

Revision Date	Revision Page (*: New page)	Description of Revision
05/11/26	(For CARB and EPA) Contents	Correction of TABLE OF CONTENTS
	SEC16(1)-15-8 (for QX80 2WD and QX80 4WD)	Removal of erroneous internal memo text box
	Cover Page	Due to R/C No. VT35EWU-01
	SEC7	Addition of the new models.
	SEC12(3)	We add the new model ARMADA 2WD, ARMADA 4WD and ARMADA 4WD PRO-4X to the certified test group, VNSXT03.5EWU
	SEC12(4)-1	
	SEC14-1,-2	
	SEC16(1)	
	SEC16(8) (for QX80 2WD and QX80 4WD)	
	SEC16(8)* (for ARMADA 2WD, ARMADA 4WD and ARMADA 4WD PRO-4X)	
	(For CARB)	
	SEC17(1)-1	
	SEC17(1)-2	
	SEC17(3)	

Application For Certification

Part1

Individual application for 2027 Model Year

Durability Group	VNSXGPGNNAAL
Evaporative / Refueling Family	VNSXR0176PFA
Test Group	VNSXT03.5EWU
Durability Group Description	Four Stroke, Otto Cycle, Gasoline Fueled, DFI Three Way Catalyst
Test Group Description	3.5 Liter V6 Federal LDT4 / California LDT2
Exhaust Emission Standard	Federal Interim Tier 4 Bin 50 (Tier 3 Compliant) / California LEV-IV ULEV50
Evaporative Emission Standard	Federal Tier 3 Evap / California LEV-IV Zero Evap (Option 2)
[1] Vehicles Covered	INFINITI QX80 2WD (50 States) INFINITI QX80 4WD (50 States) NISSAN ARMADA 2WD (50 States) NISSAN ARMADA 4WD (50 States) NISSAN ARMADA 4WD PRO-4X (50 States)
Vehicles Run	VRB136-00 (FTP-E10 TN SNSX10086583) VRB136-00 (HWFE-E10 TN SNSX10086584) VRB136-00 (Cold CO-E10 TN SNSX10086582) VRB136-00 (US06-E10 TN SNSX10086585) VRB136-00 (SC03-E10 TN SNSX10086586) VQB141-00 (Evap 3day-E10 TN SNSX10083370) VQB141-00 (Evap 2day-E10 TN SNSX10083362) VQB141-01 (ORVR-E10 TN SNSX10083345) VQB141-00 (Running Loss-E10 TN SNSX10083369)
[1] Issue Date	January 19, 2026 May 11, 2026 (Addition of new model)
[1] Response Requested By	March 16, 2026 July 6, 2026 (Addition of new model)
For Questions, Contact	Ryuichi Haya Telephone No. 248-488-4654

NISSAN MOTOR CO., LTD.

[1] With R/C No. VT35EWU-01

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Part I
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5	Test Group Description		X
6	Test Vehicle Description		X
7	Test Results		X
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	(8) AECD Description (related to Sec 11 in Part 1)		X
	(9) Description of Electric Vehicles and Hybrid Electric Vehicles [1]		
	(a) Battery Information (related to Sec 12(3) in Part 1)		This Model is not applied.
	(b) Summary Information (related to Sec 7 in Part 1)		This Model is not applied.
	(10) The procedure of setting maintenance mode (related to Sec 12(1) in Part 1)	X	
	(11) Engine Oil Specification	X	
17	California ARB Information		
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	(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
VNSXT03.5EWU	3.5	V-shaped engine / 6	Federal LDT4 / California LDT2	Federal Interim Tier 4 Bin 50 (Tier 3 Compliant) / California LEV-IV ULEV50	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.

VNSXT03.5EWU

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SEC6

6. Test Vehicle Description

Applicable Emission STD. for EPA Interim Tier 4 Bin 50 (LDT4)

<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	0.050	0.070		120K	N.A.	N.A.	N.A.	0.030	0.010
				150K	1.7	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	12.5	N.A.	N.A.	150K	0.080	4.2	0.006		
120K	N.A.	0.5	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	0.500	1.15	0.05	0.020	0.20	0.02			

Applicable Emission STD. for ARB LEV-IV ULEV50 (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	0.050	150K	1.7	0.004	0.001 (0.002 *1)	0.030	0.010	50K	12.5		
<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	0.100	1.7	0.016	150K	0.060*2	9.6	0.006	150K	0.050	1.7	
<Quick drive-away>			<Partial Soak>								
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 (LEV-IV (Option 2)) *3>											
Highest Whole Vehicle				Canister		Leak Diameter					
Mileage	D+HS (g/test)	R/L (gpm)	Bleed (gpm)	ORVR (g/gal)	(inch)						
150K	0.500	0.05	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 Standard (US06 NMOG+NOx (d)(3)(A)2 in Sec1961.4)

*3 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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SEC7

7. Test Results

Test Number	Mode	Sales Area	Official Test (marked by X)	Certification Level
SNSX10086583	CA Fuel 3 Day Exh-E10	50 states	X	Refer to the Certification Summary Information Report [1]
SNSX10086584	HWFE-E10	50 states	X	
SNSX10086582	Cold CO-E10	50 states	X	
SNSX10086585	US06-E10	50 states	X	
SNSX10086586	SC03-E10	50 states	X	
SNSX10083370	CA Fuel 3 Day Evap-E10	50 states	X	
SNSX10083362	CA Fuel 2 Day Evap-E10	50 states	X	
SNSX10083345	Fed Fuel Refuel (ORVR)-E10	50 states	X	
SNSX10083369	Running Loss-E10	50 states	X	

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Certification Summary Information Report

Manufacturer	Nissan Motor Co., Ltd.	Manufacturer Code	NSX
Test Group	VNSXT03.5EWU	Evaporative/Refueling Family	VNSXR0176PFA
Certificate Number	--	CARB Executive Order #	--
Certificate Issue Date	--	Certificate Revision Date	--
Certificate Effective Date	--	Conditional Certificate	--
CSI Revision #	--	CSI Submission/Revision Date	03/27/2026 03:25:55 AM
Model Year	2027		

Test Group Information

CSI Type	Running Change	Running Change Reference Number	VT35EWU-01
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	LDT4
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	VNSXGPGNNAAL	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	05/26/2026	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	2
OBD Deficiencies Comments	Update of the OBD information with the OBD approval letter(E-26-008). Deficiency: SAE J1979-2 Implementation Deficiency and 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 LEV3 E10 gasoline and Cold using Cold E10 gasoline for Litmus. Litmus results(Value / Threshold) City: 15.3 / 15.0 HWY:17.4 / 18.1 TestNo:SNSX10086583(FTP),SNSX10086584(HWY),SNSX10086585(US06),SNSX10086586(SC03),SNSX10086582(Cold).Addition of new Carline(ARMADA 2WD, ARMADA 4WD and ARMADA 4WD PRO-4X).		
Mfr Exhaust / Evap Standards Comments	--		

Certification Summary Information Report

Test Group	VNSXT03.5EWU	Evaporative/Refueling Family	VNSXR0176PFA
Evaporative/Refueling Family Information			
Evaporative Summary Information Type	New	Submission/Correction Date	11/19/2025 09:07:50 PM
Integrated ORVR?	Yes	Fuel(s)	Gasoline
Multiple Fuel Storage	--		
Bladder Fuel Tank?	No		
Fuel Tank Material	Plastic	Fuel Tank Material Description	Plastic
Fill Pipe Seal Type	Liquid seal		
Air Intake System Vapor Storage Device?	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)	176	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
VNSXR0176PFA-001	50 State	0.02	Based on our engineering evaluation, this vehicle comply with the leak standard.

Certification Summary Information Report

Test Group	VNSXT03.5EWU		Evaporative/Refueling Family		VNSXR0176PFA		
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	116 - ARMADA 2WD	Federal	2-Wheel Drive, Rear	Semi-Automatic	9	Yes
Nissan Motor Co., Ltd.	1 - NISSAN	116 - ARMADA 2WD	California + CAA Section 177 states	2-Wheel Drive, Rear	Semi-Automatic	9	Yes
Nissan Motor Co., Ltd.	2 - INFINITI	121 - QX80 4WD	California + CAA Section 177 states	4-Wheel Drive	Semi-Automatic	9	Yes
Nissan Motor Co., Ltd.	1 - NISSAN	117 - ARMADA 4WD	Federal	4-Wheel Drive	Semi-Automatic	9	Yes
Nissan Motor Co., Ltd.	1 - NISSAN	117 - ARMADA 4WD	California + CAA Section 177 states	4-Wheel Drive	Semi-Automatic	9	Yes
Nissan Motor Co., Ltd.	2 - INFINITI	120 - QX80 2WD	Federal	2-Wheel Drive, Rear	Semi-Automatic	9	Yes
Nissan Motor Co., Ltd.	2 - INFINITI	120 - QX80 2WD	California + CAA Section 177 states	2-Wheel Drive, Rear	Semi-Automatic	9	Yes
Nissan Motor Co., Ltd.	1 - NISSAN	118 - ARMADA 4WD PRO-4X	Federal	4-Wheel Drive	Semi-Automatic	9	Yes
Nissan Motor Co., Ltd.	1 - NISSAN	118 - ARMADA 4WD PRO-4X	California + CAA Section 177 states	4-Wheel Drive	Semi-Automatic	9	Yes
Nissan Motor Co., Ltd.	2 - INFINITI	121 - QX80 4WD	Federal	4-Wheel Drive	Semi-Automatic	9	Yes
Engine Description							
Hybrid Type	--			Hybrid Description	--		
Engine Type	4-Stroke Spark Ignition			Mfr Engine Description	--		
Engine Block Arrangement	V-shaped engine			Mfr Engine Block Arrangement Description	--		
Camless Valvetrain Indicator	No			Oil Viscosity/Classification	SAE 0W-20		
Number of Cylinders/Rotors	6			Mechanically Variable Compression Ratio Indicator	N		
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			
3	Three-way catalyst	Palladium + Rhodium	Ceramic	Monolith			
4	Three-way catalyst	Platinum + Rhodium	Ceramic	Monolith			
Mfr After Treatment Device (ATD) Comments							
--							
Direct Ozone Reduction (DOR) Device							
Not Equipped							
Mfr Emission Control Device Comments							
--							

