

PORSCHE

Application for Certification: Initial Part 1

Model Year: 2027

Durability Group: VPRXGPGNNS92

Test Group: VPRXV04.0S92

Evaporative/Refueling Family(ies): VPRXR0170R92

Certification Summary Information Report Number(s): CSI-VPRXV04.0S92-VPRXR0170R92

Durability Group Description: Four Stroke, Otto Cycle, Gasoline-Fueled Direct Injection, Unheated Monolith Ceramic Catalyst

Test Group Description: 4.0 Liter 6-Cylinder PC

Applicable Standards:
EPA Exhaust: BIN 70, Interim Tier 4
CARB Exhaust: ULEV 70
EPA Evap: Tier 3
CARB Evap: LEV IV

Carlines Covered:
911 GT3
911 GT3 (Manual)
911 GT3 Touring
911 GT3 Touring (Manual)
911 GT3 90 F. A. Porsche (Manual)
911 GT3 S/C (Manual)

Vehicles Tested:
Exhaust: ECFE-992GT3-PDK-25
Evap: FE-992-25

Agency Response Requested By: May 8, 2026 - Originally submitted March 30, 2026 - Resubmitting due to CDX issues.

Special Instructions: N/A

For Questions Contact: emissions@porsche.us

Table of Contents

Section	Description	Page No.
1	Correspondence and Communication	1.01
2	Durability Group Description	2.01
3	Evaporative / Refueling Family Description	3.01
	Carry-Over Statements	3.01
4	Durability Information	4.01
	Exhaust / Evaporative / Refueling Deterioration	4.01
5	Test Group Description	5.01
6	Test Vehicle Descriptions	6.01
	Test Parameters	6.02
7	Test Results	7.01
	Certification Summary Information Report	7.02
8	Manufacturer Statements	8.01
	Emissions Testing Waiver Statements	8.01
	Manufacturer Attestations	8.02
9	OBD Description	9.01
	OBD System Description	9.01
	ARB Approval	9.02
10	Description of Alternate-fueled Vehicles	10.1
11	AECD Description	11.01
12	Description of Vehicles Covered By Certificate and Test Parameters	12.01
	Vehicle Parameters	12.01
13	Projected Sales	13.01
	Sales / Phase-Ins	13.01
14	Request for Certification	14.01
	Statement of Compliance	14.01
15	Other Information	15.01
	Fee Filing Forms	15.01
16	Confidential Information	16.01

Blank cells are intentionally blank.

Section 1~Correspondence and Communications

Persons Authorized to
Contact Agencies:

Regulatory Affairs
Porsche Cars North America, Inc.
One Porsche Drive
Atlanta, Georgia 30354
E-mail: emissions@porsche.us

Section 2~Durability Group Description

Durability Group Name: VPRXGPGNNS92

Combustion Cycle: 4-stroke otto

Engine Type: 6-cylinder, horizontal arrangement

Fuel Used: gasoline

Basic Fuel Metering System: direct injection

Catalyst Construction: Refer to Section 16.02

Catalyst Type: Refer to Section 16.02

Model(s):

Catalyst Primary and Secondary Bricks:
Precious Metal Composition, Primary:
Precious Metal Composition, Secondary:
Precious Metal Loading, Primary (g):
Precious Metal Loading, Secondary (g):
Number of cans (lines):
Total Precious Metal Loading (g):

911 GT3 / 4.0L B6
Refer to Section 16.02

Particulate Filter: Refer to Section 16.02

	<u>GS</u>	<u>% of Max GS</u>
911 GT3 / 4.0L B6	Refer to Section 16.02	

Note: blank cells or tables are intentionally blank.

Section 3~Evaporative / Refueling Family Description

Evaporative/Refueling Families

Please refer to Section 3 of the LDV Common Section for a detailed description of this Evaporative/ORVR system.

Family Name	VPRXR0170R92
Carryover Family	TPRXR0170R92
Models Covered	All 911 models
In-Use Performance	To date, no Porsche vehicle ORVR systems have exhibited problems in the field.
ORVR Family: Carryover	Carried over ORVR family originally approved by EPA on 10/16/2002 (1) No substantial changes have been made from the previously certified system (2) Porsche is not aware of any in-use problems with this system as of this time (3) Please refer to the Porsche LDV/LDT Common Section documentation for the ORVR system description.

