
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	560-2 Okatsukoku		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4262	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0.0309746	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	6.06	--
DT-EER (Drive Trace Energy Economy Rating)	0.75	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	7.34	--
MFR FE (Manufacturer Fuel Economy)	38.5	38.5
NOX (Nitrogen Oxide)	0.0011948	--
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	226.04713	226

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	225.5898602	--

Manufacturer Test Comments --

Certification Summary Information Report

Test Group		VNSXJ01.5G3F				Evaporative/Refueling Family				VNSXR0128PKA		
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	226	--	--	--	0.041462	--	226	--	--
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0000	1	1.03	--	0.0005	--	0.000	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX	0.0012	--	--	--	--	--	0.002	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0012	--	--	--	0.0001	--	0.001	999.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG	0.0000	1	1.03	--	0.0005	--	0.000	999.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0012	--	--	--	--	--	0.002	0.030	Pass
CA	150,000 miles	California LEV-IV SULEV30	NOX	0.0012	--	--	--	0.0001	--	0.001	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	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PKA
Test #	VNSX10094332	Test Procedure	90 - US06
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	04/23/2026	Fuel	Gasoline
Fuel Batch ID	480555	Fuel Calibration Number	2
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	560-2 Okatsukoku		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4285	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
CO2 BAG 1 (Bag 1 Carbon Dioxide)	499.0741104	--
CO BAG 1 (Bag 1 Carbon Monoxide)	0.2837375	--
FE BAG 1 (Bag 1 Fuel Economy)	17.4	17.4
CH4 BAG 1 (Bag 1 Methane)	0.0022549	--
NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0060534	--
CO2 BAG 2 (Bag 2 Carbon Dioxide)	297.5817884	--
CO BAG 2 (Bag 2 Carbon Monoxide)	0.1560377	--
FE BAG 2 (Bag 2 Fuel Economy)	29.2	29.2
CH4 BAG 2 (Bag 2 Methane)	0.0013273	--
NMOG BAG 2 (Bag 2 Non-methane organic gases)	0.0040992	--
METHANE (CH4 - Methane)	0.0015316	--
CO (Carbon Monoxide)	0.1841736	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-2.27	--
DT-EER (Drive Trace Energy Economy Rating)	-0.38	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-4.46	--
MFR FE (Manufacturer Fuel Economy)	25.4	25.4
NOX (Nitrogen Oxide)	0.0057859	--
HC-NM (Non-methane Hydrocarbon)	0.0043979	--
NMOG (Non-methane organic gases)	0.0045298	--
PM (Particulate Matter)	0.0005397	--
HC-TOTAL (Total Hydrocarbon)	0.0059094	--

Certification Summary Information Report

Test Group		VNSXJ01.5G3F				Evaporative/Refueling Family				VNSXR0128PKA		
				Test Result Name		Unrounded Test Result			Verify Calculated CO2			
				Carbon dioxide		341.9763177			--			
Manufacturer Test Comments				--								
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 30	CO	0.1842	--	--	--	0.03	--	0.214	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0045	1	1.03	--	0.0005	--	0.005	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0058	--	--	--	0.0001	--	0.006	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	PM	0.0005	--	--	--	0.0000	--	0.000	0.006	Pass
CA	150,000 miles	California LEV-IV SULEV30	CO	0.18	--	--	--	0.03	--	0.2	9.6	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG	0.0045	1	1.03	--	0.0005	--	0.005	999.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0103	--	--	--	--	--	0.011	0.030	Pass
CA	150,000 miles	California LEV-IV SULEV30	NOX	0.0058	--	--	--	0.0001	--	0.006	999.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	PM	0.0005	--	--	--	0.0000	--	0.000	0.003	Pass

Certification Summary Information Report

Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PKA																																	
Test #	VNSX10094333	Test Procedure	95 - SC03																																	
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)																																	
Test Date	04/23/2026	Fuel	Gasoline																																	
Fuel Batch ID	480555	Fuel Calibration Number	2																																	
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined																																	
Verify Test Lab ID	560-2 Okatsukoku																																			
E10 Evaporative Test Measurement Method	--																																			
Test Start Odometer Reading	4302	Odometer Units	M																																	
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--																																	
State of Charge Delta	--																																			
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes																																	
Test Results																																				
<table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value (miles per gallon)</th> </tr> </thead> <tbody> <tr> <td>METHANE (CH4 - Methane)</td> <td>0.0010155</td> <td>--</td> </tr> <tr> <td>CO (Carbon Monoxide)</td> <td>0.0405479</td> <td>--</td> </tr> <tr> <td>DT-ASCR (Drive Trace Absolute Speed Change Rating)</td> <td>-0.22</td> <td>--</td> </tr> <tr> <td>DT-EER (Drive Trace Energy Economy Rating)</td> <td>-0.4</td> <td>--</td> </tr> <tr> <td>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</td> <td>-0.44</td> <td>--</td> </tr> <tr> <td>MFR FE (Manufacturer Fuel Economy)</td> <td>24.1</td> <td>24.1</td> </tr> <tr> <td>NOX (Nitrogen Oxide)</td> <td>0.0068199</td> <td>--</td> </tr> <tr> <td>HC-NM (Non-methane Hydrocarbon)</td> <td>0.0000932</td> <td>--</td> </tr> <tr> <td>NMOG (Non-methane organic gases)</td> <td>0.000096</td> <td>--</td> </tr> <tr> <td>HC-TOTAL (Total Hydrocarbon)</td> <td>0.0010954</td> <td>--</td> </tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	METHANE (CH4 - Methane)	0.0010155	--	CO (Carbon Monoxide)	0.0405479	--	DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.22	--	DT-EER (Drive Trace Energy Economy Rating)	-0.4	--	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.44	--	MFR FE (Manufacturer Fuel Economy)	24.1	24.1	NOX (Nitrogen Oxide)	0.0068199	--	HC-NM (Non-methane Hydrocarbon)	0.0000932	--	NMOG (Non-methane organic gases)	0.000096	--	HC-TOTAL (Total Hydrocarbon)	0.0010954	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)																																		
METHANE (CH4 - Methane)	0.0010155	--																																		
CO (Carbon Monoxide)	0.0405479	--																																		
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.22	--																																		
DT-EER (Drive Trace Energy Economy Rating)	-0.4	--																																		
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.44	--																																		
MFR FE (Manufacturer Fuel Economy)	24.1	24.1																																		
NOX (Nitrogen Oxide)	0.0068199	--																																		
HC-NM (Non-methane Hydrocarbon)	0.0000932	--																																		
NMOG (Non-methane organic gases)	0.000096	--																																		
HC-TOTAL (Total Hydrocarbon)	0.0010954	--																																		
<table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated CO2</th> </tr> </thead> <tbody> <tr> <td>Carbon dioxide</td> <td>360.6139417</td> <td>--</td> </tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated CO2	Carbon dioxide	360.6139417	--																											
Test Result Name	Unrounded Test Result	Verify Calculated CO2																																		
Carbon dioxide	360.6139417	--																																		
Manufacturer Test Comments	--																																			

Certification Summary Information Report

Test Group		VNSXJ01.5G3F				Evaporative/Refueling Family				VNSXR0128PKA		
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	0.0405	--	--	--	0.03	--	0.070	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0001	1	1.03	--	0.0005	--	0.001	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0068	--	--	--	0.0001	--	0.007	999.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	CO	0.04	--	--	--	0.03	--	0.1	1.0	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG	0.0001	1	1.03	--	0.0005	--	0.001	999.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0069	--	--	--	--	--	0.008	0.030	Pass
CA	150,000 miles	California LEV-IV SULEV30	NOX	0.0068	--	--	--	0.0001	--	0.007	999.999	Pass

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Certification Summary Information Report

Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PKA
Test #	VNSX10094336	Test Procedure	21 - Federal fuel 2-day exhaust (w/can load)
Exhaust Test # for this Evap Test	--	Test Fuel Type	61 - Tier 2 Cert Gasoline
Test Date	05/15/2026	Fuel	Gasoline
Fuel Batch ID	610586	Fuel Calibration Number	1
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	560-2 Okatsukoku		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4443	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
METHANE (CH4 - Methane)	0.0016351	--
CO (Carbon Monoxide)	0.06292	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.31	--
DT-EER (Drive Trace Energy Economy Rating)	0.1	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.26	--
MFR FE (Manufacturer Fuel Economy)	35.9	35.9
NOX (Nitrogen Oxide)	0.0050112	--
HC-NM (Non-methane Hydrocarbon)	0.0037653	--
NMOG (Non-methane organic gases)	0.003879	--
HC-TOTAL (Total Hydrocarbon)	0.0052998	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	248.1110725	248

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	247.6801455	--

Manufacturer Test Comments --

Certification Summary Information Report

Test Group		VNSXJ01.5G3F			Evaporative/Refueling Family				VNSXR0128PKA			
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	248	--	--	--	0.041462	--	248	--	--

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	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PKA
Test #	VNSX10094337	Test Procedure	3 - HWFE
Exhaust Test # for this Evap Test	--	Test Fuel Type	61 - Tier 2 Cert Gasoline
Test Date	05/15/2026	Fuel	Gasoline
Fuel Batch ID	610586	Fuel Calibration Number	1
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	560-2 Okatsukoku		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4455	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0.0160304	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.76	--
DT-EER (Drive Trace Energy Economy Rating)	-0.16	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.71	--
MFR FE (Manufacturer Fuel Economy)	46.6	46.6
NOX (Nitrogen Oxide)	0.0015393	--
HC-NM (Non-methane Hydrocarbon)	0.0002322	--
NMOG (Non-methane organic gases)	0.0002392	--
HC-TOTAL (Total Hydrocarbon)	0.0001311	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	191.0317372	191

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	191.2709389	--

Manufacturer Test Comments --

Certification Summary Information Report

Test Group		VNSXJ01.5G3F			Evaporative/Refueling Family					VNSXR0128PKA		
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	--	--	--	0.041462	--	191	--	--
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0002	1	1.03	--	0.0005	--	0.001	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX	0.0017	--	--	--	--	--	0.002	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0015	--	--	--	0.0001	--	0.002	999.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG	0.0002	1	1.03	--	0.0005	--	0.001	999.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0017	--	--	--	--	--	0.002	0.030	Pass
CA	150,000 miles	California LEV-IV SULEV30	NOX	0.0015	--	--	--	0.0001	--	0.002	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	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PKA
Fuel Properties			
Fuel Batch ID	WE0A04	Fuel Calibration Number	1
Test Fuel Type	46 - CARB LEV3 E10 Regular Gasoline	Fuel Batch Calibration Date	07/16/2020
Fuel Batch Calibration Effective Date	07/16/2020	Fuel Batch Calibration Ineffective Date	--
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.742
Fuel Ethanol Volume Percent (%)	9.8	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17838
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	--
Fuel Batch ID	480555	Fuel Calibration Number	2
Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	11/01/2025
Fuel Batch Calibration Effective Date	11/01/2025	Fuel Batch Calibration Ineffective Date	--
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.745
Fuel Ethanol Volume Percent (%)	9.6	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	--
Fuel Net Heat of Combustion (E10) (MJ/kg)	41.414	Fuel Carbon Mass Fraction (E10)	0.828
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	--	Weight Fraction CO2	--
Fuel Batch ID	WL8-04	Fuel Calibration Number	1
Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	10/14/2019
Fuel Batch Calibration Effective Date	10/14/2019	Fuel Batch Calibration Ineffective Date	--
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.739
Fuel Ethanol Volume Percent (%)	9.9	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17815
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	--
Fuel Batch ID	WH9-12	Fuel Calibration Number	9999
Test Fuel Type	46 - CARB LEV3 E10 Regular Gasoline	Fuel Batch Calibration Date	08/19/2019
Fuel Batch Calibration Effective Date	08/19/2019	Fuel Batch Calibration Ineffective Date	--
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--

Certification Summary Information Report

Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PKA
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	--
Fuel Ethanol Volume Percent (%)	9.9	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	--
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	--	Weight Fraction CO2	--
Fuel Batch ID	610586	Fuel Calibration Number	1
Test Fuel Type	61 - Tier 2 Cert Gasoline	Fuel Batch Calibration Date	09/15/2025
Fuel Batch Calibration Effective Date	09/15/2025	Fuel Batch Calibration Ineffective Date	--
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.742
Fuel Ethanol Volume Percent (%)	--	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	18454
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.866	Weight Fraction CO2	--
Fuel Batch ID	WG0A06	Fuel Calibration Number	1
Test Fuel Type	46 - CARB LEV3 E10 Regular Gasoline	Fuel Batch Calibration Date	10/08/2020
Fuel Batch Calibration Effective Date	10/08/2020	Fuel Batch Calibration Ineffective Date	--
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.742
Fuel Ethanol Volume Percent (%)	9.8	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17838
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.825	Weight Fraction CO2	--
Fuel Batch ID	280406	Fuel Calibration Number	3
Test Fuel Type	28 - Cold CO E10 Regular Gasoline (Tier 3)	Fuel Batch Calibration Date	02/01/2026
Fuel Batch Calibration Effective Date	02/01/2026	Fuel Batch Calibration Ineffective Date	--
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.743
Fuel Ethanol Volume Percent (%)	10	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	--
Fuel Net Heat of Combustion (E10) (MJ/kg)	41.352	Fuel Carbon Mass Fraction (E10)	0.827
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	--	Weight Fraction CO2	--

Certification Summary Information Report

Test Group		VNSXJ01.5G3F			Evaporative/Refueling Family			VNSXR0128PKA		
Consolidated List of Standards										
Exhaust Standards										
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert		
Vehicle Class		LDV/Passenger Car			Standard Level			California LEV-IV SULEV30		
Fuel		Gasoline			Test Procedure			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	--	--	--	--	--	--	0.03	9.6	
150,000 miles	NMOG	--	1	1.03	--	--	--	0.0005	999.999	
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0	0.030	
150,000 miles	NOX	--	--	--	--	--	--	0.0001	999.999	
150,000 miles	PM	--	--	--	--	--	--	0.0000	0.003	
Cert Region		Federal			Cert/In-Use Code			Cert		
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 3 Bin 30		
Fuel		Gasoline			Test Procedure			HWFE		
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std	
120,000 miles	CREE	--	--	--	--	--	--	0.041462	999.999	
150,000 miles	NMOG	--	1	1.03	--	--	--	0.0005	999.999	
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0	0.030	
150,000 miles	NOX	--	--	--	--	--	--	0.0001	999.999	
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert		
Vehicle Class		LDV/Passenger Car			Standard Level			California LEV-IV SULEV30		
Fuel		Gasoline			Test Procedure			HWFE		
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std	
150,000 miles	NMOG	--	1	1.03	--	--	--	0.0005	999.999	
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0	0.030	
150,000 miles	NOX	--	--	--	--	--	--	0.0001	999.999	

Certification Summary Information Report

Test Group		VNSXJ01.5G3F			Evaporative/Refueling Family			VNSXR0128PKA	
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			California LEV-IV SULEV30	
Fuel		Gasoline			Test Procedure			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	--	--	--	--	--	--	0	1.0
4,000 miles	NMOG	--	1	1.09836	--	--	--	0	999.999
4,000 miles	NMOG+NOX	--	--	--	--	--	--	0	0.060
4,000 miles	NOX	--	--	--	--	--	--	0	999.999

Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			California LEV-IV SULEV30	
Fuel		Gasoline			Test Procedure			SC03	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	--	0.03	1.0
150,000 miles	NMOG	--	1	1.03	--	--	--	0.0005	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0	0.030
150,000 miles	NOX	--	--	--	--	--	--	0.0001	999.999

Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 3 Bin 30	
Fuel		Gasoline			Test Procedure			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	--	--	--	--	--	--	0.03	999.999
150,000 miles	NMOG	--	1	1.03	--	--	--	0.0005	999.999
150,000 miles	NOX	--	--	--	--	--	--	0.0001	999.999
150,000 miles	PM	--	--	--	--	--	--	0.0000	0.006

Certification Summary Information Report

Test Group		VNSXJ01.5G3F			Evaporative/Refueling Family			VNSXR0128PKA	
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 3 Bin 30	
Fuel		Gasoline			Test Procedure			Federal fuel 3-day exhaust	
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	--	--	--	--	--	--	0.041462	999.999
120,000 miles	METHANE	--	--	--	--	--	--	0.0007	0.030
120,000 miles	N2O	--	--	--	--	--	--	0.0012	0.010
150,000 miles	CO	--	--	--	--	--	--	0.03	1.0
150,000 miles	CO-COMP	--	--	--	--	--	--	0	4.2
150,000 miles	NMOG	--	1	1.09836	--	--	--	0.0005	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0	0.030
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	0	0.040
150,000 miles	NOX	--	--	--	--	--	--	0.0001	999.999
150,000 miles	PM	--	--	--	--	--	--	0.0000	0.003

Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 3 Bin 30	
Fuel		Gasoline			Test Procedure			Federal fuel 2-day exhaust (w/can load)	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
120,000 miles	CREE	--	--	--	--	--	--	0.041462	999.999

Certification Summary Information Report

Test Group		VNSXJ01.5G3F			Evaporative/Refueling Family			VNSXR0128PKA	
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			California LEV-IV SULEV30	
Fuel		Gasoline			Test Procedure			Federal fuel 3-day exhaust	
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	--	--	--	--	--	--	0.03	1.0
150,000 miles	METHANE	--	--	--	--	--	--	0.0009	0.030
150,000 miles	N2O	--	--	--	--	--	--	0.0015	0.010
150,000 miles	NMOG	--	1	1.09836	--	--	--	0.0005	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0	0.030
150,000 miles	NOX	--	--	--	--	--	--	0.0001	999.999
150,000 miles	PM	--	--	--	--	--	--	0.0000	0.001

Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			California LEV-IV SULEV30	
Fuel		Gasoline			Test Procedure			Cold CO	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
50,000 miles	CO	--	--	--	--	--	--	0.01	10.0

Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 3 Bin 30	
Fuel		Gasoline			Test Procedure			Cold CO	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
50,000 miles	CO	--	--	--	--	--	--	0.01	10.0
120,000 miles	HC-NM	--	--	--	--	--	--	0.00	0.3

Certification Summary Information Report

Test Group	VNSXJ01.5G3F				Evaporative/Refueling Family			VNSXR0128PKA	
Cert Region	California + CAA Section 177 states				Cert/In-Use Code			Cert	
Vehicle Class	LDV/Passenger Car				Standard Level			California LEV-IV SULEV30	
Fuel	Gasoline				Test Procedure			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	1.09836	--	--	--	0.0005	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0	0.042
150,000 miles	NOX	--	--	--	--	--	--	0.0001	999.999

Cert Region	Federal				Cert/In-Use Code			Cert	
Vehicle Class	LDV/Passenger Car				Standard Level			Federal Tier 3 Bin 30	
Fuel	Gasoline				Test Procedure			SC03	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	--	0.03	999.999
150,000 miles	NMOG	--	1	1.03	--	--	--	0.0005	999.999
150,000 miles	NOX	--	--	--	--	--	--	0.0001	999.999

Evaporative/Refueling Standards

Evaporative/Refueling Family		VNSXR0128PKA		Cert Region		Federal					
Cert/In-Use Code		Cert		Standard Level		Federal Tier 3 Evap					
Test Procedure		Federal fuel refueling test (ORVR)									
Fuel		Useful Life		Emission Name		Rounded Result		Std		Add DF	
Gasoline		150,000 miles		HC-TOTAL-EQUIV		--		0.20		0.016	

Evaporative/Refueling Family		VNSXR0128PKA		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Cert		Standard Level		California LEV-IV Zero Evap (Option 2)	
Test Procedure		California fuel 2-day evap					
Fuel		Useful Life	Emission Name	Rounded Result	Std	Add DF	
Gasoline		150,000 miles	HC-TOTAL-EQUIV	--	0.300	0.0000	

Certification Summary Information Report

Test Group		VNSXJ01.5G3F		Evaporative/Refueling Family		VNSXR0128PKA	
Evaporative/Refueling Family		VNSXR0128PKA		Cert Region		Federal	
Cert/In-Use Code		Cert		Standard Level		Federal Tier 3 Evap	
Test Procedure		California Fuel Running Loss					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.05	0.000		
Evaporative/Refueling Family		VNSXR0128PKA		Cert Region		Federal	
Cert/In-Use Code		Cert		Standard Level		Federal Tier 3 Evap	
Test Procedure		California fuel 2-day evap					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.300	0.0000		
Evaporative/Refueling Family		VNSXR0128PKA		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Cert		Standard Level		California LEV-IV Zero Evap (Option 2)	
Test Procedure		CA fuel 3-day evap.					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.300	0.0000		
Evaporative/Refueling Family		VNSXR0128PKA		Cert Region		Federal	
Cert/In-Use Code		Cert		Standard Level		Federal Tier 3 Evap	
Test Procedure		Evap Canister Bleed Test					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.020	0.0000		
Evaporative/Refueling Family		VNSXR0128PKA		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Cert		Standard Level		California LEV-IV Zero Evap (Option 2)	
Test Procedure		Federal fuel refueling test (ORVR)					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.20	0.016		

Certification Summary Information Report

Test Group		VNSXJ01.5G3F		Evaporative/Refueling Family		VNSXR0128PKA	
Evaporative/Refueling Family		VNSXR0128PKA		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Cert		Standard Level		California LEV-IV Zero Evap (Option 2)	
Test Procedure		California Fuel Running Loss					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.01	0.000		
Evaporative/Refueling Family		VNSXR0128PKA		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Cert		Standard Level		California LEV-IV Zero Evap (Option 2)	
Test Procedure		Evap Canister Bleed Test					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.020	0.0000		
Evaporative/Refueling Family		VNSXR0128PKA		Cert Region		Federal	
Cert/In-Use Code		Cert		Standard Level		Federal Tier 3 Evap	
Test Procedure		CA fuel 3-day evap.					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.300	0.0000		

Certification Summary Information Report

Test Group		VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PKA
Glossary				
Useful Life				
4	4,000 miles	120	120,000 miles	
50	50,000 miles	150	150,000 miles	
100	100,000 miles			
Emission Name				
HC-TOTAL	Total Hydrocarbon	COMB-CREE	Combined Carbon-Related Exhaust Emissions	
CO	Carbon Monoxide	COMB-OPT-CREE	Combined Optional Carbon-Related Exhaust Emissions	
CO2	Carbon dioxide	HC-TOTAL-EQUIV	Total Hydrocarbon equivalent - Evap only	
CREE	Carbon-Related Exhaust Emissions	METHANE-COMB	Combined CH4 for HD 2b/3 vehicles only	
OPT-CREE	Optional Carbon-Related Exhaust Emissions	N2O-COMB	Combined Nitrous Oxide for HD 2b/3 vehicles only	
NOX	Nitrogen Oxide	LEAK-DIA	Effective Leak Diameter (inches)	
PM	Particulate Matter	LEAK-GAS CAP	Gas Cap Leakage (cc/min)	
PM-COMP	SFTP Composite Particulate Matter	CO2-COMB	Combined Carbon Dioxide for HD 2b/3 Vehicles Only	
HC-NM	Non-methane Hydrocarbon	KW-HRS	Integrated DC KW-HRS	
OMHCE	Organic material Hydrocarbon Equivalent	CH4 BAG 1	Bag 1 Methane	
OMNMHCE	Organic material non-methane HC equivalent	CH4 BAG 2	Bag 2 Methane	
NMOG	Non-methane organic gases	CH4 BAG 3	Bag 3 Methane	
HCHO	Formaldehyde	CH4 BAG 4	Bag 4 Methane	
H3C2HO	Acetaldehyde	CO BAG 1	Bag 1 Carbon Monoxide	
HC-NM+NOX	SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03	CO BAG 2	Bag 2 Carbon Monoxide	
HC-NM+NOX-COMP	SFTP Composite Non-methane Hydrocarbon + Nitrogen Oxides	CO BAG 3	Bag 3 Carbon Monoxide	
CO-COMP	SFTP Composite Carbon Monoxide	CO BAG 4	Bag 4 Carbon Monoxide	
ETHANOL	C2H5OH - Ethanol	NMOG BAG 1	Bag 1 Non-methane organic gases	
FE BAG 1	Bag 1 Fuel Economy	NMOG BAG 2	Bag 2 Non-methane organic gases	
FE BAG 2	Bag 2 Fuel Economy	NMOG BAG 3	Bag 3 Non-methane organic gases	
FE BAG 3	Bag 3 Fuel Economy	NMOG BAG 4	Bag 4 Non-methane organic gases	
FE BAG 4	Bag 4 Fuel Economy	ACT-DISTANCE BAG 1	Bag 1 Actual Distance	
MFR FE	Manufacturer Fuel Economy	ACT-DISTANCE BAG 2	Bag 2 Actual Distance	
HC	Hydrocarbon for Running Loss and ORVR	ACT-DISTANCE BAG 3	Bag 3 Actual Distance	
METHANE	CH4 - Methane	ACT-DISTANCE BAG 4	Bag 4 Actual Distance	
METHANOL	CH3OH - Methanol	HC-TOTAL BAG 1	Bag 1 Total Hydrocarbon	
N2O	Nitrous Oxide	HC-TOTAL BAG 2	Bag 2 Total Hydrocarbon	
SPITBACK	Spitback Hydrocarbon in grams	HC-TOTAL BAG 3	Bag 3 Total Hydrocarbon	
AMP-HRS	Integrated Amp-hours	HC-TOTAL BAG 4	Bag 4 Total Hydrocarbon	
START-SOC	System Start State of Charge Watt-hours	WATT-HRS BAG 1	Bag 1 Watt Hours	
END-SOC	System End State of Charge Watt-hours	WATT-HRS BAG 2	Bag 2 Watt Hours	

Certification Summary Information Report

Test Group		VNSXJ01.5G3F	Evaporative/Refueling Family		VNSXR0128PKA
ACT-DISTANCE	Actual Distance Driven (miles)		WATT-HRS BAG 3	Bag 3 Watt Hours	
AS-VOLT	Average System Voltage		WATT-HRS BAG 4	Bag 4 Watt Hours	
CO2 BAG 1	Bag 1 Carbon Dioxide		WATT-HRS	Watt Hours	
CO2 BAG 2	Bag 2 Carbon Dioxide		HC-NM BAG 1	Bag 1 Non-methane Hydrocarbon	
CO2 BAG 3	Bag 3 Carbon Dioxide		HC-NM BAG 2	Bag 2 Non-methane Hydrocarbon	
CO2 BAG 4	Bag 4 Carbon Dioxide		HC-NM BAG 3	Bag 3 Non-methane Hydrocarbon	
NMOG+NOX	Non-methane organic gases plus Nitrogen Oxides		HC-NM BAG 4	Bag 4 Non-methane Hydrocarbon	
NMOG+NOX-COMP	SFTP Composite Non-methane Organic Gases + Nitrogen Oxides		N2O BAG 1	Bag 1 Nitrous Oxide	
DT-IWRR	Drive Trace Inertia Work Ratio Rating		N2O BAG 2	Bag 2 Nitrous Oxide	
DT-ASCR	Drive Trace Absolute Speed Change Rating		N2O BAG 3	Bag 3 Nitrous Oxide	
DT-EER	Drive Trace Energy Economy Rating		N2O BAG 4	Bag 4 Nitrous Oxide	
Certification Region					
CA	California + CAA Section 177 states		FA	Federal	
Exhaust Emission Standard Level					
B1	Federal Tier 2 Bin 1		HDV2B340	Federal Tier 3 HD Class 2b Transitional Bin 340	
B2	Federal Tier 2 Bin 2		HDV2B250	Federal Tier 3 HD Class 2b Bin 250	
B3	Federal Tier 2 Bin 3		HDV2B200	Federal Tier 3 HD Class 2b Bin 200	
B4	Federal Tier 2 Bin 4		HDV2B170	Federal Tier 3 HD Class 2b Bin 170	
B5	Federal Tier 2 Bin 5		HDV2B150	Federal Tier 3 HD Class 2b Bin 150	
B6	Federal Tier 2 Bin 6		HDV2B0	Federal Tier 3 HD Class 2b Bin 0	
B7	Federal Tier 2 Bin 7		HDV3B630	Federal Tier 3 HD Class 3 Transitional Bin 630	
B8	Federal Tier 2 Bin 8		HDV3B570	Federal Tier 3 HD Class 3 Transitional Bin 570	
B9	Federal Tier 2 Bin 9		HDV3B400	Federal Tier 3 HD Class 3 Bin 400	
B10	Federal Tier 2 Bin 10		HDV3B270	Federal Tier 3 HD Class 3 Bin 270	
B11	Federal Tier 2 Bin 11		HDV3B230	Federal Tier 3 HD Class 3 Bin 230	
HDV1	HDV1 (Federal HD chassis Class 2b GVW 8501-10000)		HDV3B200	Federal Tier 3 HD Class 3 Bin 200	
HDV2	HDV2 (Federal HD chassis Class 3 GVW 10001-14000)		HDV3B0	Federal Tier 3 HD Class 3 Bin 0	
L2	California LEV-II LEV		L4SULEV100	California LEV-IV SULEV100	
L2OP	California LEV-II LEV Optional		L4SULEV125	California LEV-IV SULEV125	
U2	California LEV-II ULEV		L4SULEV15	California LEV-IV SULEV15	
S2	California LEV-II SULEV		L4SULEV150	California LEV-IV SULEV150	
ZEV	California ZEV		L4SULEV170	California LEV-IV SULEV170	
OT	Other		L4SULEV175	California LEV-IV SULEV175	
T1	Federal Tier 1		L4SULEV20	California LEV-IV SULEV20	
PZEV	California PZEV		L4SULEV200	California LEV-IV SULEV200	
L2LEV160	California LEV-II LEV160		L4SULEV230	California LEV-IV SULEV230	
L2ULEV125	California LEV-II ULEV125		L4SULEV25	California LEV-IV SULEV25	
L2SULEV30	California LEV-II SULEV30		L4SULEV30	California LEV-IV SULEV30	
L2LEV395	California LEV-II LEV395		L4SULEV75	California LEV-IV SULEV75	