Certification Summary Information Report

Test Group	VNSXT03.5EWU	Evaporative/Refueling Family	VNSXR0176PFA
Engine Configuration Number 1			
Engine Displacement (liters)	3.5	Engine Rated Horsepower	450
Number of Inlet Valves Per Cylinder	2	Number of Exhaust Valves Per Cylinder	2
Air Aspiration Method	Turbocharged	Number of Air Aspiration Devices	2
Air Aspiration Device Configuration	Parallel	Charge Air Cooler Type	Air
Air Aspiration Drive Method(s)	Hydraulic		
Cylinder Deactivation	No		
Cylinder Deactivation Description	--		
Variable Valve Timing	Yes		
Variable Valve Timing System Description	INT;ECM and VTC controller controlled, Electric driven EXH;ECM controlled, Oil pressure driven		
Variable Valve Lift?	No		
Variable Valve Lift System Description	--		
Number of Knock Sensors	2	Number of Air/Fuel Sensors	4
Air/Fuel Sensor # 1 Type	Heated oxygen	Air/Fuel Sensor # 1 Description	--
Air/Fuel Sensor # 2 Type	Heated oxygen	Air/Fuel Sensor # 2 Description	--
Air/Fuel Sensor # 3 Type	Air fuel	Air/Fuel Sensor # 3 Description	--
Air/Fuel Sensor # 4 Type	Air fuel	Air/Fuel Sensor # 4 Description	--
Mfr Air/Fuel Sensor Comments	--		
Exhaust Gas Recirculation	No	Cooled Exhaust Gas Recirculation	No
EGR Type	--	Exhaust Gas Recirculation Description if 'Other'	--
Closed Loop Air Injection System	No		
Air Injection Type	--	Air Injection Type if 'Other'	--
Mfr Engine Configuration Comments	For QX80 2WD and QX80 4WD		

Certification Summary Information Report

Test Group	VNSXT03.5EWU	Evaporative/Refueling Family	VNSXR0176PFA
Engine Configuration Number 2			
Engine Displacement (liters)	3.5	Engine Rated Horsepower	425
Number of Inlet Valves Per Cylinder	2	Number of Exhaust Valves Per Cylinder	2
Air Aspiration Method	Turbocharged	Number of Air Aspiration Devices	2
Air Aspiration Device Configuration	Parallel	Charge Air Cooler Type	Air
Air Aspiration Drive Method(s)	Hydraulic		
Cylinder Deactivation	No		
Cylinder Deactivation Description	--		
Variable Valve Timing	Yes		
Variable Valve Timing System Description	INT;ECM and VTC controller controlled, Electric driven EXH;ECM controlled, Oil pressure driven		
Variable Valve Lift?	No		
Variable Valve Lift System Description	--		
Number of Knock Sensors	2	Number of Air/Fuel Sensors	4
Air/Fuel Sensor # 1 Type	Heated oxygen	Air/Fuel Sensor # 1 Description	--
Air/Fuel Sensor # 2 Type	Air fuel	Air/Fuel Sensor # 2 Description	--
Air/Fuel Sensor # 3 Type	Air fuel	Air/Fuel Sensor # 3 Description	--
Air/Fuel Sensor # 4 Type	Heated oxygen	Air/Fuel Sensor # 4 Description	--
Mfr Air/Fuel Sensor Comments	--		
Exhaust Gas Recirculation	No	Cooled Exhaust Gas Recirculation	No
EGR Type	--	Exhaust Gas Recirculation Description if 'Other'	--
Closed Loop Air Injection System	No		
Air Injection Type	--	Air Injection Type if 'Other'	--
Mfr Engine Configuration Comments	For ARMADA 2WD, ARMADA 4WD (except ARMADA 4WD NISMO) and ARMADA 4WD PRO-4X		

Certification Summary Information Report

Test Group	VNSXT03.5EWU	Evaporative/Refueling Family	VNSXR0176PFA								
Engine Configuration Number 3											
Engine Displacement (liters)	3.5	Engine Rated Horsepower	460								
Number of Inlet Valves Per Cylinder	2	Number of Exhaust Valves Per Cylinder	2								
Air Aspiration Method	Turbocharged	Number of Air Aspiration Devices	2								
Air Aspiration Device Configuration	Parallel	Charge Air Cooler Type	Air								
Air Aspiration Drive Method(s)	Hydraulic										
Cylinder Deactivation	No										
Cylinder Deactivation Description	--										
Variable Valve Timing	Yes										
Variable Valve Timing System Description	INT;ECM and VTC controller controlled, Electric driven EXH;ECM controlled, Oil pressure driven										
Variable Valve Lift?	No										
Variable Valve Lift System Description	--										
Number of Knock Sensors	2	Number of Air/Fuel Sensors	4								
Air/Fuel Sensor # 1 Type	Heated oxygen	Air/Fuel Sensor # 1 Description	--								
Air/Fuel Sensor # 2 Type	Air fuel	Air/Fuel Sensor # 2 Description	--								
Air/Fuel Sensor # 3 Type	Air fuel	Air/Fuel Sensor # 3 Description	--								
Air/Fuel Sensor # 4 Type	Heated oxygen	Air/Fuel Sensor # 4 Description	--								
Mfr Air/Fuel Sensor Comments	--										
Exhaust Gas Recirculation	No	Cooled Exhaust Gas Recirculation	No								
EGR Type	--	Exhaust Gas Recirculation Description if 'Other'	--								
Closed Loop Air Injection System	No										
Air Injection Type	--	Air Injection Type if 'Other'	--								
Mfr Engine Configuration Comments	For ARMADA 4WD NISMO										
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	SNSX10086583	SNSX10086585	SNSX10086586	SNSX10086582	SNSX10086584	17.9	228.2	22.0	286.1	--	
SFTP LEV-III Official Test Numbers											
Test Group Fuel	FTP	US06	SC03								
Gasoline	SNSX10086583	SNSX10086585	SNSX10086586								

Certification Summary Information Report

Test Group	VNSXT03.5EWU	Evaporative/Refueling Family	VNSXR0176PFA						
Emission Data Vehicle Information									
Vehicle ID / Configuration	VQB141 / 0	Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	SNSXT03.5AWA	Original Evaporative/Refueling Family	SNSXR0176PFA						
Original Test Vehicle Model Year	2025								
Vehicle Model									
Represented Test Vehicle Make	INFINITI	Represented Test Vehicle Model	QX80 4WD PURE						
Leak Family Details									
Leak Family Identifier	001	Leak Family Name	SNSXR0176PFA-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	9	Odometer Correction Factor	0.997						
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor								
Odometer Correction Units	Miles								
Engine Code	AR35DAA1	Rated Horsepower	450						
Displacement (liters)	3.5								
Air Aspiration Method	Turbocharged	Air Aspiration Method, if 'Other'							
Number of Air Aspiration Devices	2	Air Aspiration Device Configuration	Parallel						
Charge Air Cooler Type	Air	Drive Mode While Testing	2-Wheel Drive, Rear						
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)						
Curb Weight (lbs)	6025	Equivalent Test Weight (pounds)	6500						
GVWR (lbs)	7810	N/V Ratio	21						
Axle Ratio	3.36								
Transmission Type	Semi-Automatic	# of Transmission Gears	9						
Transmission Lockup	Yes	Creep Gear	No						

Certification Summary Information Report

Test Group	VNSXT03.5EWU	Evaporative/Refueling Family	VNSXR0176PFA
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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	50.96	0.4131	0.03261	19.44	0.3406	0.03133	20.4
Cold CO	56.62	0.459	0.03623	16.42	0.2175	0.03706	N/A
US06	50.96	0.4131	0.03261	19.44	0.3406	0.03133	N/A

Emission Control Device Comments --

Manufacturer Test Vehicle Comments Sport mode

Test #	SNSX10083362	Test Procedure	27 - California fuel 2-day evap
Exhaust Test # for this Evap Test	SNSX10083346	Test Fuel Type	47 - CARB LEV3 E10 Premium Gasoline
Test Date	07/19/2023	Fuel	Gasoline
Fuel Batch ID	470054	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	4070	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	No

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.2802249	--

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	0.2802	0.0000	0.280	0.500	Pass
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.2802	0.0000	0.280	0.500	Pass

Certification Summary Information Report

Test Group	VNSXT03.5EWU	Evaporative/Refueling Family	VNSXR0176PFA
Test #	SNSX10083370	Test Procedure	38 - CA fuel 3-day evap.
Exhaust Test # for this Evap Test	SNSX10083368	Test Fuel Type	47 - CARB LEV3 E10 Premium
Test Date	10/19/2023	Fuel	Gasoline
Fuel Batch ID	470054	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	4693	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	No

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.245878	--

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	0.2459	0.0000	0.246	0.500	Pass
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.2459	0.0000	0.246	0.500	Pass

Certification Summary Information Report

Test Group	VNSXT03.5EWU	Evaporative/Refueling Family	VNSXR0176PFA
Test #	SNSX10083369	Test Procedure	37 - California Fuel Running Loss
Exhaust Test # for this Evap Test	SNSX10083368	Test Fuel Type	47 - CARB LEV3 E10 Premium Gasoline
Test Date	10/19/2023	Fuel	Gasoline
Fuel Batch ID	470054	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	4676	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)
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.0001664	--