Section 4~Durability Procedure Description

Exhaust / Evaporative Deterioration

Based on Porsche's engineering judgment, all the vehicles described in this Application for Certification comply with all applicable useful life standards.

Exhaust Deterioration Factors (g/mile):

150K

<u>Basis</u>	<u>NMOG</u>	<u>NOx</u>	<u>NMOG + NOx</u>	<u>CO</u>	<u>HCHO</u>	<u>N2O</u>	<u>CH4</u>	<u>PM</u>	<u>NMHC</u>
150K *	0.0041	0.0012	0.0053	0.07	0.0001	0.0000	0.0028	0.0003	0.0037

* N2O and CH4 basis is 120K

Evaporative Deterioration Factors:

VPRXR0170R92

Porsche SBC

<u>Basis</u>	<u>2-day</u>	<u>3-day</u>	<u>RL</u>	<u>ORVR</u>
150K	0.0000	0.0000	0.0000	0.003

Section 5~Test Group Description

Durability Group Name:	VPRXGPGNNS92
Test Group Name:	VPRXV04.0S92
Certification Summary Information Reports:	CSI-VPRXV04.0S92-VPRXR0170R92
No. Cylinders and Arrangement	6-cylinder, horizontal arrangement
Engine Displacement:	4.0 Liter
Vehicle Classe(s):	PC
NLEV Participation:	No
Emissions Standards Class:	Federal: BIN 70, Interim Tier 4 California: ULEV 70
Applicable Emissions Standards:	Please refer to the Certification Summary Information Report in Section 7
Hybrid Description:	N/A

Section 6~Test Vehicle Description

6.01>> Test Vehicles

	Test Vehicle ID	Vehicle/Config Purpose
Certification Test Vehicles:	ECFE-992GT3-PDK-25	Exhaust Emissions
	FE-992-25	Evaporative Data (All Models)
Durability Test Vehicles:	DDV-992GT3-PDK-25	Exhaust Durability

Test Vehicle Information	Exhaust	Evaporative	Durability (see 6.05)
--------------------------	---------	-------------	-----------------------

Test Group Name	SPRXV04.0S92	SPRXV03.0C92	
Evaporative Family Name	SPRXR0170R92	SPRXR0170R92	
Test Vehicle ID	ECFE-992GT3-PDK-25	FE-992-25	
Test Vehicle Model Name	911 GT3	911 Carrera Cabriolet	
Engine Code	DZP	DYH	
Displacement (L)	4.0	3.0	
Rated Engine Power (HP)	502	388	
Transmission	AMS-7	AMS-7	
Equivalent Test Weight (ETW) (lbs)	3750	4000	
Gross Vehicle Weight (lbs)	3929	4442	
Axle Ratio	3.27	3.12	
Drive Mode for Testing	RWD	AWD	
SIL usage	No	No	
Start - Stop	Yes	Yes	
Aged components	No	No	
Fuel	Gasoline	Gasoline	
Drive Source	ICE	ICE	
Fuels stored separately or together	N/A	N/A	
Fuels combusted separately or together	N/A	N/A	
RESS type	N/A	N/A	
Off-board charge capable	N/A	N/A	
Regenerative Braking	N/A	N/A	

Note: blank cells or tables are intentionally blank

Section 6~Test Vehicle Description

6.02>> Test Parameters, Instructions

Carlines		911 Series		
Engine Starting Procedures		1) Depress brake pedal 2) Turn ignition key clockwise or press button to crank (do not depress accelerator pedal), release key/button as soon as engine starts 3) If engine fails to start within 15 seconds, turn ignition key to the OFF position or depress button, wait 10 seconds, then restart		
Transmission Shift Schedules, Mode	Transmission	Automatic, 7-speed		
	1st to 2nd	N/A		
	2nd to 3rd	N/A		
	3rd to 4th	N/A		
	4th to 5th	N/A		
	5th to 6th	N/A		
	6th to 7th	N/A		
	7th to 8th	N/A		
	SS II.D.	FTP – FTA; HWFE - HWA		
	Transmission Mode	Auto Mode: operate in "D" and auto mode only. Do not shift manually		
Selectable modes	Start-stop	Leave in default mode -- indicator on center console should not be illuminated		
	Other (Sport, Wet, etc.)	Leave all selectable mode buttons in default		
Other	Cooling fan	One road-speed fan, centered upright, front of vehicle		
	Body apertures	Leave all apertures closed		
	Test lab considerations	Porsche can supply instructions separately for E-Brake, Dyno Mode, Soak Area, and Canister loading		