Certification Summary Information Report

Test Group		VNSXJ01.5G3F	Evaporative/Refueling Family		VNSXR0128PKA
L2ULEV340	California LEV-II ULEV340		L4SULEV85	California LEV-IV SULEV85	
L2LEV630	California LEV-II LEV630		L4ULEV125	California LEV-IV ULEV125	
L2ULEV570	California LEV-II ULEV570		L4ULEV200	California LEV-IV ULEV200	
L3LEV160	California LEV-III LEV160		L4ULEV250	California LEV-IV ULEV250	
L3ULEV125	California LEV-III ULEV125		L4ULEV270	California LEV-IV ULEV270	
L3ULEV70	California LEV-III ULEV70		L4ULEV40	California LEV-IV ULEV40	
L3ULEV50	California LEV-III ULEV50		L4ULEV400	California LEV-IV ULEV400	
L3SULEV30	California LEV-III SULEV30		L4ULEV50	California LEV-IV ULEV50	
L3SULEV20	California LEV-III SULEV20		L4ULEV60	California LEV-IV ULEV60	
L3LEV395	California LEV-III LEV395		L4ULEV70	California LEV-IV ULEV70	
L3ULEV340	California LEV-III ULEV340		T4B170	Federal Tier 4 MDV Bin 170	
L3ULEV250	California LEV-III ULEV250		T4B150	Federal Tier 4 MDV Bin 150	
L3ULEV200	California LEV-III ULEV200		T4B125	Federal Tier 4 MDV Bin 125	
L3SULEV170	California LEV-III SULEV170		T4B100	Federal Tier 4 MDV Bin 100	
L3SULEV150	California LEV-III SULEV150		T4B85	Federal Tier 4 MDV Bin 85	
L3LEV630	California LEV-III LEV630		T4B75	Federal Tier 4 MDV Bin 75	
L3ULEV570	California LEV-III ULEV570		T4B70	Federal Tier 4 Bin 70	
L3ULEV400	California LEV-III ULEV400		T4B65	Federal Tier 4 Bin 65	
L3ULEV270	California LEV-III ULEV270		T4B60	Federal Tier 4 Bin 60	
L3SULEV230	California LEV-III SULEV230		T4B55	Federal Tier 4 Bin 55	
L3SULEV200	California LEV-III SULEV200		T4B50	Federal Tier 4 Bin 50	
T3B160	Federal Tier 3 Bin 160		T4B45	Federal Tier 4 Bin 45	
T3B125	Federal Tier 3 Bin 125		T4B40	Federal Tier 4 Bin 40	
T3B110	Federal Tier 3 Transitional Bin 110		T4B35	Federal Tier 4 Bin 35	
T3B85	Federal Tier 3 Transitional Bin 85		T4B30	Federal Tier 4 Bin 30	
T3SULEV30	Federal Tier 3 Transitional LEV-II SULEV30 Carryover		T4B25	Federal Tier 4 Bin 25	
T3B70	Federal Tier 3 Bin 70		T4B20	Federal Tier 4 Bin 20	
T3B50	Federal Tier 3 Bin 50		T4B15	Federal Tier 4 Bin 15	
T3B30	Federal Tier 3 Bin 30		T4B10	Federal Tier 4 Bin 10	
T3B20	Federal Tier 3 Bin 20		T4B5	Federal Tier 4 Bin 5	
T3B0	Federal Tier 3 Bin 0		T4B0	Federal Tier 4 Bin 0	
HDV2B395	Federal Tier 3 HD Class 2b Transitional Bin 395				
Transmission Type Code					
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)		
Drive System Code					
4	4-Wheel Drive	P	Part-time 4-Wheel Drive		

Certification Summary Information Report

Test Group		VNSXJ01.5G3F	Evaporative/Refueling Family		VNSXR0128PKA
F	2-Wheel Drive, Front		A	All Wheel Drive	
R	2-Wheel Drive, Rear				
Additional Terms and Acronyms					
AFC	Alternative Fuel Converter		ICI	Independent Commercial Importer	
CSI	Certificate Summary Information		ORVR	Onboard Refueling Vapor Recovery	
DF	Deterioration Factor		SIL	Shift Indicator Light	
Evap	Evaporation, Evaporative		Trans	Transmission	

Certification Summary Information Report

Manufacturer	Nissan Motor Co., Ltd.	Manufacturer Code	NSX
Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PLA
Certificate Number	--	CARB Executive Order #	--
Certificate Issue Date	--	Certificate Revision Date	--
Certificate Effective Date	--	Conditional Certificate	--
CSI Revision #	--	CSI Submission/Revision Date	06/23/2026 05:07:19 AM
Model Year	2027		

Test Group Information

CSI Type	Update for Correction	Running Change Reference Number	--
GHG Exempt Status	Not Exempt		

Drive Sources and Fuel(s)

Drive Source #1: Combustion Engine

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

Hybrid Indicator	No		
Multiple Fuel Storage	--	Rechargeable Energy Storage System Indicator	--
Multiple Fuel Combustion	--	Off-board Charge Capable Indicator	--
Fuel Cell Indicator	--	EPA Vehicle Class	LDV, LDT2
Federal Clean Fuel Vehicle	No	Federal Clean Fuel Vehicle Standard	--
Federal Clean Fuel Vehicle ILEV	No	California Partial Zero Emissions Vehicle Indicator	No
Durability Group Name	VNSXGPGNNAAR	Durability Group Equivalency Factor	1.8
Reduced Fee Test Group	No	Certification Region Code(s)	FA, CA
Complies with HD GHG 2b/3 regulations?	No		
Introduction into Commerce Date	--	CAP2000 Conditional Certificate?	N/A
Independent Commercial Importer?	--	Alternative Fuel Converter Certificate?	--
SFTP Federal Composite Compliance Identifier	Tier 3	SFTP Tier 2 Composite CO Option	No
SFTP LEV-III Composite Compliance Indicator	Yes		
OBD Compliance Type	CARB	OBD Demonstration Vehicle Test Group	VNSXT01.53CF
Test Group OBD Compliance Level	Partial - with deficiencies	Number of Test Group OBD Deficiencies	1
OBD Deficiencies Comments	The OBD approval letter (E-26-146). Deficiencies: Lack of MIL Illumination for Some Safety-related Components. Other OBD Demonstration Vehicle Test Group(s) : VNSXJ02.0FVM.		
Mfr Test Group Comments	Nissan conducted FTP, HWY, US06, and SC03 using Tier3 E10 gasoline and Cold using Cold E10 gasoline for Litmus. Litmus result(Value / Threshold) City: 24.6 / 24.1 HWY: 27.1 / 25.8 Test No: VNSX10094502(FTP), VNSX10094331(HWY), VNSX10094332(US06), VNSX10094333(SC03), VNSX10094334(Cold)		
Mfr Exhaust / Evap Standards Comments	--		

Certification Summary Information Report

Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PLA				
Evaporative/Refueling Family Information							
Evaporative Summary Information Type	New	Submission/Correction Date	06/15/2026 03:11:03 AM				
Integrated ORVR?	Yes	Fuel(s)	Gasoline				
Multiple Fuel Storage	--						
Bladder Fuel Tank?	No						
Fuel Tank Material	Plastic	Fuel Tank Material Description	Plastic				
Fill Pipe Seal Type	Liquid seal						
Air Intake System Vapor Storage Device?	No	Air Intake System Vapor Storage Device Description	--				
Fuel System Vapor Storage Canister?	Yes	Other Vapor Storage	--				
Fuel System Vapor Storage Canister(s) Total Working Capacity (grams)	128	Number of Primary Canisters	1				
Number of Bleed Canisters	0	Bleed Canister Total Working Capacity (grams)	0				
Mfr Evaporative/Refueling Family Comments	--						
Leak Family Details							
Leak Family Indicator	Yes						
Canister Bleed Test Indicator	Yes	Applicability of Evaporative Canister Bleed Test	50 State				
Evaporative Canister Bleed Test Comments	--						
CARB Fuel Only (Rig) Test Indicator	No	Applicability of CARB Fuel Only (Rig) Test	--				
CARB Fuel Only (Rig) Test Comments	--						
Leak Family Name	Applicability of Leak Family Requirements	Leak Family Standard (inches)	Leak Family Description				
VNSXR0128PLA-001	50 State	0.02	Based on our engineering evaluation, this vehicle comply with the leak standard.				
Models Covered by this Certificate							
Carline Manufacturer	Division	Carline	Certification Region Code(s)	Drive System	Trans - Type	- # of Gears	Trans - Lockup
Nissan Motor Co., Ltd.	1 - NISSAN	103 - ROGUE AWD ROCK CREEK	Federal	All Wheel Drive	Selectable Continuously Variable (e.g. CVT with paddles)	8	Yes
Nissan Motor Co., Ltd.	1 - NISSAN	102 - ROGUE AWD	California + CAA Section 177 states	All Wheel Drive	Selectable Continuously Variable (e.g. CVT with paddles)	8	Yes
Nissan Motor Co., Ltd.	1 - NISSAN	102 - ROGUE AWD	Federal	All Wheel Drive	Selectable Continuously Variable (e.g. CVT with paddles)	8	Yes
Nissan Motor Co., Ltd.	1 - NISSAN	103 - ROGUE AWD ROCK CREEK	California + CAA Section 177 states	All Wheel Drive	Selectable Continuously Variable (e.g. CVT with paddles)	8	Yes

Certification Summary Information Report

Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PLA	
Engine Description				
Hybrid Type	--	Hybrid Description	--	
Engine Type	4-Stroke Spark Ignition	Mfr Engine Description	--	
Engine Block Arrangement	Inline	Mfr Engine Block Arrangement Description	--	
Camless Valvetrain Indicator	No	Oil Viscosity/Classification	SAE 0W-20	
Number of Cylinders/Rotors	3	Mechanically Variable Compression Ratio Indicator	Y	
After Treatment Device(s) (ATD)				
ATD Number	ATD Type	ATD Precious Metal	Substrate Material	Substrate Construction
1	Three-way catalyst	Platinum + Rhodium	Ceramic	Monolith
2	Three-way catalyst	Palladium + Rhodium	Ceramic	Monolith
Mfr After Treatment Device (ATD) Comments				
--				
Direct Ozone Reduction (DOR) Device				
Not Equipped				
Mfr Emission Control Device Comments				
--				
Engine Configuration Number 1				
Engine Displacement (liters)	1.5	Engine Rated Horsepower	201	
Number of Inlet Valves Per Cylinder	2	Number of Exhaust Valves Per Cylinder	2	
Air Aspiration Method	Turbocharged	Number of Air Aspiration Devices	1	
Air Aspiration Device Configuration	Single	Charge Air Cooler Type	Liquid	
Air Aspiration Drive Method(s)	Hydraulic			
Cylinder Deactivation	No			
Cylinder Deactivation Description	--			
Variable Valve Timing	Yes			
Variable Valve Timing System Description	EXH; ECM controlled, Oil pressure driven INT; ECM controlled, Motor driven			
Variable Valve Lift?	No			
Variable Valve Lift System Description	--			
Number of Knock Sensors	1	Number of Air/Fuel Sensors	2	
Air/Fuel Sensor # 1 Type	Air fuel	Air/Fuel Sensor # 1 Description	--	
Air/Fuel Sensor # 2 Type	Heated oxygen	Air/Fuel Sensor # 2 Description	--	
Mfr Air/Fuel Sensor Comments	--			
Exhaust Gas Recirculation	Yes	Cooled Exhaust Gas Recirculation	Yes	
EGR Type	Electronic/Electric	Exhaust Gas Recirculation Description if 'Other'	--	
Closed Loop Air Injection System	No			
Air Injection Type	--	Air Injection Type if 'Other'	--	
Mfr Engine Configuration Comments	--			

Certification Summary Information Report

Test Group		VNSXJ01.5G3F				Evaporative/Refueling Family			VNSXR0128PLA		
Official Test Numbers											
Test Group Fuel		FTP	US06	SC03	Cold CO	Highway	EPA City Litmus Value	EPA City Litmus Threshold	EPA Highway Litmus Value	EPA Highway Litmus Threshold	CREE Weighting Factor
Gasoline		VNSX10094502	VNSX10094332	VNSX10094333	VNSX10094334	VNSX10094331	24.7	24.2	27.1	26.0	--
SFTP LEV-III Official Test Numbers											
Test Group Fuel		FTP			US06		SC03				
Gasoline		VNSX10094502			VNSX10094332		VNSX10094333				

Certification Summary Information Report

Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PLA						
Emission Data Vehicle Information									
Vehicle ID / Configuration	CTB527 / 0	Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	MNSXT01.5A3A	Original Evaporative/Refueling Family	MNSXR0128PEA						
Original Test Vehicle Model Year	2021								
Vehicle Model									
Represented Test Vehicle Make	NISSAN	Represented Test Vehicle Model	ROGUE AWD SL/PLATINUM SL						
Leak Family Details									
Leak Family Identifier	001	Leak Family Name	MNSXR0128PEA-001						
Drive Sources and Fuel System Details									
	<table border="1"> <thead> <tr> <th>Drive Source and Fuel#</th><th>Drive Source</th><th>Fuel</th></tr> </thead> <tbody> <tr> <td>1</td><td>Combustion Engine</td><td>Gasoline</td></tr> </tbody> </table>	Drive Source and Fuel#	Drive Source	Fuel	1	Combustion Engine	Gasoline		
Drive Source and Fuel#	Drive Source	Fuel							
1	Combustion Engine	Gasoline							
Hybrid Indicator	No								
Multiple Fuel Storage	--	Multiple Fuel Combustion	--						
Fuel Cell Indicator	--	Rechargeable Energy Storage System Indicator	--						
Rechargeable Energy Storage System	--	Rechargeable Energy Storage System, if 'Other'	--						
Off-board charge Capable Indicator	--								
Odometer Correction -- Initial	0	Odometer Correction Factor	1.02						
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor								
Odometer Correction Units	Miles								
Engine Code	AR15DAC1	Rated Horsepower	201						
Displacement (liters)	1.5								
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	2-Wheel Drive, Front						
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)						
Curb Weight (lbs)	3707	Equivalent Test Weight (pounds)	4000						
GVWR (lbs)	4685	N/V Ratio	24.6						
Axle Ratio	5.68								
Transmission Type	Selectable Continuously Variable (e.g. CVT with paddles)	# of Transmission Gears	1						
Transmission Lockup	Yes	Creep Gear	No						

Certification Summary Information Report

Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PLA
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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	39.84	-0.4054	0.03085	16.07	-0.3332	0.02884	12.9
Cold CO	44.27	-0.4504	0.03428	18.28	-0.4274	0.03428	N/A
US06	39.84	-0.4054	0.03085	16.07	-0.3332	0.02884	N/A

Emission Control Device Comments --

Manufacturer Test Vehicle Comments Sport mode

Test #	MNSX10067315	Test Procedure	27 - California fuel 2-day evap
Exhaust Test # for this Evap Test	MNSX10067314	Test Fuel Type	46 - CARB LEV3 E10 Regular Gasoline
Test Date	09/17/2020	Fuel	Gasoline
Fuel Batch ID	WE0A04	Fuel Calibration Number	1
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	560-2 Okatsukoku		
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)		
Test Start Odometer Reading	4476	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	No

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.245	--

Manufacturer Test Comments --

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	0.2450	0.0000	0.245	0.400	Pass
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.2450	0.0000	0.245	0.400	Pass