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	0.05	Pass

Certification Summary Information Report

Test Group	VNSXT03.5EWU	Evaporative/Refueling Family	VNSXR0176PFA																											
Test #	SNSX10083437	Test Procedure	65 - Evap Canister Bleed Test																											
Exhaust Test # for this Evap Test	--	Test Fuel Type	46 - CARB LEV3 E10 Regular Gasoline																											
Test Date	10/20/2023	Fuel	Gasoline																											
Fuel Batch ID	WD3A06	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 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	No																											
Test Results																														
<table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value (miles per gallon)</th> </tr> </thead> <tbody> <tr> <td>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</td> <td>0.0123</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)	0.0123	--																					
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)																												
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.0123	--																												
Manufacturer Test Comments																														
Vehicle ID, Vehicle Configuration Number, and Drive Cycle Speed Tolerance Criteria are EDV information. Test Start Odometer Reading is entered for dummy.																														
<table border="1"> <thead> <tr> <th>Certification Region</th> <th>Useful Life</th> <th>Standard Level</th> <th>Emission Name</th> <th>Rounded Result</th> <th>Add DF</th> <th>Certification Level</th> <th>Standard</th> <th>Pass/Fail</th> </tr> </thead> <tbody> <tr> <td>Fed</td> <td>150,000 miles</td> <td>Federal Tier 3 Evap</td> <td>HC-TOTAL-EQUIV</td> <td>0.0123</td> <td>0.0000</td> <td>0.012</td> <td>0.020</td> <td>Pass</td> </tr> <tr> <td>CA</td> <td>150,000 miles</td> <td>California LEV-IV Zero Evap (Option 2)</td> <td>HC-TOTAL-EQUIV</td> <td>0.0123</td> <td>0.0000</td> <td>0.012</td> <td>0.020</td> <td>Pass</td> </tr> </tbody> </table>				Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	Add DF	Certification Level	Standard	Pass/Fail	Fed	150,000 miles	Federal Tier 3 Evap	HC-TOTAL-EQUIV	0.0123	0.0000	0.012	0.020	Pass	CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.0123	0.0000	0.012	0.020	Pass
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	Add DF	Certification Level	Standard	Pass/Fail																						
Fed	150,000 miles	Federal Tier 3 Evap	HC-TOTAL-EQUIV	0.0123	0.0000	0.012	0.020	Pass																						
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.0123	0.0000	0.012	0.020	Pass																						

Certification Summary Information Report

Test Group	VNSXT03.5EWU		Evaporative/Refueling Family	VNSXR0176PFA																							
Emission Data Vehicle Information																											
Vehicle ID / Configuration	VQB141 / 1		Manufacturer Vehicle Configuration Number	1																							
Original Test Group Name	SNSXT03.5AWA		Original Evaporative/Refueling Family	SNSXR0176PFA																							
Original Test Vehicle Model Year	2025																										
Vehicle Model																											
Represented Test Vehicle Make	INFINITI		Represented Test Vehicle Model	QX80 4WD PURE																							
Leak Family Details																											
Leak Family Identifier	001		Leak Family Name	SNSXR0176PFA-001																							
Drive Sources and Fuel System Details																											
<table border="1"> <tr> <td>Drive Source and Fuel#</td> <td>Drive Source</td> <td>Fuel</td> </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 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	9		Odometer Correction Factor	0.997																							
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor																										
Odometer Correction Units	Miles																										
Engine Code	AR35DAA1		Rated Horsepower	450																							
Displacement (liters)	3.5		Air Aspiration Method, if 'Other'																								
Air Aspiration Method	Turbocharged		Air Aspiration Device Configuration	Parallel																							
Number of Air Aspiration Devices	2		Drive Mode While Testing	2-Wheel Drive, Rear																							
Charge Air Cooler Type	Air		Aged Emission Components	4,000 (mi)																							
Shift Indicator Light Usage	Not equipped		Equivalent Test Weight (pounds)	6500																							
Curb Weight (lbs)	6025		N/V Ratio	21																							
GVWR (lbs)	7810																										
Axle Ratio	3.36		# of Transmission Gears	9																							
Transmission Type	Semi-Automatic		Creep Gear	No																							
Transmission Lockup	Yes																										
Dynamometer Coefficients:																											
<table border="1"> <tr> <th colspan="3">Target Coefficients</th> <th colspan="3">Set Coefficients</th> <th rowspan="2">EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients</th> </tr> <tr> <th>Coefficient Category</th> <th>A (lbf)</th> <th>B (lbf/mph)</th> <th>C (lbf/mph**2)</th> <th>A (lbf)</th> <th>B (lbf/mph)</th> <th>C (lbf/mph**2)</th> </tr> <tr> <td>City/Highway/Evap</td> <td>50.96</td> <td>0.4131</td> <td>0.03261</td> <td>19.44</td> <td>0.3406</td> <td>0.03133</td> <td>20.4</td> </tr> </table>						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	50.96	0.4131	0.03261	19.44	0.3406	0.03133	20.4
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	50.96	0.4131	0.03261	19.44	0.3406	0.03133	20.4																				
Emission Control Device Comments	--																										

Certification Summary Information Report

Test Group	VNSXT03.5EWU	Evaporative/Refueling Family	VNSXR0176PFA
Manufacturer Test Vehicle Comments	Sport mode		
Test #	SNSX10083345	Test Procedure	24 - Federal fuel refueling test (ORVR)
Exhaust Test # for this Evap Test	SNSX10083344	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)
Test Date	07/14/2023	Fuel	Gasoline
Fuel Batch ID	H00163	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	4043	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	No

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.1031803	--

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	0.103	0.019	0.12	0.20	Pass
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.103	0.019	0.12	0.20	Pass

Certification Summary Information Report

Test Group	VNSXT03.5EWU	Evaporative/Refueling Family	VNSXR0176PFA					
Emission Data Vehicle Information								
Vehicle ID / Configuration	VRB136 / 0	Manufacturer Vehicle Configuration Number	0					
Original Test Group Name	SNSXT03.5AWA	Original Evaporative/Refueling Family	SNSXR0176PFA					
Original Test Vehicle Model Year	2025							
Vehicle Model								
Represented Test Vehicle Make	NISSAN	Represented Test Vehicle Model	ARMADA 4WD PRO4X					
Leak Family Details								
Leak Family Identifier	001	Leak Family Name	SNSXR0176PFA-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	10	Odometer Correction Factor	0.993					
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor							
Odometer Correction Units	Miles							
Engine Code	AR35DAA2	Rated Horsepower	425					
Displacement (liters)	3.5							
Air Aspiration Method	Turbocharged	Air Aspiration Method, if 'Other'						
Number of Air Aspiration Devices	2	Air Aspiration Device Configuration	Parallel					
Charge Air Cooler Type	Air	Drive Mode While Testing	2-Wheel Drive, Rear					
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)					
Curb Weight (lbs)	6140	Equivalent Test Weight (pounds)	6500					
GVWR (lbs)	7810	N/V Ratio	21					
Axle Ratio	3.36							
Transmission Type	Semi-Automatic	# of Transmission Gears	9					
Transmission Lockup	Yes	Creep Gear	No					

Certification Summary Information Report

Test Group		VNSXT03.5EWU			Evaporative/Refueling Family		VNSXR0176PFA	
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	56.04	0.5189	0.03816	23.61	0.2415	0.03922	23.7	
Cold CO	62.27	0.5766	0.0424	24.44	0.1661	0.04397	N/A	
US06	56.04	0.5189	0.03816	23.61	0.2415	0.03922	N/A	
Emission Control Device Comments		--						
Manufacturer Test Vehicle Comments		Sport mode						

Certification Summary Information Report

Test Group	VNSXT03.5EWU	Evaporative/Refueling Family	VNSXR0176PFA
Test #	SNSX10086582	Test Procedure	11 - Cold CO
Exhaust Test # for this Evap Test	--	Test Fuel Type	28 - Cold CO E10 Regular Gasoline (Tier 3)
Test Date	03/26/2024	Fuel	Gasoline
Fuel Batch ID	280235	Fuel Calibration Number	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	DF Type	Mfr. Determined
Verify Test Lab ID	560-2 Okatsukoku		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4154	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)	609.20552	--
FE BAG 1 (Bag 1 Fuel Economy)	14.1	14.1
CO2 BAG 2 (Bag 2 Carbon Dioxide)	531.84099	--
FE BAG 2 (Bag 2 Fuel Economy)	16.3	16.3
CO2 BAG 3 (Bag 3 Carbon Dioxide)	467.38811	--
FE BAG 3 (Bag 3 Fuel Economy)	18.6	18.6
CO (Carbon Monoxide)	0.6749533	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	1.18	--
DT-EER (Drive Trace Energy Economy Rating)	1	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	1.36	--
MFR FE (Manufacturer Fuel Economy)	16.3	16.3
HC-NM (Non-methane Hydrocarbon)	0.0931749	--
HC-TOTAL (Total Hydrocarbon)	0.1061965	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	530.1836588	--

Manufacturer Test Comments --

Certification Summary Information Report

Test Group		VNSXT03.5EWU				Evaporative/Refueling Family				VNSXR0176PFA		
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 50	CO	0.67	--	--	--	0.00	--	0.7	12.5	Pass
Fed	120,000 miles	Federal Tier 3 Bin 50	HC-NM	0.09	--	--	--	0.00	--	0.1	0.5	Pass
CA	50,000 miles	California LEV-IV ULEV50	CO	0.67	--	--	--	0.00	--	0.7	12.5	Pass