Note: blank cells or tables are intentionally blank

Section 6~Test Vehicle Description

6.03>> Dynamometer Parameters

Vehicle ID	Trans	ETW [lbf]	Single Roll Coefficients (target)		
			A [lbf]	B [lbf/mph]	C [lbf/mph ²]
ECFE-992GT3-PDK-25	AMS-7	3750	36.37	0.4146	0.02006
FE-992-25	AMS-8	4000	38.37	0.5355	0.01609

Vehicle ID	Trans	ETW [lbf]	Single Roll Coefficients (set)		
			A [lbf]	B [lbf/mph]	C [lbf/mph ²]
ECFE-992GT3-PDK-25	AMS-7	3750	-16.53	0.0140	0.02126
FE-992-25	AMS-8	4000	-1.56	0.1633	0.01698

Note: Porsche's RLHP measurement and calculation methods are available upon request.

Note: blank cells or tables are intentionally blank.

Section 6~Test Vehicle Description

6.04>> FFTP Summary

Carlines	911 Series	
Evaporative Testing Parameters	Canister Loading	Canister Working Capacity =170g
	FFTP REPORT ID *	23049741

TEST RESULTS

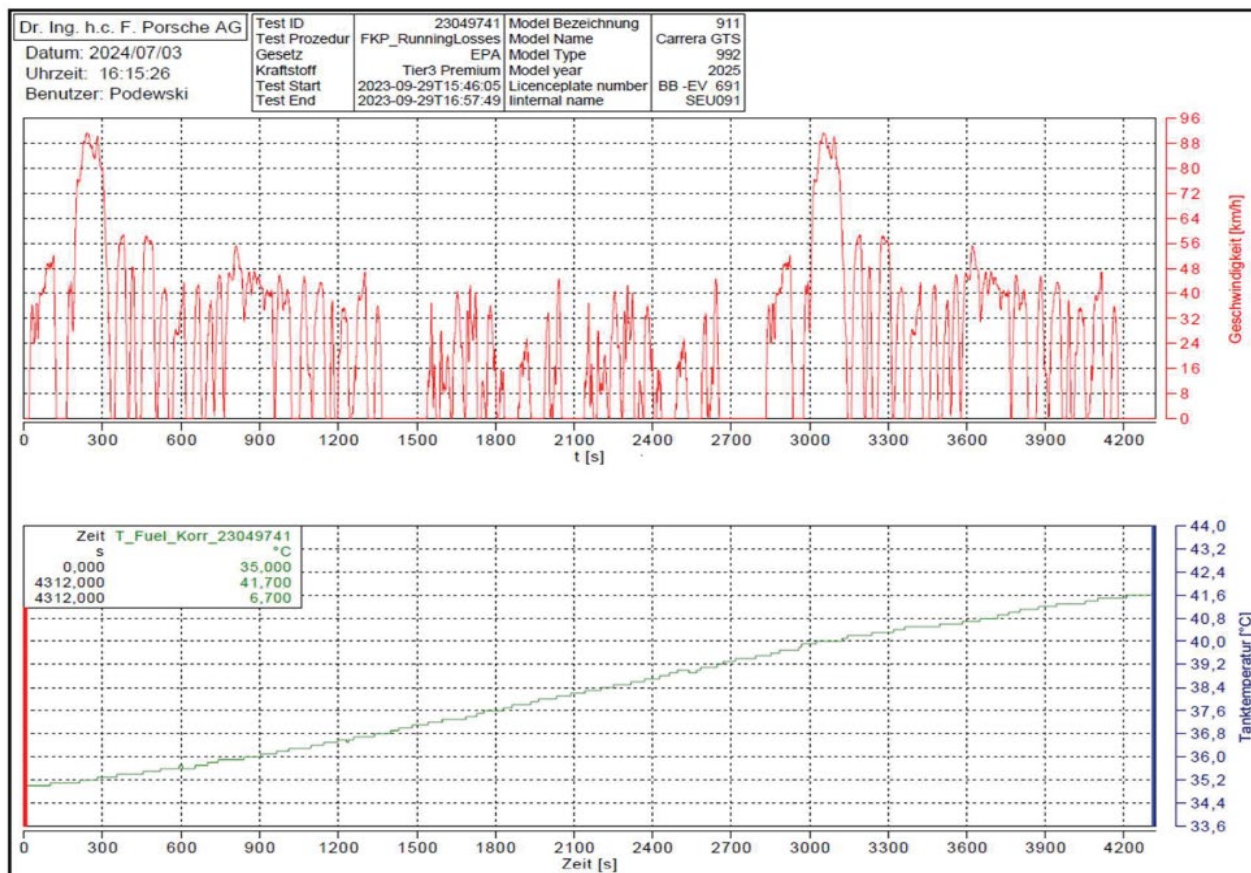


Abbildung 2: Auf 35°C Starttemperatur korrigierter Verlauf mit 992 PA SEU091.

* Full report is available for review

Section 6~Test Vehicle Description

6.05>> Durability Test Vehicle(s)

Available by request.

Section 7~Test Results

7.01>> Exhaust / Evaporative Standards

Exhaust Standards: Federal: **BIN 70** California: **ULEV 70**

Test Cycle	Constituent	Certification Standard (g/mi)		High Altitude (g/mi)	In-Use Standard (g/mi)	
		Federal	California		Federal	California
FTP	NMOG+NOx	0.070	0.070	0.105	0.070	0.070
	CO	1.7	1.7	1.7	1.7	1.7
	HCHO	0.004	0.004	0.004	0.004	0.004
	PM	0.001	0.001	0.001	0.001	0.002
	CH4	0.030	0.030	0.030	0.030	0.030
	N2O	0.010	0.010	0.010	0.010	0.010
HFET	NMOG+NOx	0.050	0.050	0.070	0.050	0.050
SFTP	Composite NMOG+NOx	0.080	--	0.080	0.080	--
	Composite CO	4.2	--	4.2	4.2	--