Certification Summary Information Report

Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PLA
Test #	MNSX10067326	Test Procedure	38 - CA fuel 3-day evap.
Exhaust Test # for this Evap Test	MNSX10067324	Test Fuel Type	46 - CARB LEV3 E10 Regular
Test Date	10/09/2020	Fuel	Gasoline
Fuel Batch ID	WG0A06	Fuel Calibration Number	1
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	560-2 Okatsukoku		
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)		
Test Start Odometer Reading	4962	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	No

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.16	--

Manufacturer Test Comments --

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	0.1600	0.0000	0.160	0.400	Pass
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.1600	0.0000	0.160	0.400	Pass

Certification Summary Information Report

Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PLA						
Test #	MNSX10067325	Test Procedure	37 - California Fuel Running Loss						
Exhaust Test # for this Evap Test	MNSX10067324	Test Fuel Type	46 - CARB LEV3 E10 Regular Gasoline						
Test Date	10/09/2020	Fuel	Gasoline						
Fuel Batch ID	WG0A06	Fuel Calibration Number	1						
Vehicle Class	N/A	DF Type	Mfr. Determined						
Verify Test Lab ID	560-2 Okatsukoku								
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)								
Test Start Odometer Reading	4945	Odometer Units	M						
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--						
State of Charge Delta	--								
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes						
Test Results									
<table border="1"> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value (miles per gallon)</th> </tr> <tr> <td>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</td> <td>0.0004995</td> <td>--</td> </tr> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.0004995	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)							
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.0004995	--							
Manufacturer Test Comments --									
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	0.000	0.00	0.05	Pass	
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.000	0.000	0.00	0.01	Pass	

Certification Summary Information Report

Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PLA
Test #	MNSX10067355	Test Procedure	65 - Evap Canister Bleed Test
Exhaust Test # for this Evap Test	--	Test Fuel Type	46 - CARB LEV3 E10 Regular Gasoline
Test Date	06/04/2020	Fuel	Gasoline
Fuel Batch ID	WH9-12	Fuel Calibration Number	9999
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	560-2 Okatsukoku		
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)		
Test Start Odometer Reading	9999	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	No

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.0057	--

Manufacturer Test Comments

Vehicle ID, Vehicle Configuration Number and Drive Cycle Speed Tolerance Criteria are EDV information. Test Start Odometer Reading is entered for a dummy.

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	0.0057	0.0000	0.006	0.020	Pass
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.0057	0.0000	0.006	0.020	Pass

Certification Summary Information Report

Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PLA						
Emission Data Vehicle Information									
Vehicle ID / Configuration	CTB527 / 1	Manufacturer Vehicle Configuration Number	1						
Original Test Group Name	MNSXT01.5A3A	Original Evaporative/Refueling Family	MNSXR0128PEA						
Original Test Vehicle Model Year	2021								
Vehicle Model									
Represented Test Vehicle Make	NISSAN	Represented Test Vehicle Model	ROGUE AWD SL/PLATINUM SL						
Leak Family Details									
Leak Family Identifier	001	Leak Family Name	MNSXR0128PEA-001						
Drive Sources and Fuel System Details									
	<table border="1"> <tr> <th>Drive Source and Fuel#</th><th>Drive Source</th><th>Fuel</th></tr> <tr> <td>1</td><td>Combustion Engine</td><td>Gasoline</td></tr> </table>	Drive Source and Fuel#	Drive Source	Fuel	1	Combustion Engine	Gasoline		
Drive Source and Fuel#	Drive Source	Fuel							
1	Combustion Engine	Gasoline							
Hybrid Indicator	No								
Multiple Fuel Storage	--	Multiple Fuel Combustion	--						
Fuel Cell Indicator	--	Rechargeable Energy Storage System Indicator	--						
Rechargeable Energy Storage System	--	Rechargeable Energy Storage System, if 'Other'	--						
Off-board charge Capable Indicator	--								
Odometer Correction -- Initial	0	Odometer Correction Factor	1.02						
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor								
Odometer Correction Units	Miles								
Engine Code	AR15DAC1	Rated Horsepower	201						
Displacement (liters)	1.5								
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	2-Wheel Drive, Front						
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)						
Curb Weight (lbs)	3707	Equivalent Test Weight (pounds)	4000						
GVWR (lbs)	4685	N/V Ratio	24.6						
Axle Ratio	5.68								
Transmission Type	Selectable Continuously Variable (e.g. CVT with paddles)	# of Transmission Gears	1						
Transmission Lockup	Yes	Creep Gear	No						
Dynamometer Coefficients:									
	Target Coefficients								
	Set Coefficients								
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)						
City/Highway/Evap	39.84	-0.4054	0.03085						
	A (lbf)	B (lbf/mph)	C (lbf/mph**2)						
	16.21	-0.2875	0.02842						
	EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients								
	12.9								

Certification Summary Information Report

Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PLA						
Emission Control Device Comments	--								
Manufacturer Test Vehicle Comments	Sport mode								
Test #	MNSX10067313	Test Procedure	24 - Federal fuel refueling test (ORVR)						
Exhaust Test # for this Evap Test	MNSX10067312	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)						
Test Date	08/21/2020	Fuel	Gasoline						
Fuel Batch ID	WL8-04	Fuel Calibration Number	1						
Vehicle Class	N/A	DF Type	Mfr. Determined						
Verify Test Lab ID	560-2 Okatsukoku								
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)								
Test Start Odometer Reading	4337	Odometer Units	M						
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--						
State of Charge Delta	--								
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	No						
Test Results									
<table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value (miles per gallon)</th> </tr> </thead> <tbody> <tr> <td>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</td> <td>0.099</td> <td>--</td> </tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.099	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)							
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.099	--							
Manufacturer Test Comments --									
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	0.099	0.016	0.12	0.20	Pass	
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.099	0.016	0.12	0.20	Pass	

Certification Summary Information Report

Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PLA						
Emission Data Vehicle Information									
Vehicle ID / Configuration	CTCU04 / 0	Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	VNSXJ01.5G3F	Original Evaporative/Refueling Family	VNSXR0128PLA						
Original Test Vehicle Model Year	2027								
Vehicle Model									
Represented Test Vehicle Make	NISSAN	Represented Test Vehicle Model	ROGUE AWD ROCK CREEK						
Leak Family Details									
Leak Family Identifier	001	Leak Family Name	VNSXR0128PLA-001						
Drive Sources and Fuel System Details									
	<table border="1"> <tr> <th>Drive Source and Fuel#</th><th>Drive Source</th><th>Fuel</th></tr> <tr> <td>1</td><td>Combustion Engine</td><td>Gasoline</td></tr> </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	108	Odometer Correction Factor	0.978						
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor								
Odometer Correction Units	Miles								
Engine Code	AR15DAC6	Rated Horsepower	201						
Displacement (liters)	1.5								
Air Aspiration Method	Turbocharged	Air Aspiration Method, if 'Other'							
Number of Air Aspiration Devices	1	Air Aspiration Device Configuration	Single						
Charge Air Cooler Type	Liquid	Drive Mode While Testing	2-Wheel Drive, Front						
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)						
Curb Weight (lbs)	3661	Equivalent Test Weight (pounds)	4000						
GVWR (lbs)	4773	N/V Ratio	25						
Axle Ratio	5.68								
Transmission Type	Selectable Continuously Variable (e.g. CVT with paddles)	# of Transmission Gears	8						
Transmission Lockup	Yes	Creep Gear	No						

Certification Summary Information Report

Test Group		VNSXJ01.5G3F			Evaporative/Refueling Family		VNSXR0128PLA	
Dynamometer Coefficients:								
Target Coefficients				Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients	
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)		
City/Highway/Evap	44.88	-0.2806	0.02996	21.42	-0.1954	0.02788	14.1	
Cold CO	49.87	-0.3118	0.03329	19.77	-0.2671	0.03094	N/A	
US06	44.88	-0.2806	0.02996	21.42	-0.1954	0.02788	N/A	
Emission Control Device Comments		--						
Manufacturer Test Vehicle Comments		Sport mode.						

Certification Summary Information Report

Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PLA																																	
Test #	VNSX10094330	Test Procedure	49 - Quick-Driveway (QD)																																	
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)																																	
Test Date	05/11/2026	Fuel	Gasoline																																	
Fuel Batch ID	480555	Fuel Calibration Number	2																																	
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined																																	
Verify Test Lab ID	560-2 Okatsukoku																																			
E10 Evaporative Test Measurement Method	--																																			
Test Start Odometer Reading	4355	Odometer Units	M																																	
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--																																	
State of Charge Delta	--																																			
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes																																	
Test Results																																				
<table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value (miles per gallon)</th> </tr> </thead> <tbody> <tr> <td>METHANE (CH4 - Methane)</td> <td>0.0015315</td> <td>--</td> </tr> <tr> <td>CO (Carbon Monoxide)</td> <td>0.0382872</td> <td>--</td> </tr> <tr> <td>DT-ASCR (Drive Trace Absolute Speed Change Rating)</td> <td>0.87</td> <td>--</td> </tr> <tr> <td>DT-EER (Drive Trace Energy Economy Rating)</td> <td>-0.4</td> <td>--</td> </tr> <tr> <td>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</td> <td>1.46</td> <td>--</td> </tr> <tr> <td>MFR FE (Manufacturer Fuel Economy)</td> <td>31.9</td> <td>31.9</td> </tr> <tr> <td>NOX (Nitrogen Oxide)</td> <td>0.0063229</td> <td>--</td> </tr> <tr> <td>HC-NM (Non-methane Hydrocarbon)</td> <td>0.003872</td> <td>--</td> </tr> <tr> <td>NMOG (Non-methane organic gases)</td> <td>0.0042528</td> <td>--</td> </tr> <tr> <td>HC-TOTAL (Total Hydrocarbon)</td> <td>0.0053833</td> <td>--</td> </tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	METHANE (CH4 - Methane)	0.0015315	--	CO (Carbon Monoxide)	0.0382872	--	DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.87	--	DT-EER (Drive Trace Energy Economy Rating)	-0.4	--	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	1.46	--	MFR FE (Manufacturer Fuel Economy)	31.9	31.9	NOX (Nitrogen Oxide)	0.0063229	--	HC-NM (Non-methane Hydrocarbon)	0.003872	--	NMOG (Non-methane organic gases)	0.0042528	--	HC-TOTAL (Total Hydrocarbon)	0.0053833	--
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Manufacturer Test Comments	--																																			

Certification Summary Information Report

Test Group		VNSXJ01.5G3F				Evaporative/Refueling Family				VNSXR0128PLA		
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	0.0043	1	1.09836	--	0.0005	--	0.005	999.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0106	--	--	--	--	--	0.011	0.042	Pass
CA	150,000 miles	California LEV-IV SULEV30	NOX	0.0063	--	--	--	0.0001	--	0.006	999.999	Pass

Certification Summary Information Report

Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PLA
Test #	VNSX10094334	Test Procedure	11 - Cold CO
Exhaust Test # for this Evap Test	--	Test Fuel Type	28 - Cold CO E10 Regular Gasoline (Tier 3)
Test Date	05/22/2026	Fuel	Gasoline
Fuel Batch ID	280406	Fuel Calibration Number	3
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	560-2 Okatsukoku		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4514	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
Test Results			

Certification Summary Information Report

Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PLA																																																																										
	<table><tr><th>Test Result Name</th><th>Unrounded Test Result</th><th>Verify Calculated FE Equivalent Value (miles per gallon)</th></tr><tr><td>CO2 BAG 1 (Bag 1 Carbon Dioxide)</td><td>402.4164861</td><td>--</td></tr><tr><td>CO BAG 1 (Bag 1 Carbon Monoxide)</td><td>2.9974459</td><td>--</td></tr><tr><td>FE BAG 1 (Bag 1 Fuel Economy)</td><td>21.3</td><td>21.3</td></tr><tr><td>CH4 BAG 1 (Bag 1 Methane)</td><td>0.0390192</td><td>--</td></tr><tr><td>NMOG BAG 1 (Bag 1 Non-methane organic gases)</td><td>0.395433</td><td>--</td></tr><tr><td>CO2 BAG 2 (Bag 2 Carbon Dioxide)</td><td>309.7720327</td><td>--</td></tr><tr><td>CO BAG 2 (Bag 2 Carbon Monoxide)</td><td>0.0567501</td><td>--</td></tr><tr><td>FE BAG 2 (Bag 2 Fuel Economy)</td><td>28</td><td>28</td></tr><tr><td>CH4 BAG 2 (Bag 2 Methane)</td><td>0.0009607</td><td>--</td></tr><tr><td>NMOG BAG 2 (Bag 2 Non-methane organic gases)</td><td>0.0003432</td><td>--</td></tr><tr><td>CO2 BAG 3 (Bag 3 Carbon Dioxide)</td><td>298.0273565</td><td>--</td></tr><tr><td>CO BAG 3 (Bag 3 Carbon Monoxide)</td><td>0.0332402</td><td>--</td></tr><tr><td>FE BAG 3 (Bag 3 Fuel Economy)</td><td>29.2</td><td>29.2</td></tr><tr><td>CH4 BAG 3 (Bag 3 Methane)</td><td>0.0028385</td><td>--</td></tr><tr><td>NMOG BAG 3 (Bag 3 Non-methane organic gases)</td><td>0.0007574</td><td>--</td></tr><tr><td>METHANE (CH4 - Methane)</td><td>0.0093788</td><td>--</td></tr><tr><td>CO (Carbon Monoxide)</td><td>0.6608185</td><td>--</td></tr><tr><td>DT-ASCR (Drive Trace Absolute Speed Change Rating)</td><td>2.22</td><td>--</td></tr><tr><td>DT-EER (Drive Trace Energy Economy Rating)</td><td>0.84</td><td>--</td></tr><tr><td>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</td><td>3.7</td><td>--</td></tr><tr><td>MFR FE (Manufacturer Fuel Economy)</td><td>26.6</td><td>26.6</td></tr><tr><td>HC-NM (Non-methane Hydrocarbon)</td><td>0.0749038</td><td>--</td></tr><tr><td>NMOG (Non-methane organic gases)</td><td>0.0824841</td><td>--</td></tr><tr><td>HC-TOTAL (Total Hydrocarbon)</td><td>0.0829672</td><td>--</td></tr></table>	Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	CO2 BAG 1 (Bag 1 Carbon Dioxide)	402.4164861	--	CO BAG 1 (Bag 1 Carbon Monoxide)	2.9974459	--	FE BAG 1 (Bag 1 Fuel Economy)	21.3	21.3	CH4 BAG 1 (Bag 1 Methane)	0.0390192	--	NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.395433	--	CO2 BAG 2 (Bag 2 Carbon Dioxide)	309.7720327	--	CO BAG 2 (Bag 2 Carbon Monoxide)	0.0567501	--	FE BAG 2 (Bag 2 Fuel Economy)	28	28	CH4 BAG 2 (Bag 2 Methane)	0.0009607	--	NMOG BAG 2 (Bag 2 Non-methane organic gases)	0.0003432	--	CO2 BAG 3 (Bag 3 Carbon Dioxide)	298.0273565	--	CO BAG 3 (Bag 3 Carbon Monoxide)	0.0332402	--	FE BAG 3 (Bag 3 Fuel Economy)	29.2	29.2	CH4 BAG 3 (Bag 3 Methane)	0.0028385	--	NMOG BAG 3 (Bag 3 Non-methane organic gases)	0.0007574	--	METHANE (CH4 - Methane)	0.0093788	--	CO (Carbon Monoxide)	0.6608185	--	DT-ASCR (Drive Trace Absolute Speed Change Rating)	2.22	--	DT-EER (Drive Trace Energy Economy Rating)	0.84	--	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	3.7	--	MFR FE (Manufacturer Fuel Economy)	26.6	26.6	HC-NM (Non-methane Hydrocarbon)	0.0749038	--	NMOG (Non-methane organic gases)	0.0824841	--	HC-TOTAL (Total Hydrocarbon)	0.0829672	--	
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Manufacturer Test Comments	--																																																																												