Certification Summary Information Report

Test Group	VNSXT03.5EWU	Evaporative/Refueling Family	VNSXR0176PFA
Test #	SNSX10086583	Test Procedure	35 - California fuel 3-day exhaust
Exhaust Test # for this Evap Test	--	Test Fuel Type	46 - CARB LEV3 E10 Regular Gasoline
Test Date	04/05/2024	Fuel	Gasoline
Fuel Batch ID	460463	Fuel Calibration Number	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	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			
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	
CO2 BAG 1 (Bag 1 Carbon Dioxide)	467.04778	--	
FE BAG 1 (Bag 1 Fuel Economy)	18.7	18.7	
CO2 BAG 2 (Bag 2 Carbon Dioxide)	452.83515	--	
FE BAG 2 (Bag 2 Fuel Economy)	19.3	19.3	
CO2 BAG 3 (Bag 3 Carbon Dioxide)	431.85206	--	
FE BAG 3 (Bag 3 Fuel Economy)	20.2	20.2	
METHANE (CH4 - Methane)	0.003194	--	
CO (Carbon Monoxide)	0.0824236	--	
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.3	--	
DT-EER (Drive Trace Energy Economy Rating)	0.47	--	
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.06	--	
HCHO (Formaldehyde)	0.0000919	--	
MFR FE (Manufacturer Fuel Economy)	19.4	19.4	
NOX (Nitrogen Oxide)	0.0135743	--	
N2O (Nitrous Oxide)	0.0013112	--	
HC-NM (Non-methane Hydrocarbon)	0.0070128	--	
NMOG (Non-methane organic gases)	0.0077225	--	
PM (Particulate Matter)	0.0002734	--	
HC-TOTAL (Total Hydrocarbon)	0.0100086	--	

Certification Summary Information Report

Test Group		VNSXT03.5EWU			Evaporative/Refueling Family				VNSXR0176PFA			
		Test Result Name		Unrounded Test Result			Verify Calculated CREE/OPT-CREE					
		Carbon-Related Exhaust Emissions		450.155973			999					
		Test Result Name		Unrounded Test Result			Verify Calculated CO2					
		Carbon dioxide		450.0232952			--					
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 50	METHANE	0.0032	--	--	--	0.0000	--	0.003	0.030	Pass
Fed	120,000 miles	Federal Tier 3 Bin 50	N2O	0.0013	--	--	--	0.0007	--	0.002	0.010	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	CO	0.08	--	--	--	0.00	--	0.1	1.7	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	CO-COMP	0.52	--	--	--	0	--	0.5	4.2	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	NMOG	0.0077	1	1.10120	--	0.0009	--	0.009	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	NMOG+NOX	0.0213	--	--	--	--	--	0.022	0.050	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	NMOG+NOX-COMP	0.0244	--	--	--	0	--	0.024	0.080	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	NOX	0.0136	--	--	--	0.0000	--	0.014	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	PM	0.0003	--	--	--	0.0001	--	0.000	0.003	Pass
CA	150,000 miles	California LEV-IV ULEV50	CO	0.08	--	--	--	0.00	--	0.1	1.7	Pass
CA	150,000 miles	California LEV-IV ULEV50	METHANE	0.0032	--	--	--	0.0000	--	0.003	0.030	Pass
CA	150,000 miles	California LEV-IV ULEV50	N2O	0.0013	--	--	--	0.0009	--	0.002	0.010	Pass
CA	150,000 miles	California LEV-IV ULEV50	NMOG	0.0077	1	1.10120	--	0.0009	--	0.009	999.999	Pass
CA	150,000 miles	California LEV-IV ULEV50	NMOG+NOX	0.0213	--	--	--	--	--	0.022	0.050	Pass
CA	150,000 miles	California LEV-IV ULEV50	NOX	0.0136	--	--	--	0.0000	--	0.014	999.999	Pass
CA	150,000 miles	California LEV-IV ULEV50	PM	0.0003	--	--	--	0.0001	--	0.000	0.001	Pass

Certification Summary Information Report

Test Group	VNSXT03.5EWU	Evaporative/Refueling Family	VNSXR0176PFA
Test #	SNSX10086584	Test Procedure	3 - HWFE
Exhaust Test # for this Evap Test	--	Test Fuel Type	46 - CARB LEV3 E10 Regular Gasoline
Test Date	04/05/2024	Fuel	Gasoline
Fuel Batch ID	460463	Fuel Calibration Number	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	DF Type	Mfr. Determined
Verify Test Lab ID	560-2 Okatsukoku		
E10 Evaporative Test Measurement Method	--	Odometer Units	M
Test Start Odometer Reading	4262	Diesel Adjustment Factor Usage	--
4WD Test Dyno	No		
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)	0.0896827	--	
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-1.7	--	
DT-EER (Drive Trace Energy Economy Rating)	-0.07	--	
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-2.15	--	
MFR FE (Manufacturer Fuel Economy)	26.2	26.2	
NOX (Nitrogen Oxide)	0.0018996	--	
HC-NM (Non-methane Hydrocarbon)	0.0004285	--	
NMOG (Non-methane organic gases)	0.0004414	--	
HC-TOTAL (Total Hydrocarbon)	0	--	
Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE	
Carbon-Related Exhaust Emissions	333.14139	999	
Test Result Name	Unrounded Test Result	Verify Calculated CO2	
Carbon dioxide	333.3843923	--	
Manufacturer Test Comments	--		

Certification Summary Information Report

Test Group		VNSXT03.5EWU				Evaporative/Refueling Family				VNSXR0176PFA		
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 50	CREE	999	--	--	--	0.000000	--	999	--	--
Fed	150,000 miles	Federal Tier 3 Bin 50	NMOG	0.0004	1	1.03	--	0.0009	--	0.001	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	NMOG+NOX	0.0023	--	--	--	--	--	0.003	0.050	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	NOX	0.0019	--	--	--	0.0000	--	0.002	999.999	Pass
CA	150,000 miles	California LEV-IV ULEV50	NMOG	0.0004	1	1.03	--	0.0009	--	0.001	999.999	Pass
CA	150,000 miles	California LEV-IV ULEV50	NMOG+NOX	0.0023	--	--	--	--	--	0.003	0.050	Pass
CA	150,000 miles	California LEV-IV ULEV50	NOX	0.0019	--	--	--	0.0000	--	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	VNSXT03.5EWU	Evaporative/Refueling Family	VNSXR0176PFA
Test #	SNSX10086585	Test Procedure	90 - US06
Exhaust Test # for this Evap Test	--	Test Fuel Type	46 - CARB LEV3 E10 Regular Gasoline
Test Date	04/05/2024	Fuel	Gasoline
Fuel Batch ID	460463	Fuel Calibration Number	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	DF Type	Mfr. Determined
Verify Test Lab ID	560-2 Okatsukoku		
E10 Evaporative Test Measurement Method	--	Odometer Units	M
Test Start Odometer Reading	4285	Diesel Adjustment Factor Usage	--
4WD Test Dyno	No		
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)	794.94578	--	
FE BAG 1 (Bag 1 Fuel Economy)	10.9	10.9	
CO2 BAG 2 (Bag 2 Carbon Dioxide)	474.93957	--	
FE BAG 2 (Bag 2 Fuel Economy)	18.3	18.3	
CO (Carbon Monoxide)	1.6764883	--	
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-3.22	--	
DT-EER (Drive Trace Energy Economy Rating)	-0.88	--	
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-5.75	--	
MFR FE (Manufacturer Fuel Economy)	15.9	15.9	
NOX (Nitrogen Oxide)	0.0107057	--	
HC-NM (Non-methane Hydrocarbon)	0.0174623	--	
NMOG (Non-methane organic gases)	0.0179862	--	
PM (Particulate Matter)	0.0024323	--	
HC-TOTAL (Total Hydrocarbon)	0.0250566	--	
Test Result Name	Unrounded Test Result	Verify Calculated CO2	
Carbon dioxide	545.3625577	--	
Manufacturer Test Comments	--		

Certification Summary Information Report

Test Group		VNSXT03.5EWU				Evaporative/Refueling Family				VNSXR0176PFA		
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 50	CO	1.6765	--	--	--	0.00	--	1.676	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	NMOG	0.0180	1	1.03	--	0.0009	--	0.019	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	NOX	0.0107	--	--	--	0.0000	--	0.011	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	PM	0.0024	--	--	--	0.0001	--	0.002	0.006	Pass
CA	150,000 miles	California LEV-IV ULEV50	CO	1.68	--	--	--	0.00	--	1.7	9.6	Pass
CA	150,000 miles	California LEV-IV ULEV50	NMOG	0.0180	1	1.03	--	0.0009	--	0.019	999.999	Pass
CA	150,000 miles	California LEV-IV ULEV50	NMOG+NOX	0.0287	--	--	--	--	--	0.030	0.060	Pass
CA	150,000 miles	California LEV-IV ULEV50	NOX	0.0107	--	--	--	0.0000	--	0.011	999.999	Pass
CA	150,000 miles	California LEV-IV ULEV50	PM	0.0024	--	--	--	0.0001	--	0.002	0.006	Pass

Certification Summary Information Report

Test Group	VNSXT03.5EWU	Evaporative/Refueling Family	VNSXR0176PFA																														
Test #	SNSX10086586	Test Procedure	95 - SC03																														
Exhaust Test # for this Evap Test	--	Test Fuel Type	46 - CARB LEV3 E10 Regular Gasoline																														
Test Date	04/15/2024	Fuel	Gasoline																														
Fuel Batch ID	460463	Fuel Calibration Number	1																														
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	DF Type	Mfr. Determined																														
Verify Test Lab ID	560-2 Okatsukoku																																
E10 Evaporative Test Measurement Method	--	Odometer Units	M																														
Test Start Odometer Reading	4329	Diesel Adjustment Factor Usage	--																														
4WD Test Dyno	No																																
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>CO (Carbon Monoxide)</td> <td>0.0661797</td> <td>--</td> </tr> <tr> <td>DT-ASCR (Drive Trace Absolute Speed Change Rating)</td> <td>-0.09</td> <td>--</td> </tr> <tr> <td>DT-EER (Drive Trace Energy Economy Rating)</td> <td>0.44</td> <td>--</td> </tr> <tr> <td>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</td> <td>0.3</td> <td>--</td> </tr> <tr> <td>MFR FE (Manufacturer Fuel Economy)</td> <td>16.7</td> <td>16.7</td> </tr> <tr> <td>NOX (Nitrogen Oxide)</td> <td>0.0200305</td> <td>--</td> </tr> <tr> <td>HC-NM (Non-methane Hydrocarbon)</td> <td>0.0016706</td> <td>--</td> </tr> <tr> <td>NMOG (Non-methane organic gases)</td> <td>0.0017207</td> <td>--</td> </tr> <tr> <td>HC-TOTAL (Total Hydrocarbon)</td> <td>0.0027901</td> <td>--</td> </tr> </tbody> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	CO (Carbon Monoxide)	0.0661797	--	DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.09	--	DT-EER (Drive Trace Energy Economy Rating)	0.44	--	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.3	--	MFR FE (Manufacturer Fuel Economy)	16.7	16.7	NOX (Nitrogen Oxide)	0.0200305	--	HC-NM (Non-methane Hydrocarbon)	0.0016706	--	NMOG (Non-methane organic gases)	0.0017207	--	HC-TOTAL (Total Hydrocarbon)	0.0027901	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)																															
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DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.3	--																															
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NOX (Nitrogen Oxide)	0.0200305	--																															
HC-NM (Non-methane Hydrocarbon)	0.0016706	--																															
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Test Result Name	Unrounded Test Result	Verify Calculated CO2																															
Carbon dioxide	523.9107735	--																															
Manufacturer Test Comments	--																																

Certification Summary Information Report

Test Group		VNSXT03.5EWU				Evaporative/Refueling Family				VNSXR0176PFA		
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 50	CO	0.0662	--	--	--	0.00	--	0.066	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	NMOG	0.0017	1	1.03	--	0.0009	--	0.003	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	NOX	0.0200	--	--	--	0.0000	--	0.020	999.999	Pass
CA	150,000 miles	California LEV-IV ULEV50	CO	0.07	--	--	--	0.00	--	0.1	1.7	Pass
CA	150,000 miles	California LEV-IV ULEV50	NMOG	0.0017	1	1.03	--	0.0009	--	0.003	999.999	Pass
CA	150,000 miles	California LEV-IV ULEV50	NMOG+NOX	0.0217	--	--	--	--	--	0.023	0.050	Pass
CA	150,000 miles	California LEV-IV ULEV50	NOX	0.0200	--	--	--	0.0000	--	0.020	999.999	Pass

Certification Summary Information Report

Test Group	VNSXT03.5EWU	Evaporative/Refueling Family	VNSXR0176PFA
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Emission Data Vehicle Information

Vehicle ID / Configuration	VRB136 / 1	Manufacturer Vehicle Configuration Number	1
Original Test Group Name	SNSXT03.5AWA	Original Evaporative/Refueling Family	SNSXR0176PFA
Original Test Vehicle Model Year	2025		

Vehicle Model

Represented Test Vehicle Make	NISSAN	Represented Test Vehicle Model	ARMADA 4WD PRO4X
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Leak Family Details

Leak Family Identifier	001	Leak Family Name	SNSXR0176PFA-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	10	Odometer Correction Factor	0.993
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor		
Odometer Correction Units	Miles		
Engine Code	AR35DAA2	Rated Horsepower	425
Displacement (liters)	3.5		
Air Aspiration Method	Turbocharged	Air Aspiration Method, if 'Other'	
Number of Air Aspiration Devices	2	Air Aspiration Device Configuration	Parallel
Charge Air Cooler Type	Air	Drive Mode While Testing	2-Wheel Drive, Rear
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)
Curb Weight (lbs)	6140	Equivalent Test Weight (pounds)	6500
GVWR (lbs)	7810	N/V Ratio	21
Axle Ratio	3.36		
Transmission Type	Semi-Automatic	# of Transmission Gears	9
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	56.04	0.5189	0.03816	23.61	0.2415	0.03922	23.7
US06	56.04	0.5189	0.03816	23.61	0.2415	0.03922	N/A

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Certification Summary Information Report

Test Group	VNSXT03.5EWU	Evaporative/Refueling Family	VNSXR0176PFA
Test #	SNSX10086593	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	04/24/2024	Fuel	Gasoline
Fuel Batch ID	610420	Fuel Calibration Number	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	DF Type	Mfr. Determined
Verify Test Lab ID	560-2 Okatsukoku		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4453	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)	485.07841	--
FE BAG 1 (Bag 1 Fuel Economy)	18.3	18.3
CO2 BAG 2 (Bag 2 Carbon Dioxide)	460.12992	--
FE BAG 2 (Bag 2 Fuel Economy)	19.4	19.4
CO2 BAG 3 (Bag 3 Carbon Dioxide)	433.84346	--
FE BAG 3 (Bag 3 Fuel Economy)	20.5	20.5
METHANE (CH4 - Methane)	0.0106039	--
CO (Carbon Monoxide)	0.3180372	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.25	--
DT-EER (Drive Trace Energy Economy Rating)	0.7	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.2	--
MFR FE (Manufacturer Fuel Economy)	19.5	19.5
NOX (Nitrogen Oxide)	0.0158429	--
HC-NM (Non-methane Hydrocarbon)	0.0118424	--
NMOG (Non-methane organic gases)	0.0122	--
HC-TOTAL (Total Hydrocarbon)	0.0220625	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	458.5729057	459

Certification Summary Information Report

Test Group		VNSXT03.5EWU				Evaporative/Refueling Family				VNSXR0176PFA			
		Test Result Name		Unrounded Test Result			Verify Calculated CO2						
		Carbon dioxide		458.0730351			--						
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 50	CREE	459	--	--	--	0.000000	--	459	--	--	
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	VNSXT03.5EWU	Evaporative/Refueling Family	VNSXR0176PFA
Test #	SNSX10086594	Test Procedure	3 - HWFE
Exhaust Test # for this Evap Test	--	Test Fuel Type	61 - Tier 2 Cert Gasoline
Test Date	04/24/2024	Fuel	Gasoline
Fuel Batch ID	610420	Fuel Calibration Number	1
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	DF Type	Mfr. Determined
Verify Test Lab ID	560-2 Okatsukoku		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4472	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)	0.0478417	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.95	--
DT-EER (Drive Trace Energy Economy Rating)	0.27	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	1.25	--
MFR FE (Manufacturer Fuel Economy)	26.7	26.7
NOX (Nitrogen Oxide)	0.003345	--
HC-NM (Non-methane Hydrocarbon)	0.0003352	--
NMOG (Non-methane organic gases)	0.0003453	--
HC-TOTAL (Total Hydrocarbon)	0.0001243	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	334.0788676	334

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	333.7054903	--

Manufacturer Test Comments --

Certification Summary Information Report

Test Group		VNSXT03.5EWU				Evaporative/Refueling Family				VNSXR0176PFA		
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 50	CREE	334	--	--	--	0.000000	--	334	--	--
Fed	150,000 miles	Federal Tier 3 Bin 50	NMOG	0.0003	1	1.03	--	0.0009	--	0.001	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	NMOG+NOX	0.0036	--	--	--	--	--	0.004	0.050	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	NOX	0.0033	--	--	--	0.0000	--	0.003	999.999	Pass
CA	150,000 miles	California LEV-IV ULEV50	NMOG	0.0003	1	1.03	--	0.0009	--	0.001	999.999	Pass
CA	150,000 miles	California LEV-IV ULEV50	NMOG+NOX	0.0036	--	--	--	--	--	0.004	0.050	Pass
CA	150,000 miles	California LEV-IV ULEV50	NOX	0.0033	--	--	--	0.0000	--	0.003	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	VNSXT03.5EWU	Evaporative/Refueling Family	VNSXR0176PFA
Fuel Properties			
Fuel Batch ID	460463	Fuel Calibration Number	1
Test Fuel Type	46 - CARB LEV3 E10 Regular Gasoline	Fuel Batch Calibration Date	03/15/2024
Fuel Batch Calibration Effective Date	03/15/2024	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	0.756
Fuel Ethanol Volume Percent (%)	10	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17857
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.827	Weight Fraction CO2	--
Fuel Batch ID	470054	Fuel Calibration Number	1
Test Fuel Type	47 - CARB LEV3 E10 Premium Gasoline	Fuel Batch Calibration Date	05/23/2022
Fuel Batch Calibration Effective Date	05/23/2022	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	0.748
Fuel Ethanol Volume Percent (%)	9.9	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17952
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	280235	Fuel Calibration Number	1
Test Fuel Type	28 - Cold CO E10 Regular Gasoline (Tier 3)	Fuel Batch Calibration Date	01/27/2023
Fuel Batch Calibration Effective Date	01/27/2023	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)	17803
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.827	Weight Fraction CO2	--
Fuel Batch ID	610420	Fuel Calibration Number	1
Test Fuel Type	61 - Tier 2 Cert Gasoline	Fuel Batch Calibration Date	01/25/2024
Fuel Batch Calibration Effective Date	01/25/2024	Fuel Batch Calibration Ineffective Date	--
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--