Certification Summary Information Report

Test Group		VNSXJ01.5G3F				Evaporative/Refueling Family				VNSXR0128PLA		
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	0.66	--	--	--	0.01	--	0.7	10.0	Pass
Fed	120,000 miles	Federal Tier 3 Bin 30	HC-NM	0.07	--	--	--	0.00	--	0.1	0.3	Pass
CA	50,000 miles	California LEV-IV SULEV30	CO	0.66	--	--	--	0.01	--	0.7	10.0	Pass

Certification Summary Information Report

Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PLA
Test #	VNSX10094335	Test Procedure	52 - Fed. fuel 50 F exh.
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	05/13/2026	Fuel	Gasoline
Fuel Batch ID	480555	Fuel Calibration Number	2
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	560-2 Okatsukoku		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4403	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
METHANE (CH4 - Methane)	0.0028946	--
CO (Carbon Monoxide)	0.1420814	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	2.45	--
DT-EER (Drive Trace Energy Economy Rating)	0.95	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	3.61	--
MFR FE (Manufacturer Fuel Economy)	30.3	30.3
NOX (Nitrogen Oxide)	0.0117133	--
HC-NM (Non-methane Hydrocarbon)	0.0138226	--
NMOG (Non-methane organic gases)	0.0151822	--
HC-TOTAL (Total Hydrocarbon)	0.0162739	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	287.0211858	--

Manufacturer Test Comments --

Certification Summary Information Report

Test Group		VNSXJ01.5G3F				Evaporative/Refueling Family				VNSXR0128PLA		
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	0.14	--	--	--	0	--	0.1	1.0	Pass
CA	4,000 miles	California LEV-IV SULEV30	NMOG	0.0152	1	1.09836	--	0	--	0.015	999.999	Pass
CA	4,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0269	--	--	--	--	--	0.027	0.060	Pass
CA	4,000 miles	California LEV-IV SULEV30	NOX	0.0117	--	--	--	0	--	0.012	999.999	Pass

Certification Summary Information Report

Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PLA
Test #	VNSX10094502	Test Procedure	31 - Federal fuel 3-day exhaust
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	04/23/2026	Fuel	Gasoline
Fuel Batch ID	480555	Fuel Calibration Number	2
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	560-2 Okatsukoku		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4251	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
Test Results			

Certification Summary Information Report

Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PLA
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	
CO2 BAG 1 (Bag 1 Carbon Dioxide)	293.1996688	--	
CO BAG 1 (Bag 1 Carbon Monoxide)	0.0859265	--	
FE BAG 1 (Bag 1 Fuel Economy)	29.7	29.7	
CH4 BAG 1 (Bag 1 Methane)	0.0023989	--	
NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0103821	--	
CO2 BAG 2 (Bag 2 Carbon Dioxide)	261.2597941	--	
CO BAG 2 (Bag 2 Carbon Monoxide)	0.0229918	--	
FE BAG 2 (Bag 2 Fuel Economy)	33.3	33.3	
CH4 BAG 2 (Bag 2 Methane)	0.0009346	--	
NMOG BAG 2 (Bag 2 Non-methane organic gases)	-0.0002715	--	
CO2 BAG 3 (Bag 3 Carbon Dioxide)	263.8103459	--	
CO BAG 3 (Bag 3 Carbon Monoxide)	0.0140322	--	
FE BAG 3 (Bag 3 Fuel Economy)	33	33	
CH4 BAG 3 (Bag 3 Methane)	0.0015704	--	
NMOG BAG 3 (Bag 3 Non-methane organic gases)	-0.0002049	--	
METHANE (CH4 - Methane)	0.0014124	--	
CO (Carbon Monoxide)	0.0335717	--	
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.35	--	
DT-EER (Drive Trace Energy Economy Rating)	-0.08	--	
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.22	--	
HCHO (Formaldehyde)	8E-7	--	
MFR FE (Manufacturer Fuel Economy)	32.4	32.4	
NOX (Nitrogen Oxide)	0.0065147	--	
N2O (Nitrous Oxide)	0.0016962	--	
HC-NM (Non-methane Hydrocarbon)	0.0017789	--	
NMOG (Non-methane organic gases)	0.0019539	--	
PM (Particulate Matter)	0.0007978	--	
HC-TOTAL (Total Hydrocarbon)	0.0031727	--	
Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE	
Carbon-Related Exhaust Emissions	269.0567534	269	
Test Result Name	Unrounded Test Result	Verify Calculated CO2	
Carbon dioxide	268.5763618	--	

Certification Summary Information Report

Test Group		VNSXJ01.5G3F				Evaporative/Refueling Family				VNSXR0128PLA		
Manufacturer Test Comments --												
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	120,000 miles	Federal Tier 3 Bin 30	CREE	269	--	--	--	0.041462	--	269	--	--
Fed	120,000 miles	Federal Tier 3 Bin 30	METHANE	0.0014	--	--	--	0.0007	--	0.002	0.030	Pass
Fed	120,000 miles	Federal Tier 3 Bin 30	N2O	0.0017	--	--	--	0.0012	--	0.003	0.010	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	CO	0.03	--	--	--	0.03	--	0.1	1.0	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	CO-COMP	0.11	--	--	--	0	--	0.1	4.2	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0020	1	1.09836	--	0.0005	--	0.002	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX	0.0085	--	--	--	--	--	0.009	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX-COMP	0.0090	--	--	--	0	--	0.009	0.040	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0065	--	--	--	0.0001	--	0.007	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	PM	0.0008	--	--	--	0.0000	--	0.001	0.003	Pass
CA	150,000 miles	California LEV-IV SULEV30	CO	0.03	--	--	--	0.03	--	0.1	1.0	Pass
CA	150,000 miles	California LEV-IV SULEV30	METHANE	0.0014	--	--	--	0.0009	--	0.002	0.030	Pass
CA	150,000 miles	California LEV-IV SULEV30	N2O	0.0017	--	--	--	0.0015	--	0.003	0.010	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG	0.0020	1	1.09836	--	0.0005	--	0.002	999.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0085	--	--	--	--	--	0.009	0.030	Pass
CA	150,000 miles	California LEV-IV SULEV30	NOX	0.0065	--	--	--	0.0001	--	0.007	999.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	PM	0.0008	--	--	--	0.0000	--	0.001	0.001	Pass
NOTE: For Non-charge depleting tests, the Rounded Result for CREE/OPT-CREE Emission names are Verify-calculated values.												

Certification Summary Information Report

Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PLA
Test #	VNSX10094331	Test Procedure	3 - HWFE
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	04/23/2026	Fuel	Gasoline
Fuel Batch ID	480555	Fuel Calibration Number	2
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	560-2 Okatsukoku		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4262	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0.0309746	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	6.06	--
DT-EER (Drive Trace Energy Economy Rating)	0.75	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	7.34	--
MFR FE (Manufacturer Fuel Economy)	38.5	38.5
NOX (Nitrogen Oxide)	0.0011948	--
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	226.04713	226

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	225.5898602	--

Manufacturer Test Comments --

Certification Summary Information Report

Test Group		VNSXJ01.5G3F				Evaporative/Refueling Family				VNSXR0128PLA		
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	226	--	--	--	0.041462	--	226	--	--
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0000	1	1.03	--	0.0005	--	0.000	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX	0.0012	--	--	--	--	--	0.002	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0012	--	--	--	0.0001	--	0.001	999.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG	0.0000	1	1.03	--	0.0005	--	0.000	999.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0012	--	--	--	--	--	0.002	0.030	Pass
CA	150,000 miles	California LEV-IV SULEV30	NOX	0.0012	--	--	--	0.0001	--	0.001	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	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PLA
Test #	VNSX10094332	Test Procedure	90 - US06
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	04/23/2026	Fuel	Gasoline
Fuel Batch ID	480555	Fuel Calibration Number	2
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	560-2 Okatsukoku		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4285	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
CO2 BAG 1 (Bag 1 Carbon Dioxide)	499.0741104	--
CO BAG 1 (Bag 1 Carbon Monoxide)	0.2837375	--
FE BAG 1 (Bag 1 Fuel Economy)	17.4	17.4
CH4 BAG 1 (Bag 1 Methane)	0.0022549	--
NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0060534	--
CO2 BAG 2 (Bag 2 Carbon Dioxide)	297.5817884	--
CO BAG 2 (Bag 2 Carbon Monoxide)	0.1560377	--
FE BAG 2 (Bag 2 Fuel Economy)	29.2	29.2
CH4 BAG 2 (Bag 2 Methane)	0.0013273	--
NMOG BAG 2 (Bag 2 Non-methane organic gases)	0.0040992	--
METHANE (CH4 - Methane)	0.0015316	--
CO (Carbon Monoxide)	0.1841736	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-2.27	--
DT-EER (Drive Trace Energy Economy Rating)	-0.38	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-4.46	--
MFR FE (Manufacturer Fuel Economy)	25.4	25.4
NOX (Nitrogen Oxide)	0.0057859	--
HC-NM (Non-methane Hydrocarbon)	0.0043979	--
NMOG (Non-methane organic gases)	0.0045298	--
PM (Particulate Matter)	0.0005397	--
HC-TOTAL (Total Hydrocarbon)	0.0059094	--

Certification Summary Information Report

Test Group		VNSXJ01.5G3F				Evaporative/Refueling Family				VNSXR0128PLA		
				Test Result Name		Unrounded Test Result			Verify Calculated CO2			
				Carbon dioxide		341.9763177			--			
Manufacturer Test Comments				--								
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 30	CO	0.1842	--	--	--	0.03	--	0.214	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0045	1	1.03	--	0.0005	--	0.005	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0058	--	--	--	0.0001	--	0.006	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	PM	0.0005	--	--	--	0.0000	--	0.000	0.006	Pass
CA	150,000 miles	California LEV-IV SULEV30	CO	0.18	--	--	--	0.03	--	0.2	9.6	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG	0.0045	1	1.03	--	0.0005	--	0.005	999.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0103	--	--	--	--	--	0.011	0.030	Pass
CA	150,000 miles	California LEV-IV SULEV30	NOX	0.0058	--	--	--	0.0001	--	0.006	999.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	PM	0.0005	--	--	--	0.0000	--	0.000	0.003	Pass

Certification Summary Information Report

Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PLA																																	
Test #	VNSX10094333	Test Procedure	95 - SC03																																	
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)																																	
Test Date	04/23/2026	Fuel	Gasoline																																	
Fuel Batch ID	480555	Fuel Calibration Number	2																																	
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined																																	
Verify Test Lab ID	560-2 Okatsukoku																																			
E10 Evaporative Test Measurement Method	--																																			
Test Start Odometer Reading	4302	Odometer Units	M																																	
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--																																	
State of Charge Delta	--																																			
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes																																	
Test Results																																				
<table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value (miles per gallon)</th> </tr> </thead> <tbody> <tr> <td>METHANE (CH4 - Methane)</td> <td>0.0010155</td> <td>--</td> </tr> <tr> <td>CO (Carbon Monoxide)</td> <td>0.0405479</td> <td>--</td> </tr> <tr> <td>DT-ASCR (Drive Trace Absolute Speed Change Rating)</td> <td>-0.22</td> <td>--</td> </tr> <tr> <td>DT-EER (Drive Trace Energy Economy Rating)</td> <td>-0.4</td> <td>--</td> </tr> <tr> <td>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</td> <td>-0.44</td> <td>--</td> </tr> <tr> <td>MFR FE (Manufacturer Fuel Economy)</td> <td>24.1</td> <td>24.1</td> </tr> <tr> <td>NOX (Nitrogen Oxide)</td> <td>0.0068199</td> <td>--</td> </tr> <tr> <td>HC-NM (Non-methane Hydrocarbon)</td> <td>0.0000932</td> <td>--</td> </tr> <tr> <td>NMOG (Non-methane organic gases)</td> <td>0.000096</td> <td>--</td> </tr> <tr> <td>HC-TOTAL (Total Hydrocarbon)</td> <td>0.0010954</td> <td>--</td> </tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	METHANE (CH4 - Methane)	0.0010155	--	CO (Carbon Monoxide)	0.0405479	--	DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.22	--	DT-EER (Drive Trace Energy Economy Rating)	-0.4	--	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.44	--	MFR FE (Manufacturer Fuel Economy)	24.1	24.1	NOX (Nitrogen Oxide)	0.0068199	--	HC-NM (Non-methane Hydrocarbon)	0.0000932	--	NMOG (Non-methane organic gases)	0.000096	--	HC-TOTAL (Total Hydrocarbon)	0.0010954	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)																																		
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DT-EER (Drive Trace Energy Economy Rating)	-0.4	--																																		
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.44	--																																		
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Manufacturer Test Comments	--																																			

Certification Summary Information Report

Test Group		VNSXJ01.5G3F				Evaporative/Refueling Family				VNSXR0128PLA		
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	0.0405	--	--	--	0.03	--	0.070	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0001	1	1.03	--	0.0005	--	0.001	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0068	--	--	--	0.0001	--	0.007	999.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	CO	0.04	--	--	--	0.03	--	0.1	1.0	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG	0.0001	1	1.03	--	0.0005	--	0.001	999.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0069	--	--	--	--	--	0.008	0.030	Pass
CA	150,000 miles	California LEV-IV SULEV30	NOX	0.0068	--	--	--	0.0001	--	0.007	999.999	Pass

Certification Summary Information Report

Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PLA
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Emission Data Vehicle Information

Vehicle ID / Configuration	CTCU04 / 1	Manufacturer Vehicle Configuration Number	1
Original Test Group Name	VNSXJ01.5G3F	Original Evaporative/Refueling Family	VNSXR0128PLA
Original Test Vehicle Model Year	2027		
Vehicle Model			
Represented Test Vehicle Make	NISSAN	Represented Test Vehicle Model	ROGUE AWD ROCK CREEK

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 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	108	Odometer Correction Factor	0.978
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor		
Odometer Correction Units	Miles		
Engine Code	AR15DAC6	Rated Horsepower	201
Displacement (liters)	1.5		
Air Aspiration Method	Turbocharged	Air Aspiration Method, if 'Other'	
Number of Air Aspiration Devices	1	Air Aspiration Device Configuration	Single
Charge Air Cooler Type	Liquid	Drive Mode While Testing	2-Wheel Drive, Front
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)
Curb Weight (lbs)	3661	Equivalent Test Weight (pounds)	4000
GVWR (lbs)	4773	N/V Ratio	25
Axle Ratio	5.68		
Transmission Type	Selectable Continuously Variable (e.g. CVT with paddles)	# of Transmission Gears	8
Transmission Lockup	Yes	Creep Gear	No