Certification Summary Information Report

Test Group	VNSXT03.5EWU	Evaporative/Refueling Family	VNSXR0176PFA
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.743
Fuel Ethanol Volume Percent (%)	--	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	18432
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.867	Weight Fraction CO2	--
Fuel Batch ID	H00163	Fuel Calibration Number	1
Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	04/20/2022
Fuel Batch Calibration Effective Date	04/20/2022	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	0.746
Fuel Ethanol Volume Percent (%)	9.9	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17926
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.827	Weight Fraction CO2	--
Fuel Batch ID	WD3A06	Fuel Calibration Number	9999
Test Fuel Type	46 - CARB LEV3 E10 Regular Gasoline	Fuel Batch Calibration Date	04/13/2023
Fuel Batch Calibration Effective Date	04/13/2023	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	--
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)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	--	Weight Fraction CO2	--

Certification Summary Information Report

Test Group		VNSXT03.5EWU			Evaporative/Refueling Family			VNSXR0176PFA	
Consolidated List of Standards									
Exhaust Standards									
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			Standard Level			Federal Tier 3 Bin 50	
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	--	--	--	--	--	--	0.000000	999.999
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			Standard Level			California LEV-IV ULEV50	
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	--	--	--	0.0009	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0	0.050
150,000 miles	NOX	--	--	--	--	--	--	0.0000	999.999
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			Standard Level			California LEV-IV ULEV50	
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	--	--	--	--	--	--	0.00	9.6
150,000 miles	NMOG	--	1	1.03	--	--	--	0.0009	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0	0.060
150,000 miles	NOX	--	--	--	--	--	--	0.0000	999.999
150,000 miles	PM	--	--	--	--	--	--	0.0001	0.006

Certification Summary Information Report

Test Group		VNSXT03.5EWU			Evaporative/Refueling Family			VNSXR0176PFA	
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			Standard Level			Federal Tier 3 Bin 50	
Fuel		Gasoline			Test Procedure			California 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	METHANE	--	--	--	--	--	--	0.0000	0.030
120,000 miles	N2O	--	--	--	--	--	--	0.0007	0.010
150,000 miles	CO	--	--	--	--	--	--	0.00	1.7
150,000 miles	CO-COMP	--	--	--	--	--	--	0	4.2
150,000 miles	NMOG	--	1	1.10120	--	--	--	0.0009	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0	0.050
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	0	0.080
150,000 miles	NOX	--	--	--	--	--	--	0.0000	999.999
150,000 miles	PM	--	--	--	--	--	--	0.0001	0.003

Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			Standard Level			Federal Tier 3 Bin 50	
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	--	--	--	--	--	--	0.00	12.5
120,000 miles	HC-NM	--	--	--	--	--	--	0.00	0.5

Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			Standard Level			Federal Tier 3 Bin 50	
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	--	--	--	--	--	--	0.00	999.999
150,000 miles	NMOG	--	1	1.03	--	--	--	0.0009	999.999
150,000 miles	NOX	--	--	--	--	--	--	0.0000	999.999
150,000 miles	PM	--	--	--	--	--	--	0.0001	0.006

Certification Summary Information Report

Test Group		VNSXT03.5EWU			Evaporative/Refueling Family			VNSXR0176PFA	
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			Standard Level			Federal Tier 3 Bin 50	
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	--	--	--	--	--	--	0.000000	999.999
150,000 miles	NMOG	--	1	1.03	--	--	--	0.0009	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0	0.050
150,000 miles	NOX	--	--	--	--	--	--	0.0000	999.999

Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			Standard Level			California LEV-IV ULEV50	
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	--	--	--	--	--	--	0.00	1.7
150,000 miles	NMOG	--	1	1.03	--	--	--	0.0009	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0	0.050
150,000 miles	NOX	--	--	--	--	--	--	0.0000	999.999

Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			Standard Level			Federal Tier 3 Bin 50	
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	--	--	--	--	--	--	0.00	999.999
150,000 miles	NMOG	--	1	1.03	--	--	--	0.0009	999.999
150,000 miles	NOX	--	--	--	--	--	--	0.0000	999.999

Certification Summary Information Report

Test Group	VNSXT03.5EWU	Evaporative/Refueling Family	VNSXR0176PFA
Cert Region	California + CAA Section 177 states	Cert/In-Use Code	Cert
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	Standard Level	California LEV-IV ULEV50
Fuel	Gasoline	Test Procedure	California 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	--	--	--	--	--	--	0.00	1.7
150,000 miles	METHANE	--	--	--	--	--	--	0.0000	0.030
150,000 miles	N2O	--	--	--	--	--	--	0.0009	0.010
150,000 miles	NMOG	--	1	1.10120	--	--	--	0.0009	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0	0.050
150,000 miles	NOX	--	--	--	--	--	--	0.0000	999.999
150,000 miles	PM	--	--	--	--	--	--	0.0001	0.001

Cert Region	California + CAA Section 177 states	Cert/In-Use Code	Cert
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	Standard Level	California LEV-IV ULEV50
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	--	--	--	--	--	--	0.00	12.5

Evaporative/Refueling Standards			
Evaporative/Refueling Family	VNSXR0176PFA	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	--	0.500	0.0000

Evaporative/Refueling Family	VNSXR0176PFA	Cert Region	Federal
Cert/In-Use Code	Cert	Standard Level	Federal Tier 3 Evap
Test Procedure	California fuel 2-day evap		

Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.500	0.0000

Certification Summary Information Report

Test Group		VNSXT03.5EWU		Evaporative/Refueling Family		VNSXR0176PFA	
Evaporative/Refueling Family		VNSXR0176PFA		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Cert		Standard Level		California LEV-IV Zero Evap (Option 2)	
Test Procedure		California fuel 2-day evap					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.500	0.0000		
Evaporative/Refueling Family		VNSXR0176PFA		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		VNSXR0176PFA		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		VNSXR0176PFA		Cert Region		Federal	
Cert/In-Use Code		Cert		Standard Level		Federal Tier 3 Evap	
Test Procedure		CA fuel 3-day evap.					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.500	0.0000		
Evaporative/Refueling Family		VNSXR0176PFA		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	0.019		

Certification Summary Information Report

Test Group		VNSXT03.5EWU		Evaporative/Refueling Family		VNSXR0176PFA	
Evaporative/Refueling Family		VNSXR0176PFA		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Cert		Standard Level		California LEV-IV Zero Evap (Option 2)	
Test Procedure		California Fuel Running Loss					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.05	0.000		
Evaporative/Refueling Family		VNSXR0176PFA		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		VNSXR0176PFA		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	0.019		

Certification Summary Information Report

Test Group		VNSXT03.5EWU	Evaporative/Refueling Family		VNSXR0176PFA
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		VNSXT03.5EWU	Evaporative/Refueling Family		VNSXR0176PFA
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		VNSXT03.5EWU	Evaporative/Refueling Family		VNSXR0176PFA
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		VNSXT03.5EWU	Evaporative/Refueling Family		VNSXR0176PFA
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.

VNSXT03.5EWU

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 VNSXGPGNNAAL
Test Group VNSXT03.5EWU

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
VNSXR0176PFA	Gasoline	QX80 2WD	LUXE	S9 / 3	7610	6000	AR35DAA1	TWC	N.A.	N.A.	DFI	TC	N.A.	3.5	2	2	N.A.	23.6	*1	Federal LDT4 / California LDT2	X	
			PURE	S9 / 3	7610	6000	AR35DAA1	TWC	N.A.	N.A.	DFI	TC	N.A.	3.5	2	2	N.A.	23.6	*1	Federal LDT4 / California LDT2	X	
		QX80 4WD	AUTOGRAPH	S9 / 3	7810	6500	AR35DAA1	TWC	N.A.	N.A.	DFI	TC	N.A.	3.5	2	2	N.A.	23.6	*1	Federal LDT4 / California LDT2	X	X
			LUXE	S9 / 3	7810	6500	AR35DAA1	TWC	N.A.	N.A.	DFI	TC	N.A.	3.5	2	2	N.A.	23.6	*1	Federal LDT4 / California LDT2	X	X
			PURE	S9 / 3	7810	6500	AR35DAA1	TWC	N.A.	N.A.	DFI	TC	N.A.	3.5	2	2	N.A.	23.6	*1	Federal LDT4 / California LDT2	X	X
			SENSORY	S9 / 3	7810	6500	AR35DAA1	TWC	N.A.	N.A.	DFI	TC	N.A.	3.5	2	2	N.A.	23.6	*1	Federal LDT4 / California LDT2	X	X
		[1] ARMADA 2WD	PLATINUM RESERVE	S9 / 3	7575	6000	AR35DAA2	TWC	N.A.	N.A.	DFI	TC	N.A.	3.5	2	2	N.A.	23.6	*1	Federal LDT4 / California LDT2	X	
			PLATINUM	S9 / 3	7575	6000	AR35DAA2	TWC	N.A.	N.A.	DFI	TC	N.A.	3.5	2	2	N.A.	23.6	*1	Federal LDT4 / California LDT2	X	
			SL	S9 / 3	7575	6000	AR35DAA2	TWC	N.A.	N.A.	DFI	TC	N.A.	3.5	2	2	N.A.	23.6	*1	Federal LDT4 / California LDT2	X	
			SV	S9 / 3	7575	6000	AR35DAA2	TWC	N.A.	N.A.	DFI	TC	N.A.	3.5	2	2	N.A.	23.6	*1	Federal LDT4 / California LDT2	X	
		[1] ARMADA 4WD PRO-4X	PRO-4X	S9 / 3	7810	6500	AR35DAA2	TWC	N.A.	N.A.	DFI	TC	N.A.	3.5	2	2	N.A.	23.6	*1	Federal LDT4 / California LDT2	X	X
		[1] ARMADA 4WD	NISMO	S9 / 3	7810	6500	AR35DAA3	TWC	N.A.	N.A.	DFI	TC	N.A.	3.5	2	2	N.A.	23.6	*1	Federal LDT4 / California LDT2	X	X
			PLATINUM RESERVE	S9 / 3	7810	6500	AR35DAA2	TWC	N.A.	N.A.	DFI	TC	N.A.	3.5	2	2	N.A.	23.6	*1	Federal LDT4 / California LDT2	X	X
			PLATINUM	S9 / 3	7810	6500	AR35DAA2	TWC	N.A.	N.A.	DFI	TC	N.A.	3.5	2	2	N.A.	23.6	*1	Federal LDT4 / California LDT2	X	X
			SL	S9 / 3	7810	6500	AR35DAA2	TWC	N.A.	N.A.	DFI	TC	N.A.	3.5	2	2	N.A.	23.6	*1	Federal LDT4 / California LDT2	X	X
			SV	S9 / 3	7810	6000	AR35DAA2	TWC	N.A.	N.A.	DFI	TC	N.A.	3.5	2	2	N.A.	23.6	*1	Federal LDT4 / California LDT2	X	