Dynamometer Coefficients:

Target Coefficients				Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	
City/Highway/Evap	44.88	-0.2806	0.02996	21.42	-0.1954	0.02788	14.1

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Certification Summary Information Report

Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PLA
Test #	VNSX10094336	Test Procedure	21 - Federal fuel 2-day exhaust (w/can load)
Exhaust Test # for this Evap Test	--	Test Fuel Type	61 - Tier 2 Cert Gasoline
Test Date	05/15/2026	Fuel	Gasoline
Fuel Batch ID	610586	Fuel Calibration Number	1
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	560-2 Okatsukoku		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4443	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
METHANE (CH4 - Methane)	0.0016351	--
CO (Carbon Monoxide)	0.06292	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.31	--
DT-EER (Drive Trace Energy Economy Rating)	0.1	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.26	--
MFR FE (Manufacturer Fuel Economy)	35.9	35.9
NOX (Nitrogen Oxide)	0.0050112	--
HC-NM (Non-methane Hydrocarbon)	0.0037653	--
NMOG (Non-methane organic gases)	0.003879	--
HC-TOTAL (Total Hydrocarbon)	0.0052998	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	248.1110725	248

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	247.6801455	--

Manufacturer Test Comments --

Certification Summary Information Report

Test Group		VNSXJ01.5G3F			Evaporative/Refueling Family					VNSXR0128PLA		
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	248	--	--	--	0.041462	--	248	--	--

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	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PLA
Test #	VNSX10094337	Test Procedure	3 - HWFE
Exhaust Test # for this Evap Test	--	Test Fuel Type	61 - Tier 2 Cert Gasoline
Test Date	05/15/2026	Fuel	Gasoline
Fuel Batch ID	610586	Fuel Calibration Number	1
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	560-2 Okatsukoku		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4455	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0.0160304	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.76	--
DT-EER (Drive Trace Energy Economy Rating)	-0.16	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.71	--
MFR FE (Manufacturer Fuel Economy)	46.6	46.6
NOX (Nitrogen Oxide)	0.0015393	--
HC-NM (Non-methane Hydrocarbon)	0.0002322	--
NMOG (Non-methane organic gases)	0.0002392	--
HC-TOTAL (Total Hydrocarbon)	0.0001311	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	191.0317372	191

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	191.2709389	--

Manufacturer Test Comments --

Certification Summary Information Report

Test Group		VNSXJ01.5G3F			Evaporative/Refueling Family					VNSXR0128PLA		
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	--	--	--	0.041462	--	191	--	--
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0002	1	1.03	--	0.0005	--	0.001	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX	0.0017	--	--	--	--	--	0.002	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0015	--	--	--	0.0001	--	0.002	999.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG	0.0002	1	1.03	--	0.0005	--	0.001	999.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0017	--	--	--	--	--	0.002	0.030	Pass
CA	150,000 miles	California LEV-IV SULEV30	NOX	0.0015	--	--	--	0.0001	--	0.002	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	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PLA
Fuel Properties			
Fuel Batch ID	WE0A04	Fuel Calibration Number	1
Test Fuel Type	46 - CARB LEV3 E10 Regular Gasoline	Fuel Batch Calibration Date	07/16/2020
Fuel Batch Calibration Effective Date	07/16/2020	Fuel Batch Calibration Ineffective Date	--
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.742
Fuel Ethanol Volume Percent (%)	9.8	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17838
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	--
Fuel Batch ID	480555	Fuel Calibration Number	2
Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	11/01/2025
Fuel Batch Calibration Effective Date	11/01/2025	Fuel Batch Calibration Ineffective Date	--
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.745
Fuel Ethanol Volume Percent (%)	9.6	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	--
Fuel Net Heat of Combustion (E10) (MJ/kg)	41.414	Fuel Carbon Mass Fraction (E10)	0.828
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	--	Weight Fraction CO2	--
Fuel Batch ID	WL8-04	Fuel Calibration Number	1
Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	10/14/2019
Fuel Batch Calibration Effective Date	10/14/2019	Fuel Batch Calibration Ineffective Date	--
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.739
Fuel Ethanol Volume Percent (%)	9.9	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17815
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	--
Fuel Batch ID	WH9-12	Fuel Calibration Number	9999
Test Fuel Type	46 - CARB LEV3 E10 Regular Gasoline	Fuel Batch Calibration Date	08/19/2019
Fuel Batch Calibration Effective Date	08/19/2019	Fuel Batch Calibration Ineffective Date	--
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--

Certification Summary Information Report

Test Group	VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PLA
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	--
Fuel Ethanol Volume Percent (%)	9.9	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	--
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	--	Weight Fraction CO2	--
Fuel Batch ID	610586	Fuel Calibration Number	1
Test Fuel Type	61 - Tier 2 Cert Gasoline	Fuel Batch Calibration Date	09/15/2025
Fuel Batch Calibration Effective Date	09/15/2025	Fuel Batch Calibration Ineffective Date	--
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.742
Fuel Ethanol Volume Percent (%)	--	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	18454
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.866	Weight Fraction CO2	--
Fuel Batch ID	WG0A06	Fuel Calibration Number	1
Test Fuel Type	46 - CARB LEV3 E10 Regular Gasoline	Fuel Batch Calibration Date	10/08/2020
Fuel Batch Calibration Effective Date	10/08/2020	Fuel Batch Calibration Ineffective Date	--
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.742
Fuel Ethanol Volume Percent (%)	9.8	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17838
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.825	Weight Fraction CO2	--
Fuel Batch ID	280406	Fuel Calibration Number	3
Test Fuel Type	28 - Cold CO E10 Regular Gasoline (Tier 3)	Fuel Batch Calibration Date	02/01/2026
Fuel Batch Calibration Effective Date	02/01/2026	Fuel Batch Calibration Ineffective Date	--
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.743
Fuel Ethanol Volume Percent (%)	10	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	--
Fuel Net Heat of Combustion (E10) (MJ/kg)	41.352	Fuel Carbon Mass Fraction (E10)	0.827
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	--	Weight Fraction CO2	--

Certification Summary Information Report

Test Group		VNSXJ01.5G3F			Evaporative/Refueling Family			VNSXR0128PLA		
Consolidated List of Standards										
Exhaust Standards										
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert		
Vehicle Class		LDV/Passenger Car			Standard Level			California LEV-IV SULEV30		
Fuel		Gasoline			Test Procedure			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	--	--	--	--	--	--	0.03	9.6	
150,000 miles	NMOG	--	1	1.03	--	--	--	0.0005	999.999	
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0	0.030	
150,000 miles	NOX	--	--	--	--	--	--	0.0001	999.999	
150,000 miles	PM	--	--	--	--	--	--	0.0000	0.003	
Cert Region		Federal			Cert/In-Use Code			Cert		
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 3 Bin 30		
Fuel		Gasoline			Test Procedure			HWFE		
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std	
120,000 miles	CREE	--	--	--	--	--	--	0.041462	999.999	
150,000 miles	NMOG	--	1	1.03	--	--	--	0.0005	999.999	
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0	0.030	
150,000 miles	NOX	--	--	--	--	--	--	0.0001	999.999	
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert		
Vehicle Class		LDV/Passenger Car			Standard Level			California LEV-IV SULEV30		
Fuel		Gasoline			Test Procedure			HWFE		
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std	
150,000 miles	NMOG	--	1	1.03	--	--	--	0.0005	999.999	
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0	0.030	
150,000 miles	NOX	--	--	--	--	--	--	0.0001	999.999	

Certification Summary Information Report

Test Group		VNSXJ01.5G3F			Evaporative/Refueling Family			VNSXR0128PLA	
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			California LEV-IV SULEV30	
Fuel		Gasoline			Test Procedure			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	--	--	--	--	--	--	0	1.0
4,000 miles	NMOG	--	1	1.09836	--	--	--	0	999.999
4,000 miles	NMOG+NOX	--	--	--	--	--	--	0	0.060
4,000 miles	NOX	--	--	--	--	--	--	0	999.999

Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			California LEV-IV SULEV30	
Fuel		Gasoline			Test Procedure			SC03	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	--	0.03	1.0
150,000 miles	NMOG	--	1	1.03	--	--	--	0.0005	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0	0.030
150,000 miles	NOX	--	--	--	--	--	--	0.0001	999.999

Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 3 Bin 30	
Fuel		Gasoline			Test Procedure			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	--	--	--	--	--	--	0.03	999.999
150,000 miles	NMOG	--	1	1.03	--	--	--	0.0005	999.999
150,000 miles	NOX	--	--	--	--	--	--	0.0001	999.999
150,000 miles	PM	--	--	--	--	--	--	0.0000	0.006

Certification Summary Information Report

Test Group		VNSXJ01.5G3F			Evaporative/Refueling Family			VNSXR0128PLA	
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 3 Bin 30	
Fuel		Gasoline			Test Procedure			Federal fuel 3-day exhaust	
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	--	--	--	--	--	--	0.041462	999.999
120,000 miles	METHANE	--	--	--	--	--	--	0.0007	0.030
120,000 miles	N2O	--	--	--	--	--	--	0.0012	0.010
150,000 miles	CO	--	--	--	--	--	--	0.03	1.0
150,000 miles	CO-COMP	--	--	--	--	--	--	0	4.2
150,000 miles	NMOG	--	1	1.09836	--	--	--	0.0005	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0	0.030
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	0	0.040
150,000 miles	NOX	--	--	--	--	--	--	0.0001	999.999
150,000 miles	PM	--	--	--	--	--	--	0.0000	0.003

Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 3 Bin 30	
Fuel		Gasoline			Test Procedure			Federal fuel 2-day exhaust (w/can load)	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
120,000 miles	CREE	--	--	--	--	--	--	0.041462	999.999

Certification Summary Information Report

Test Group		VNSXJ01.5G3F			Evaporative/Refueling Family			VNSXR0128PLA	
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			California LEV-IV SULEV30	
Fuel		Gasoline			Test Procedure			Federal fuel 3-day exhaust	
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	--	--	--	--	--	--	0.03	1.0
150,000 miles	METHANE	--	--	--	--	--	--	0.0009	0.030
150,000 miles	N2O	--	--	--	--	--	--	0.0015	0.010
150,000 miles	NMOG	--	1	1.09836	--	--	--	0.0005	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0	0.030
150,000 miles	NOX	--	--	--	--	--	--	0.0001	999.999
150,000 miles	PM	--	--	--	--	--	--	0.0000	0.001

Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			California LEV-IV SULEV30	
Fuel		Gasoline			Test Procedure			Cold CO	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
50,000 miles	CO	--	--	--	--	--	--	0.01	10.0

Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 3 Bin 30	
Fuel		Gasoline			Test Procedure			Cold CO	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
50,000 miles	CO	--	--	--	--	--	--	0.01	10.0
120,000 miles	HC-NM	--	--	--	--	--	--	0.00	0.3

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Test Group	VNSXJ01.5G3F				Evaporative/Refueling Family			VNSXR0128PLA	
Cert Region	California + CAA Section 177 states				Cert/In-Use Code			Cert	
Vehicle Class	LDV/Passenger Car				Standard Level			California LEV-IV SULEV30	
Fuel	Gasoline				Test Procedure			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	1.09836	--	--	--	0.0005	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0	0.042
150,000 miles	NOX	--	--	--	--	--	--	0.0001	999.999

Cert Region	Federal				Cert/In-Use Code			Cert	
Vehicle Class	LDV/Passenger Car				Standard Level			Federal Tier 3 Bin 30	
Fuel	Gasoline				Test Procedure			SC03	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	--	0.03	999.999
150,000 miles	NMOG	--	1	1.03	--	--	--	0.0005	999.999
150,000 miles	NOX	--	--	--	--	--	--	0.0001	999.999

Evaporative/Refueling Standards

Evaporative/Refueling Family		VNSXR0128PLA		Cert Region		Federal	
Cert/In-Use Code		Cert		Standard Level		Federal Tier 3 Evap	
Test Procedure		CA fuel 3-day evap.					
Fuel		Useful Life	Emission Name	Rounded Result	Std	Add DF	
Gasoline		150,000 miles	HC-TOTAL-EQUIV	--	0.400	0.0000	

Evaporative/Refueling Family		VNSXR0128PLA		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Cert		Standard Level		California LEV-IV Zero Evap (Option 2)	
Test Procedure		CA fuel 3-day evap.					
Fuel		Useful Life	Emission Name	Rounded Result	Std		Add DF
Gasoline		150,000 miles	HC-TOTAL-EQUIV	--	0.400		0.0000

Certification Summary Information Report

Test Group		VNSXJ01.5G3F		Evaporative/Refueling Family		VNSXR0128PLA	
Evaporative/Refueling Family		VNSXR0128PLA		Cert Region		Federal	
Cert/In-Use Code		Cert		Standard Level		Federal Tier 3 Evap	
Test Procedure		Evap Canister Bleed Test					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.020	0.0000		
Evaporative/Refueling Family		VNSXR0128PLA		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Cert		Standard Level		California LEV-IV Zero Evap (Option 2)	
Test Procedure		Evap Canister Bleed Test					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.020	0.0000		
Evaporative/Refueling Family		VNSXR0128PLA		Cert Region		Federal	
Cert/In-Use Code		Cert		Standard Level		Federal Tier 3 Evap	
Test Procedure		California fuel 2-day evap					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.400	0.0000		
Evaporative/Refueling Family		VNSXR0128PLA		Cert Region		Federal	
Cert/In-Use Code		Cert		Standard Level		Federal Tier 3 Evap	
Test Procedure		Federal fuel refueling test (ORVR)					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.20	0.016		
Evaporative/Refueling Family		VNSXR0128PLA		Cert Region		Federal	
Cert/In-Use Code		Cert		Standard Level		Federal Tier 3 Evap	
Test Procedure		California Fuel Running Loss					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.05	0.000		

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Test Group		VNSXJ01.5G3F		Evaporative/Refueling Family		VNSXR0128PLA	
Evaporative/Refueling Family		VNSXR0128PLA		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Cert		Standard Level		California LEV-IV Zero Evap (Option 2)	
Test Procedure		California Fuel Running Loss					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.01	0.000		
Evaporative/Refueling Family		VNSXR0128PLA		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Cert		Standard Level		California LEV-IV Zero Evap (Option 2)	
Test Procedure		California fuel 2-day evap					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.400	0.0000		
Evaporative/Refueling Family		VNSXR0128PLA		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Cert		Standard Level		California LEV-IV Zero Evap (Option 2)	
Test Procedure		Federal fuel refueling test (ORVR)					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.20	0.016		