*1 Refer to Type B of SEC16(11)

[1] With R/C No. VT35EWU-01

VNSXT03.5EWU

Issue date: Refer to cover page

Revision date: [1] 05/11/26

SEC12(4)-1

12. Description of Vehicles Covered by Certificate and Test Parameters

(4) Test Parameter

Durability Group Test Group		VNSXGPGNNAAL VNSXT03.5EWU																	
Carline	Trim	Trans.	ETW	Tire		Axle	N/V	TRLHP	Coastdown	Single Roll Dyno Terms			Shift Schedule ID		Test	Cooling	Special	Sales Area	
	Line		(lbs)	Size	Type	Ratio	Ratio		Time (sec.)	A	B	C	City	Hwy	Proc	Fan Config	Test Proc	50S	CAN
QX80 2WD	LUXE	S9	6000	275/50R22	All season	3.357	21.1	19.4	19.10	44.04	0.3268	0.03418	FTA	HWA	Part1066	*1	*3, *4, *5	X	
	* LUXE	S9	6000	275/50R22	All season	3.357	21.1	19.2	19.31	43.65	0.4216	0.03182	FTA	HWA	Part1066	*1	*3, *4, *5	X	
	PURE	S9	6000	275/60R20	All season	3.357	21.0	19.6	18.94	45.40	0.3171	0.03434	FTA	HWA	Part1066	*1	*3, *5	X	
QX80 4WD	AUTOGRAPH	S9	6500	275/50R22	All season	3.357	21.1	20.3	19.83	48.27	0.3991	0.03357	FTA	HWA	Part1066	*1	*2, *3, *4, *5	X	X
	* AUTOGRAPH	S9	6500	275/50R22	All season	3.357	21.1	20.1	20.03	47.88	0.4939	0.03121	FTA	HWA	Part1066	*1	*2, *3, *4, *5	X	X
	LUXE	S9	6500	275/50R22	All season	3.357	21.1	20.3	19.83	48.27	0.3991	0.03357	FTA	HWA	Part1066	*1	*2, *3, *4, *5	X	X
	* LUXE	S9	6500	275/50R22	All season	3.357	21.1	20.1	20.03	47.88	0.4939	0.03121	FTA	HWA	Part1066	*1	*2, *3, *4, *5	X	X
	PURE	S9	6500	275/60R20	All season	3.357	21.0	20.4	19.70	50.96	0.4131	0.03261	FTA	HWA	Part1066	*1	*2, *3, *5	X	X
	SENSORY	S9	6500	275/50R22	All season	3.357	21.1	20.3	19.83	48.27	0.3991	0.03357	FTA	HWA	Part1066	*1	*2, *3, *4, *5	X	X
	* SENSORY	S9	6500	275/50R22	All season	3.357	21.1	20.1	20.03	47.88	0.4939	0.03121	FTA	HWA	Part1066	*1	*2, *3, *4, *5	X	X
	SENSORY	S9	6500	275/50R22	All season	3.357	21.1	20.5	19.64	48.27	0.3991	0.03417	FTA	HWA	Part1066	*1	*2, *3, *4, *5	X	X
	* SENSORY	S9	6500	275/50R22	All season	3.357	21.1	20.3	19.80	46.71	0.5431	0.03140	FTA	HWA	Part1066	*1	*2, *3, *4, *5	X	X
	PLATINUM RESERVE	S9	6000	275/50R22	All season	3.357	21.1	19.2	19.33	47.01	0.2650	0.03352	FTA	HWA	Part1066	*1	*3, *4, *5	X	
[1] ARMADA 2WD	* PLATINUM RESERVE	S9	6000	275/50R22	All season	3.357	21.1	19.1	19.39	46.49	0.3130	0.03259	FTA	HWA	Part1066	*1	*3, *4, *5	X	
	PLATINUM	S9	6000	275/60R20	All season	3.357	21.0	19.0	19.53	47.12	0.2675	0.03283	FTA	HWA	Part1066	*1	*3, *5	X	
	SL	S9	6000	275/60R20	All season	3.357	21.0	19.0	19.53	47.12	0.2675	0.03283	FTA	HWA	Part1066	*1	*3, *5	X	
[1] ARMADA 4WD PRO-4X	SV	S9	6000	265/70R18	All season	3.357	21.3	19.1	19.47	48.02	0.2675	0.03266	FTA	HWA	Part1066	*1	*3, *5	X	
	PRO-4X	S9	6500	275/60R20	All Terrain	3.357	21.0	23.7	17.01	56.04	0.5189	0.03816	FTA	HWA	Part1066	*1	*2, *3, *4, *5	X	X
	* PRO-4X	S9	6500	275/60R20	All Terrain	3.357	21.0	23.6	17.05	55.52	0.5672	0.03722	FTA	HWA	Part1066	*1	*2, *3, *4, *5	X	X
[1] ARMADA 4WD	NISMO	S9	6500	275/50R22	All season	3.357	21.1	20.6	19.52	53.11	0.2741	0.03511	FTA	HWA	Part1066	*1	*2, *3, *4, *5	X	X
	* NISMO	S9	6500	275/50R22	All season	3.357	21.1	20.5	19.62	52.07	0.3701	0.03326	FTA	HWA	Part1066	*1	*2, *3, *4, *5	X	X
	PLATINUM RESERVE	S9	6500	275/50R22	All season	3.357	21.1	20.4	19.72	49.74	0.2714	0.03589	FTA	HWA	Part1066	*1	*2, *3, *4, *5	X	X
	* PLATINUM RESERVE	S9	6500	275/50R22	All season	3.357	21.1	20.3	19.77	49.22	0.3194	0.03496	FTA	HWA	Part1066	*1	*2, *3, *4, *5	X	X
	PLATINUM	S9	6500	275/60R20	All season	3.357	21.0	20.2	19.91	49.86	0.2741	0.03519	FTA	HWA	Part1066	*1	*2, *3, *5	X	X
	SL	S9	6500	275/60R20	All season	3.357	21.0	20.2	19.91	49.86	0.2741	0.03519	FTA	HWA	Part1066	*1	*2, *3, *5	X	X
	SV	S9	6000	265/70R18	All season	3.357	21.3	19.8	18.76	47.24	0.2741	0.03502	FTA	HWA	Part1066	*1	*2, *3, *5	X	

* TRLHP, Coastdown Time and Single Roll Dyno Terms with turning on Air sus Auto height mode.

- *1 The road speed fan to all cycles.
- *2 Remove the front propeller shaft. Then test as the rear wheel drive vehicle.
- *3 Set in maintenance mode. Refer to Type A of SEC16(10)-1.
- *4 Turn off Air sus Auto height mode SW.
- *5 If engine is started, turn off the VDC system within 10 seconds always.