Certification Summary Information Report

Test Group		VNSXJ01.5G3F	Evaporative/Refueling Family	VNSXR0128PLA
Glossary				
Useful Life				
4	4,000 miles	120	120,000 miles	
50	50,000 miles	150	150,000 miles	
100	100,000 miles			
Emission Name				
HC-TOTAL	Total Hydrocarbon	COMB-CREE	Combined Carbon-Related Exhaust Emissions	
CO	Carbon Monoxide	COMB-OPT-CREE	Combined Optional Carbon-Related Exhaust Emissions	
CO2	Carbon dioxide	HC-TOTAL-EQUIV	Total Hydrocarbon equivalent - Evap only	
CREE	Carbon-Related Exhaust Emissions	METHANE-COMB	Combined CH4 for HD 2b/3 vehicles only	
OPT-CREE	Optional Carbon-Related Exhaust Emissions	N2O-COMB	Combined Nitrous Oxide for HD 2b/3 vehicles only	
NOX	Nitrogen Oxide	LEAK-DIA	Effective Leak Diameter (inches)	
PM	Particulate Matter	LEAK-GAS CAP	Gas Cap Leakage (cc/min)	
PM-COMP	SFTP Composite Particulate Matter	CO2-COMB	Combined Carbon Dioxide for HD 2b/3 Vehicles Only	
HC-NM	Non-methane Hydrocarbon	KW-HRS	Integrated DC KW-HRS	
OMHCE	Organic material Hydrocarbon Equivalent	CH4 BAG 1	Bag 1 Methane	
OMNMHCE	Organic material non-methane HC equivalent	CH4 BAG 2	Bag 2 Methane	
NMOG	Non-methane organic gases	CH4 BAG 3	Bag 3 Methane	
HCHO	Formaldehyde	CH4 BAG 4	Bag 4 Methane	
H3C2HO	Acetaldehyde	CO BAG 1	Bag 1 Carbon Monoxide	
HC-NM+NOX	SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03	CO BAG 2	Bag 2 Carbon Monoxide	
HC-NM+NOX-COMP	SFTP Composite Non-methane Hydrocarbon + Nitrogen Oxides	CO BAG 3	Bag 3 Carbon Monoxide	
CO-COMP	SFTP Composite Carbon Monoxide	CO BAG 4	Bag 4 Carbon Monoxide	
ETHANOL	C2H5OH - Ethanol	NMOG BAG 1	Bag 1 Non-methane organic gases	
FE BAG 1	Bag 1 Fuel Economy	NMOG BAG 2	Bag 2 Non-methane organic gases	
FE BAG 2	Bag 2 Fuel Economy	NMOG BAG 3	Bag 3 Non-methane organic gases	
FE BAG 3	Bag 3 Fuel Economy	NMOG BAG 4	Bag 4 Non-methane organic gases	
FE BAG 4	Bag 4 Fuel Economy	ACT-DISTANCE BAG 1	Bag 1 Actual Distance	
MFR FE	Manufacturer Fuel Economy	ACT-DISTANCE BAG 2	Bag 2 Actual Distance	
HC	Hydrocarbon for Running Loss and ORVR	ACT-DISTANCE BAG 3	Bag 3 Actual Distance	
METHANE	CH4 - Methane	ACT-DISTANCE BAG 4	Bag 4 Actual Distance	
METHANOL	CH3OH - Methanol	HC-TOTAL BAG 1	Bag 1 Total Hydrocarbon	
N2O	Nitrous Oxide	HC-TOTAL BAG 2	Bag 2 Total Hydrocarbon	
SPITBACK	Spitback Hydrocarbon in grams	HC-TOTAL BAG 3	Bag 3 Total Hydrocarbon	
AMP-HRS	Integrated Amp-hours	HC-TOTAL BAG 4	Bag 4 Total Hydrocarbon	
START-SOC	System Start State of Charge Watt-hours	WATT-HRS BAG 1	Bag 1 Watt Hours	
END-SOC	System End State of Charge Watt-hours	WATT-HRS BAG 2	Bag 2 Watt Hours	

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Test Group		VNSXJ01.5G3F	Evaporative/Refueling Family		VNSXR0128PLA
ACT-DISTANCE	Actual Distance Driven (miles)		WATT-HRS BAG 3	Bag 3 Watt Hours	
AS-VOLT	Average System Voltage		WATT-HRS BAG 4	Bag 4 Watt Hours	
CO2 BAG 1	Bag 1 Carbon Dioxide		WATT-HRS	Watt Hours	
CO2 BAG 2	Bag 2 Carbon Dioxide		HC-NM BAG 1	Bag 1 Non-methane Hydrocarbon	
CO2 BAG 3	Bag 3 Carbon Dioxide		HC-NM BAG 2	Bag 2 Non-methane Hydrocarbon	
CO2 BAG 4	Bag 4 Carbon Dioxide		HC-NM BAG 3	Bag 3 Non-methane Hydrocarbon	
NMOG+NOX	Non-methane organic gases plus Nitrogen Oxides		HC-NM BAG 4	Bag 4 Non-methane Hydrocarbon	
NMOG+NOX-COMP	SFTP Composite Non-methane Organic Gases + Nitrogen Oxides		N2O BAG 1	Bag 1 Nitrous Oxide	
DT-IWRR	Drive Trace Inertia Work Ratio Rating		N2O BAG 2	Bag 2 Nitrous Oxide	
DT-ASCR	Drive Trace Absolute Speed Change Rating		N2O BAG 3	Bag 3 Nitrous Oxide	
DT-EER	Drive Trace Energy Economy Rating		N2O BAG 4	Bag 4 Nitrous Oxide	
Certification Region					
CA	California + CAA Section 177 states		FA	Federal	
Exhaust Emission Standard Level					
B1	Federal Tier 2 Bin 1		HDV2B340	Federal Tier 3 HD Class 2b Transitional Bin 340	
B2	Federal Tier 2 Bin 2		HDV2B250	Federal Tier 3 HD Class 2b Bin 250	
B3	Federal Tier 2 Bin 3		HDV2B200	Federal Tier 3 HD Class 2b Bin 200	
B4	Federal Tier 2 Bin 4		HDV2B170	Federal Tier 3 HD Class 2b Bin 170	
B5	Federal Tier 2 Bin 5		HDV2B150	Federal Tier 3 HD Class 2b Bin 150	
B6	Federal Tier 2 Bin 6		HDV2B0	Federal Tier 3 HD Class 2b Bin 0	
B7	Federal Tier 2 Bin 7		HDV3B630	Federal Tier 3 HD Class 3 Transitional Bin 630	
B8	Federal Tier 2 Bin 8		HDV3B570	Federal Tier 3 HD Class 3 Transitional Bin 570	
B9	Federal Tier 2 Bin 9		HDV3B400	Federal Tier 3 HD Class 3 Bin 400	
B10	Federal Tier 2 Bin 10		HDV3B270	Federal Tier 3 HD Class 3 Bin 270	
B11	Federal Tier 2 Bin 11		HDV3B230	Federal Tier 3 HD Class 3 Bin 230	
HDV1	HDV1 (Federal HD chassis Class 2b GVW 8501-10000)		HDV3B200	Federal Tier 3 HD Class 3 Bin 200	
HDV2	HDV2 (Federal HD chassis Class 3 GVW 10001-14000)		HDV3B0	Federal Tier 3 HD Class 3 Bin 0	
L2	California LEV-II LEV		L4SULEV100	California LEV-IV SULEV100	
L2OP	California LEV-II LEV Optional		L4SULEV125	California LEV-IV SULEV125	
U2	California LEV-II ULEV		L4SULEV15	California LEV-IV SULEV15	
S2	California LEV-II SULEV		L4SULEV150	California LEV-IV SULEV150	
ZEV	California ZEV		L4SULEV170	California LEV-IV SULEV170	
OT	Other		L4SULEV175	California LEV-IV SULEV175	
T1	Federal Tier 1		L4SULEV20	California LEV-IV SULEV20	
PZEV	California PZEV		L4SULEV200	California LEV-IV SULEV200	
L2LEV160	California LEV-II LEV160		L4SULEV230	California LEV-IV SULEV230	
L2ULEV125	California LEV-II ULEV125		L4SULEV25	California LEV-IV SULEV25	
L2SULEV30	California LEV-II SULEV30		L4SULEV30	California LEV-IV SULEV30	
L2LEV395	California LEV-II LEV395		L4SULEV75	California LEV-IV SULEV75	

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Test Group		VNSXJ01.5G3F	Evaporative/Refueling Family		VNSXR0128PLA
L2ULEV340	California LEV-II ULEV340		L4SULEV85	California LEV-IV SULEV85	
L2LEV630	California LEV-II LEV630		L4ULEV125	California LEV-IV ULEV125	
L2ULEV570	California LEV-II ULEV570		L4ULEV200	California LEV-IV ULEV200	
L3LEV160	California LEV-III LEV160		L4ULEV250	California LEV-IV ULEV250	
L3ULEV125	California LEV-III ULEV125		L4ULEV270	California LEV-IV ULEV270	
L3ULEV70	California LEV-III ULEV70		L4ULEV40	California LEV-IV ULEV40	
L3ULEV50	California LEV-III ULEV50		L4ULEV400	California LEV-IV ULEV400	
L3SULEV30	California LEV-III SULEV30		L4ULEV50	California LEV-IV ULEV50	
L3SULEV20	California LEV-III SULEV20		L4ULEV60	California LEV-IV ULEV60	
L3LEV395	California LEV-III LEV395		L4ULEV70	California LEV-IV ULEV70	
L3ULEV340	California LEV-III ULEV340		T4B170	Federal Tier 4 MDV Bin 170	
L3ULEV250	California LEV-III ULEV250		T4B150	Federal Tier 4 MDV Bin 150	
L3ULEV200	California LEV-III ULEV200		T4B125	Federal Tier 4 MDV Bin 125	
L3SULEV170	California LEV-III SULEV170		T4B100	Federal Tier 4 MDV Bin 100	
L3SULEV150	California LEV-III SULEV150		T4B85	Federal Tier 4 MDV Bin 85	
L3LEV630	California LEV-III LEV630		T4B75	Federal Tier 4 MDV Bin 75	
L3ULEV570	California LEV-III ULEV570		T4B70	Federal Tier 4 Bin 70	
L3ULEV400	California LEV-III ULEV400		T4B65	Federal Tier 4 Bin 65	
L3ULEV270	California LEV-III ULEV270		T4B60	Federal Tier 4 Bin 60	
L3SULEV230	California LEV-III SULEV230		T4B55	Federal Tier 4 Bin 55	
L3SULEV200	California LEV-III SULEV200		T4B50	Federal Tier 4 Bin 50	
T3B160	Federal Tier 3 Bin 160		T4B45	Federal Tier 4 Bin 45	
T3B125	Federal Tier 3 Bin 125		T4B40	Federal Tier 4 Bin 40	
T3B110	Federal Tier 3 Transitional Bin 110		T4B35	Federal Tier 4 Bin 35	
T3B85	Federal Tier 3 Transitional Bin 85		T4B30	Federal Tier 4 Bin 30	
T3SULEV30	Federal Tier 3 Transitional LEV-II SULEV30 Carryover		T4B25	Federal Tier 4 Bin 25	
T3B70	Federal Tier 3 Bin 70		T4B20	Federal Tier 4 Bin 20	
T3B50	Federal Tier 3 Bin 50		T4B15	Federal Tier 4 Bin 15	
T3B30	Federal Tier 3 Bin 30		T4B10	Federal Tier 4 Bin 10	
T3B20	Federal Tier 3 Bin 20		T4B5	Federal Tier 4 Bin 5	
T3B0	Federal Tier 3 Bin 0		T4B0	Federal Tier 4 Bin 0	
HDV2B395	Federal Tier 3 HD Class 2b Transitional Bin 395				
Transmission Type Code					
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)		
Drive System Code					
4	4-Wheel Drive	P	Part-time 4-Wheel Drive		

Certification Summary Information Report

Test Group		VNSXJ01.5G3F	Evaporative/Refueling Family		VNSXR0128PLA
F	2-Wheel Drive, Front		A	All Wheel Drive	
R	2-Wheel Drive, Rear				
Additional Terms and Acronyms					
AFC	Alternative Fuel Converter		ICI	Independent Commercial Importer	
CSI	Certificate Summary Information		ORVR	Onboard Refueling Vapor Recovery	
DF	Deterioration Factor		SIL	Shift Indicator Light	
Evap	Evaporation, Evaporative		Trans	Transmission	

9. OBD System Description

Refer to the confidential section.

10. Description of Alternate-fueled Vehicles

N.A.

11. AECD Description

Refer to the confidential section.

SEC12(2)-(c)

12. Description of Vehicles Covered by Certificate and Test Parameter

(2) Shifting

(c) Manual transmission

N.A.

VNSXJ01.5G3F

Issue date: Refer to cover page

Revision date:

SEC12(3)

12. Description of Vehicles Covered by Certificate and Test Parameters

(3) List of Certified Vehicles

Durability Group VNSXGPGNNAAR
Test Group VNSXJ01.5G3F

Evap. Family	Fuel	Carline	Trim Line	Trans./OD	GVWR (lbs)	ETW (lbs)	Engine Code	Emission Control System						Engine Displ. (L)	Valves cyl.		SIL	Fuel Tank Vol. (gal)	Other	Vehicle Category	Sales Area	
								Cat	EGR	Air	Fuel sys	Aspiration	Other		Intake	Exhaust					50S	CAN
VNSXR0128PKA	Gasoline	ROGUE FWD	DARK ARMOR	CVT / Yes	4641	3875	AR15DAC4	TWC	Electric	N.A.	DFI	TC	N.A.	1.5	2	2	N.A.	14.5	*1	Federal LDV / California PC	X	
			S	CVT / Yes	4641	3750	AR15DAC4	TWC	Electric	N.A.	DFI	TC	N.A.	1.5	2	2	N.A.	14.5	*1	Federal LDV / California PC	X	
			SV	CVT / Yes	4641	3750	AR15DAC4	TWC	Electric	N.A.	DFI	TC	N.A.	1.5	2	2	N.A.	14.5	*1	Federal LDV / California PC	X	
VNSXR0128PLA		ROGUE AWD ROCK CREEK	ROCK CREEK	CVT / Yes	4773	4000	AR15DAC6	TWC	Electric	N.A.	DFI	TC	N.A.	1.5	2	2	N.A.	14.5	*1	Federal LDT2 / California LDT2	X	
		ROGUE AWD	DARK ARMOR	CVT / Yes	4773	4000	AR15DAC5	TWC	Electric	N.A.	DFI	TC	N.A.	1.5	2	2	N.A.	14.5	*1	Federal LDT2 / California LDT2	X	
			PLATINUM	CVT / Yes	4773	4000	AR15DAC5	TWC	Electric	N.A.	DFI	TC	N.A.	1.5	2	2	N.A.	14.5	*1	Federal LDT2 / California LDT2	X	
			S	CVT / Yes	4773	3875	AR15DAC5	TWC	Electric	N.A.	DFI	TC	N.A.	1.5	2	2	N.A.	14.5	*1	Federal LDT2 / California LDT2	X	
			SV	CVT / Yes	4773	3875	AR15DAC5	TWC	Electric	N.A.	DFI	TC	N.A.	1.5	2	2	N.A.	14.5	*1	Federal LDT2 / California LDT2	X	
VNSXR0128PKA		ROGUE FWD	S	CVT / Yes	4564	3750	AR15DAC4	TWC	Electric	N.A.	DFI	TC	N.A.	1.5	2	2	N.A.	14.5	*1	Canada LDV		X
VNSXR0128PLA		ROGUE AWD ROCK CREEK	ROCK CREEK	CVT / Yes	4718	4000	AR15DAC6	TWC	Electric	N.A.	DFI	TC	N.A.	1.5	2	2	N.A.	14.5	*1	Canada LDT2		X
		ROGUE AWD	DARK ARMOR	CVT / Yes	4718	4000	AR15DAC5	TWC	Electric	N.A.	DFI	TC	N.A.	1.5	2	2	N.A.	14.5	*1	Canada LDT2		X
			PLATINUM	CVT / Yes	4817	4000	AR15DAC5	TWC	Electric	N.A.	DFI	TC	N.A.	1.5	2	2	N.A.	14.5	*1	Canada LDT2		X
			S	CVT / Yes	4718	3875	AR15DAC5	TWC	Electric	N.A.	DFI	TC	N.A.	1.5	2	2	N.A.	14.5	*1	Canada LDT2		X
			SV	CVT / Yes	4718	4000	AR15DAC5	TWC	Electric	N.A.	DFI	TC	N.A.	1.5	2	2	N.A.	14.5	*1	Canada LDT2		X

*1 Refer to Type A / Type B of SEC16(11).