[1] With R/C No. VT35EWU-01

VNSXT03.5EWU
Issue date: Refer to cover page
Revision date: [1] 05/11/26

SEC12(4)-2

12. Description of Vehicles Covered by Certificate and Test Parameters

(4) Test Parameter

Durability Group VNSXGPGNNAAL
Test Group VNSXT03.5EWU

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	97.2	26.0	99.9	39.0	103.5	52.0	106.9	65.0	109.8
0.5	95.0	13.5	97.3	26.5	100.2	39.5	103.6	52.5	107.0	65.5	109.9
1.0	95.0	14.0	97.3	27.0	100.4	40.0	103.7	53.0	107.1	66.0	109.9
1.5	95.3	14.5	97.4	27.5	100.5	40.5	103.7	53.5	107.2	66.5	110.0
2.0	95.3	15.0	97.5	28.0	100.5	41.0	103.8	54.0	107.3	67.0	110.3
2.5	95.3	15.5	97.7	28.5	100.8	41.5	104.0	54.5	107.5	67.5	110.3
3.0	95.4	16.0	97.8	29.0	100.8	42.0	104.2	55.0	107.7	68.0	110.6
3.5	95.4	16.5	97.8	29.5	100.9	42.5	104.4	55.5	107.9	68.5	110.6
4.0	95.5	17.0	98.0	30.0	100.9	43.0	104.5	56.0	107.9	69.0	110.7
4.5	95.5	17.5	98.2	30.5	101.1	43.5	104.6	56.5	108.1	69.5	110.7
5.0	95.5	18.0	98.2	31.0	101.3	44.0	104.7	57.0	108.1	70.0	110.8
5.5	95.6	18.5	98.2	31.5	101.4	44.5	104.8	57.5	108.1	70.5	110.8
6.0	95.7	19.0	98.4	32.0	101.5	45.0	105.0	58.0	108.4	71.0	111.0
6.5	95.8	19.5	98.4	32.5	101.7	45.5	105.2	58.5	108.5	71.5	111.2
7.0	95.9	20.0	98.6	33.0	101.8	46.0	105.3	59.0	108.6	72.0	111.2
7.5	96.0	20.5	98.8	33.5	101.9	46.5	105.4	59.5	108.7		
8.0	96.2	21.0	98.9	34.0	102.0	47.0	105.5	60.0	108.8		
8.5	96.3	21.5	99.0	34.5	102.0	47.5	105.7	60.5	108.8		
9.0	96.4	22.0	99.1	35.0	102.4	48.0	105.8	61.0	109.0		
9.5	96.4	22.5	99.1	35.5	102.4	48.5	105.9	61.5	109.0		
10.0	96.5	23.0	99.3	36.0	102.5	49.0	106.1	62.0	109.1		
10.5	96.6	23.5	99.4	36.5	102.7	49.5	106.3	62.5	109.2		
11.0	96.7	24.0	99.7	37.0	102.7	50.0	106.3	63.0	109.4		
11.5	96.8	24.5	99.8	37.5	102.8	50.5	106.4	63.5	109.4		
12.0	96.9	25.0	99.8	38.0	103.1	51.0	106.6	64.0	109.6		
12.5	97.1	25.5	99.9	38.5	103.2	51.5	106.7	64.5	109.8		

VNSXT03.5EWU

Issue date: Refer to cover page

Revision date:

SEC12(4)-3

12. Description of Vehicles Covered by Certificate and Test Parameters

(4) Test Parameter

Durability Group VNSXGPGNNAAL
Test Group VNSXT03.5EWU

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	107.2	26.0	109.9	39.0	113.5	52.0	117.0	65.0	119.8
0.5	105.1	13.5	107.3	26.5	110.3	39.5	113.6	52.5	117.1	65.5	120.0
1.0	105.1	14.0	107.4	27.0	110.4	40.0	113.8	53.0	117.1	66.0	120.0
1.5	105.4	14.5	107.5	27.5	110.6	40.5	113.8	53.5	117.3	66.5	120.1
2.0	105.4	15.0	107.6	28.0	110.6	41.0	113.9	54.0	117.4	67.0	120.4
2.5	105.4	15.5	107.8	28.5	110.8	41.5	114.1	54.5	117.6	67.5	120.4
3.0	105.4	16.0	107.9	29.0	110.8	42.0	114.3	55.0	117.8	68.0	120.7
3.5	105.4	16.5	107.9	29.5	110.9	42.5	114.4	55.5	118.0	68.5	120.7
4.0	105.5	17.0	108.1	30.0	111.0	43.0	114.5	56.0	118.0	69.0	120.7
4.5	105.5	17.5	108.2	30.5	111.2	43.5	114.7	56.5	118.1	69.5	120.7
5.0	105.6	18.0	108.2	31.0	111.4	44.0	114.8	57.0	118.1	70.0	120.9
5.5	105.7	18.5	108.3	31.5	111.5	44.5	114.9	57.5	118.2	70.5	120.9
6.0	105.8	19.0	108.5	32.0	111.6	45.0	115.1	58.0	118.5	71.0	121.1
6.5	105.9	19.5	108.5	32.5	111.7	45.5	115.3	58.5	118.6	71.5	121.3
7.0	106.0	20.0	108.7	33.0	111.8	46.0	115.3	59.0	118.7	72.0	121.3
7.5	106.1	20.5	108.9	33.5	112.0	46.5	115.4	59.5	118.8		
8.0	106.3	21.0	109.0	34.0	112.1	47.0	115.6	60.0	118.9		
8.5	106.3	21.5	109.0	34.5	112.1	47.5	115.8	60.5	118.9		
9.0	106.5	22.0	109.1	35.0	112.5	48.0	115.9	61.0	119.0		
9.5	106.5	22.5	109.1	35.5	112.5	48.5	116.0	61.5	119.1		
10.0	106.6	23.0	109.4	36.0	112.6	49.0	116.2	62.0	119.2		
10.5	106.7	23.5	109.5	36.5	112.7	49.5	116.3	62.5	119.3		
11.0	106.8	24.0	109.8	37.0	112.8	50.0	116.4	63.0	119.5		
11.5	106.9	24.5	109.9	37.5	112.9	50.5	116.5	63.5	119.5		
12.0	107.0	25.0	109.9	38.0	113.2	51.0	116.7	64.0	119.7		
12.5	107.2	25.5	109.9	38.5	113.3	51.5	116.8	64.5	119.8		

VNSXT03.5EWU

Issue date: Refer to cover page

Revision date:

14. Request for Certification

Request for Certificate to ARB

Test Group	VNSXT03.5EWU
Exhaust emission control system number	1 of 1
Evaporative/Refueling Family	VNSXR0176PFA
[1] Carline	QX80 4WD
	QX80 2WD
	ARMADA 2WD
	ARMADA 4WD
	ARMADA 4WD PRO-4X

Nissan Motor Co., Ltd. requests that ARB re-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

[1] With R/C No. VT35EWU-01

VNSXT03.5EWU

Issue date: Refer to cover page

Revision date: [1] 05/11/26

14. Request for Certification

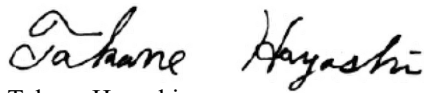
Request for Certificate to EPA

Test Group	VNSXT03.5EWU
Exhaust emission control system number	1 of 1
Evaporative/Refueling Family	VNSXR0176PFA
[1] Carline	QX80 4WD
	QX80 2WD
	ARMADA 2WD
	ARMADA 4WD
	ARMADA 4WD PRO-4X

Nissan Motor Co., Ltd. requests that EPA re-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

[1] With R/C No. VT35EWU-01

VNSXT03.5EWU

Issue date: Refer to cover page

Revision date: [1] 05/11/26

SEC15(1)

15. Other Information

(1) Fee Filing Form

Refer to the attached Fee Filing Form.

VNSXT03.5EWU

Issue date: Refer to cover page

Revision date:

US EPA Fee Form

[Help and EPA Instructions](#)

* Required Field

General Information

Date: 11/18/2025

Process Code *

Submit Additional Payment Information for Previous 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

Engine Family / Evaporative Family / Test Group *

VNSXT03.5EWU

Note: If the Engine Family / Evaporative Family / Test Group has changed then you must submit a Correction/Revision form first.

Original Payment Information

Payment Date *

08/25/2025



Amount Paid *

\$32,939.00

Check#/Wire/ACH/Pay.gov Tracking Number *

27QMTKFR, 27QMTKG9

Reason for Additional Payment

Additional Payment Reason *

- ☐ Underpayment
- ☒ Reduced fee payment for additional vehicles/engines
- ☐ New calendar year fee schedule change
- ☐ Other (explain in comments box)

Has a certificate been issued? *

No

Payment Information

Amount Owed *

\$31,073.00

Payment Type *

Offline Wire

Comments

We would like to use overpaid 1,244\$ (622\$ of VNSXJ02.0FVM and 622\$ of VNSXT02.0EVW) for VNSXT03.5EWU.

CY26 Fee 32,317\$ - 1,244\$ = 31,073\$

EPA Form Number 3520-29

OMB Control No. 2060-0545

Approval expires 7/31/2027

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

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

US EPA Fee Form

[Help and EPA Instructions](#)

* Required Field

General Information

Date: 11/19/2025

Process Code *

Request Fee Refund

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

Engine Family / Evaporative Family / Test Group *

VNSXJ02.0FVM

Original Payment Information

Payment Date *

08/25/2025



Amount Paid *

\$32,939.00

Check#/Wire/ACH/Pay.gov Tracking Number *

27QMTKFR

Reason for Refund

Reason For Refund *

- ☐ This family failed to receive an EPA certificate (no certificate issued)
- ☐ Manufacturer withdraws request for certification and no certificate will be issued
- ☒ Overpayment
- ☐ No production
- ☐ Other (Explain in comments box below)

Amount of Refund Requested *

\$622.00

Refund Method *

Transfer

Engine Family/Test Group to Apply the Refund to *

VNSXT03.5EWU

Comments

We would like to use overpaid 1,244\$(622\$ of VNSXJ02.0FVM and 622\$ of VNSXT02.0EVW) for VNSXT03.5EWU.

EPA Form Number 3520-29

OMB Control No.2060-0545

Approval expires 7/31/2027

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

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

US EPA Fee Form

[Help and EPA Instructions](#)

* Required Field

General Information

Date: 11/19/2025

Process Code *

Request Fee Refund

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

Engine Family / Evaporative Family / Test Group *

VNSXT02.0EVW

Original Payment Information

Payment Date *

08/25/2025



Amount Paid *

\$32,939.00

Check#/Wire/ACH/Pay.gov Tracking Number *

27QMTKG9

Reason for Refund

Reason For Refund *

- ☐ This family failed to receive an EPA certificate (no certificate issued)
- ☐ Manufacturer withdraws request for certification and no certificate will be issued
- ☒ Overpayment
- ☐ No production
- ☐ Other (Explain in comments box below)

Amount of Refund Requested *

\$622.00

Refund Method *

Transfer

Engine Family/Test Group to Apply the Refund to *

VNSXT03.5EWU

Comments

We would like to use overpaid 1,244\$ (622\$ of VNSXJ02.0FVM and 622\$ of VNSXT02.0EVW) for VNSXT03.5EWU.

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