VNSXJ01.5G3F

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SEC12(4)-1

12. Description of Vehicles Covered by Certificate and Test Parameters

(4) Test Parameter

Durability Group VNSXGPGNNAAR
Test Group VNSXJ01.5G3F

Carline	Trim Line	Trans.	ETW (lbs)	Tire		Axle Ratio	N/V Ratio	TRLHP	Coastdown Time (sec.)	Single Roll Dyno Terms			Shift Schedule ID		Test Proc	Cooling Fan	Special Test	Sales Area	
				Size	Type					A	B	C	City	Hwy		Config	Proc	50S	CAN
ROGUE AWD ROCK CREEK	ROCK CREEK	CVT	4000	235/65R17	All Terrain	5.676	25.0	14.1	17.56	44.88	-0.2806	0.02996	FTA	HWA	Part1066	*1	*2, *3, *4, *5	X	X
ROGUE AWD	DARK ARMOR	CVT	4000	235/55R19	All season	5.676	24.6	13.5	18.31	41.46	-0.1932	0.02784	FTA	HWA	Part1066	*1	*2, *3, *4, *5	X	X
	PLATINUM	CVT	4000	235/55R19	All season	5.676	24.6	13.5	18.31	41.46	-0.1932	0.02784	FTA	HWA	Part1066	*1	*2, *3, *4, *5	X	X
	S	CVT	3875	235/65R17	All season	5.676	25.0	12.7	18.88	35.02	-0.2337	0.02881	FTA	HWA	Part1066	*1	*2, *3, *4, *5	X	X
	SV	CVT	3875	235/60R18	All season	5.676	24.8	13.1	18.31	36.22	-0.1670	0.02816	FTA	HWA	Part1066	*1	*2, *3, *4, *5	X	
	SV	CVT	3875	235/65R17	All season	5.676	25.0	12.7	18.88	35.02	-0.2337	0.02881	FTA	HWA	Part1066	*1	*2, *3, *4, *5	X	
	SV	CVT	4000	235/60R18	All season	5.676	24.8	13.2	18.73	36.91	-0.1619	0.02814	FTA	HWA	Part1066	*1	*2, *3, *4, *5		X
ROGUE FWD	DARK ARMOR	CVT	3875	235/55R19	All season	5.676	24.6	13.0	18.41	37.61	-0.0673	0.02539	FTA	HWA	Part1066	*1	*3, *4, *5	X	
	S	CVT	3750	235/65R17	All season	5.676	25.0	12.6	18.38	34.62	-0.1110	0.02626	FTA	HWA	Part1066	*1	*3, *4, *5	X	X
	SV	CVT	3750	235/60R18	All season	5.676	24.8	12.8	18.08	34.10	-0.0427	0.02573	FTA	HWA	Part1066	*1	*3, *4, *5	X	
	SV	CVT	3750	235/65R17	All season	5.676	25.0	12.6	18.38	34.62	-0.1110	0.02626	FTA	HWA	Part1066	*1	*3, *4, *5	X	

*1 The road speed fan to all test cycles.

*2 Remove the rear propeller shaft. Then test as the front wheel drive vehicle.

*3 Set in maintenance mode. Refer to Type C of SEC16(10)-3.

*4 If engine is started, turn off the VDC system within 10 seconds always.

*5 Cancel the automatic P position function by Nissan development tool.

VNSXJ01.5G3F

Issue date: Refer to cover page

Revision date:

SEC12(4)-2

12. Description of Vehicles Covered by Certificate and Test Parameters

(4) Test Parameter

Durability Group VNSXGPGNNAAR

Test Group VNSXJ01.5G3F

Fuel Temperature Profile at the Running Loss Testing (for EPA)

Time (min.)	Temperature (degree F)	Time (min.)	Temperature (degree F)	Time (min.)	Temperature (degree F)	Time (min.)	Temperature (degree F)	Time (min.)	Temperature (degree F)	Time (min.)	Temperature (degree F)
0.0	95.0	13.0	98.4	26.0	102.9	39.0	108.7	52.0	113.7	65.0	117.1
0.5	95.2	13.5	98.4	26.5	103.1	39.5	108.7	52.5	113.9	65.5	117.1
1.0	95.2	14.0	99.0	27.0	103.5	40.0	108.9	53.0	114.1	66.0	117.3
1.5	95.5	14.5	99.1	27.5	103.6	40.5	109.2	53.5	114.1	66.5	117.3
2.0	95.5	15.0	99.3	28.0	103.8	41.0	109.4	54.0	114.3	67.0	117.3
2.5	95.7	15.5	99.3	28.5	104.2	41.5	109.6	54.5	114.6	67.5	117.5
3.0	95.7	16.0	99.3	29.0	104.2	42.0	110.1	55.0	114.8	68.0	117.7
3.5	95.9	16.5	99.7	29.5	104.2	42.5	110.1	55.5	114.8	68.5	117.7
4.0	95.9	17.0	99.7	30.0	104.7	43.0	110.5	56.0	114.8	69.0	117.9
4.5	96.1	17.5	100.0	30.5	104.7	43.5	110.7	56.5	115.0	69.5	118.0
5.0	96.3	18.0	100.0	31.0	104.9	44.0	110.8	57.0	115.2	70.0	118.2
5.5	96.4	18.5	100.4	31.5	105.1	44.5	111.0	57.5	115.5	70.5	118.2
6.0	96.4	19.0	100.6	32.0	105.6	45.0	111.2	58.0	115.5	71.0	118.2
6.5	96.6	19.5	100.6	32.5	105.6	45.5	111.4	58.5	115.5	71.5	118.2
7.0	96.6	20.0	100.9	33.0	106.0	46.0	111.4	59.0	115.7	72.0	118.6
7.5	96.8	20.5	101.1	33.5	106.0	46.5	111.7	59.5	116.1		
8.0	97.0	21.0	101.3	34.0	106.5	47.0	111.9	60.0	116.1		
8.5	97.2	21.5	101.3	34.5	106.5	47.5	112.1	60.5	116.2		
9.0	97.3	22.0	101.7	35.0	106.5	48.0	112.6	61.0	116.4		
9.5	97.3	22.5	101.8	35.5	106.9	48.5	112.6	61.5	116.4		
10.0	97.5	23.0	102.0	36.0	107.1	49.0	112.6	62.0	116.4		
10.5	97.7	23.5	102.0	36.5	107.4	49.5	112.8	62.5	116.6		
11.0	97.9	24.0	102.2	37.0	107.8	50.0	113.2	63.0	116.6		
11.5	97.9	24.5	102.4	37.5	107.8	50.5	113.5	63.5	116.6		
12.0	98.2	25.0	102.7	38.0	108.3	51.0	113.5	64.0	116.8		
12.5	98.4	25.5	102.7	38.5	108.3	51.5	113.7	64.5	117.1		

VNSXJ01.5G3F

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Revision date:

SEC12(4)-3

12. Description of Vehicles Covered by Certificate and Test Parameters

(4) Test Parameter

Durability Group VNSXGPGNNAAR

Test Group VNSXJ01.5G3F

Fuel Temperature Profile at the Running Loss Testing (for ARB)

Time (min.)	Temperature (degree F)	Time (min.)	Temperature (degree F)	Time (min.)	Temperature (degree F)	Time (min.)	Temperature (degree F)	Time (min.)	Temperature (degree F)	Time (min.)	Temperature (degree F)
0.0	105.1	13.0	108.5	26.0	113.0	39.0	118.8	52.0	123.8	65.0	127.2
0.5	105.3	13.5	108.5	26.5	113.2	39.5	118.8	52.5	124.0	65.5	127.2
1.0	105.3	14.0	109.0	27.0	113.5	40.0	118.9	53.0	124.2	66.0	127.4
1.5	105.6	14.5	109.2	27.5	113.7	40.5	119.3	53.5	124.2	66.5	127.4
2.0	105.6	15.0	109.4	28.0	113.9	41.0	119.5	54.0	124.3	67.0	127.4
2.5	105.8	15.5	109.4	28.5	114.3	41.5	119.7	54.5	124.7	67.5	127.6
3.0	105.8	16.0	109.4	29.0	114.3	42.0	120.2	55.0	124.9	68.0	127.8
3.5	106.0	16.5	109.8	29.5	114.3	42.5	120.2	55.5	124.9	68.5	127.8
4.0	106.0	17.0	109.8	30.0	114.8	43.0	120.6	56.0	124.9	69.0	127.9
4.5	106.2	17.5	110.1	30.5	114.8	43.5	120.7	56.5	125.1	69.5	128.1
5.0	106.3	18.0	110.1	31.0	115.0	44.0	120.9	57.0	125.2	70.0	128.3
5.5	106.5	18.5	110.5	31.5	115.2	44.5	121.1	57.5	125.6	70.5	128.3
6.0	106.5	19.0	110.7	32.0	115.7	45.0	121.3	58.0	125.6	71.0	128.3
6.5	106.7	19.5	110.7	32.5	115.7	45.5	121.5	58.5	125.6	71.5	128.3
7.0	106.7	20.0	111.0	33.0	116.1	46.0	121.5	59.0	125.8	72.0	128.7
7.5	106.9	20.5	111.2	33.5	116.1	46.5	121.8	59.5	126.1		
8.0	107.1	21.0	111.4	34.0	116.6	47.0	122.0	60.0	126.1		
8.5	107.2	21.5	111.4	34.5	116.6	47.5	122.2	60.5	126.3		
9.0	107.4	22.0	111.7	35.0	116.6	48.0	122.7	61.0	126.5		
9.5	107.4	22.5	111.9	35.5	117.0	48.5	122.7	61.5	126.5		
10.0	107.6	23.0	112.1	36.0	117.1	49.0	122.7	62.0	126.5		
10.5	107.8	23.5	112.1	36.5	117.5	49.5	122.9	62.5	126.7		
11.0	108.0	24.0	112.3	37.0	117.9	50.0	123.3	63.0	126.7		
11.5	108.0	24.5	112.5	37.5	117.9	50.5	123.6	63.5	126.7		
12.0	108.3	25.0	112.8	38.0	118.4	51.0	123.6	64.0	126.9		
12.5	108.5	25.5	112.8	38.5	118.4	51.5	123.8	64.5	127.2		

VNSXJ01.5G3F

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14. Request for Certification

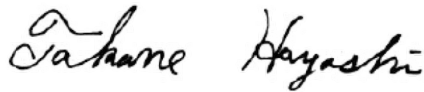
Request for Certificate to ARB

Test Group	VNSXJ01.5G3F
Exhaust emission control system number	1 of 1
Evaporative/Refueling Families	VNSXR0128PKA (Federal LDV / California PC) VNSXR0128PLA (Federal LDT2 / California LDT2)
Carline	ROGUE FWD ROGUE AWD ROCK CREEK ROGUE AWD

Nissan Motor Co., Ltd. requests that ARB issue a 2027 model year executive order for the above specified test group and evaporative/refueling family combination more fully described in this application. This combination complies with the following applicable emission standard.

Federal	X
California & 177 States	X

This combination complies with all applicable regulations contained within 40 CFR Part86, the application is current as of this date.
The exhaust and evaporative/refueling emission test results support this request for certificate.



Takane Hayashi
Senior Manager
Regulation and Homologation Department

VNSXJ01.5G3F

Issue date: Refer to cover page

Revision date:

14. Request for Certification

Request for Certificate to EPA

Test Group	VNSXJ01.5G3F
Exhaust emission control system number	1 of 1
Evaporative/Refueling Families	VNSXR0128PKA (Federal LDV / California PC) VNSXR0128PLA (Federal LDT2 / California LDT2)
Carline	ROGUE FWD ROGUE AWD ROCK CREEK ROGUE AWD

Nissan Motor Co., Ltd. requests that EPA issue a 2027 model year certificate of conformity for the above specified test group and evaporative/refueling family combination more fully described in this application. This combination complies with the following applicable emission standard.

Federal	X
California & 177 States	X

This combination complies with all applicable regulations contained within 40 CFR Part86, the application is current as of this date.
The exhaust and evaporative/refueling emission test results support this request for certificate.



Takane Hayashi
Senior Manager
Regulation and Homologation Department

VNSXJ01.5G3F

Issue date: Refer to cover page

Revision date:

SEC15(1)

15. Other Information

(1) Fee Filing Form

Refer to the attached Fee Filing Form.

VNSXJ01.5G3F

Issue date: Refer to cover page

Revision date:

US EPA Fee Form

[Help and EPA Instructions](#)

* Required Field

General Information

Date: 05/20/2026

Process Code *

Submit New Fee Filing Form

Manufacturer Code *

NSX

Manufacturer Name *

NISSAN MOTOR CO., LTD.

Contact Name *

Farrukh Khan

Contact Email Address *

KhanF@nrd.nissan-usa.com

Contact Phone *

248-488-4649

Calendar Year complete application submitted to EPA *

2026

calendar year in which the complete certification application is received, not the model year.

Engine Family / Evaporative Family / Test Group *

VNSXJ01.5G3F

Certificate Request Type (Industry Sector Code)

Certificate Request Type *

☒

On-Highway LDV, LTD, MDVPV, HDV Chassis Cert (Federal) (A, B, D, J, T, V)

☐

On-Highway HDE Dyno Cert (Federal) (E, H)

☐

On-Highway LD ICI, MDPV ICI, HDV ICI (A, B, D, J, T, V)

☐

On-Highway Motorcycle (C)

☐

On-Highway HDV Evap (F)

☐

On-Highway LDV, LTD, MDVPV, HDV Chassis Cert (California-Only) (A, B, D, J, T, V)

☐

On-Highway HDE Dyno Cert (California-Only) (E, H)

☐

Nonroad CI (L)

☐

Nonroad SI (B, S)

☐

Locomotive (G, K)

☐

All Nonroad Recreational, excluding Marine engines (X, Y)

☐

All Marine (Including IMO) (M, N, W)

☐

Component Certification for Evaporative Emissions (P)

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

ICI VIN Number (Required for ICIs Only)

Do you qualify for a Reduced Fee? *

No

Payment Information

Amount Owed

\$32,317.00

Payment Type *

Offline Wire

Comments

EPA Form Number 3520-29

OMB Control No. 2060-0545

Approval expires 7/31/2027

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