	Fleet Average NMOG+NOX	0.050	--	N/A	0.050	--
US06	NMOG+NOx	--	0.070	N/A	--	0.084
	CO	--	9.6	N/A	--	--
	PM	0.006	0.006	N/A	0.010	0.010
SC03	NMOG+NOx	--	0.050	N/A	--	--
	CO	--	1.7	N/A	--	--
Cold CO	CO	10.0	10.0	N/A	10.0	10.0
	NMHC	0.3	0.3	N/A	0.3	0.3
50 Deg F	NMOG+NOx	--	0.100	--	--	--
	CO	--	1.7	--	--	--
	HCHO		0.016	--	--	--

These standards above are for Interim Tier 4, which per 40 CFR 86.1811-27 are equivalent Tier 3 standards.

Test Cycle	Constituent	Certification Standard		High Altitude	In-Use Standard	
		Federal	California		Federal	California
2-Day	HC-EQUIV (g/test)	0.300	0.300	0.65	0.300	0.300
3-Day	HC-EQUIV (g/test)	0.300	0.300	0.65	0.300	0.300
Running Loss	HC-EQUIV (g/mi)	0.05	0.05	0.05	0.05	0.05
ORVR	HC-EQUIV (g/gal)	0.20	0.20	0.20	0.20	0.20
BETP	HC-EQUIV (g/test)	0.020	0.020	N/A	N/A	N/A

Section 7-Test Results

7.02>> GHG Compliance Statements / Certification Tests

GHG in-use standards: Please refer to the VW Group's final GHG Report for this Model Year.

Start-Stop: For all models in this test group, the Auto Start-Stop system defaults to ON. Therefore, in-use tests should be conducted in the Default mode, and no weighting of test data is required for demonstrating compliance with in-use GHG standards.

N₂O and CH₄: Please see attestations of GHG fleet averaging in Section 8.02. Porsche has elected to comply with N₂O and CH₄ standards for all test groups of the following model year:

2027

Certification Tests

Exhaust:			
SPRX10088382	FTP		
SPRX10088380	HFET		
SPRX10088379	US06		
SPRX10088377	SC03		
SPRX10088381	Cold CO		
SPRX10088383	50 F		

Evaporative:		(VPRXR0170R92)
SPRX10086811		2-Day Evap
SPRX10086627		3-Day Evap
SPRX10086628		Running Loss
SPRX10086624		ORVR
SPRX10086629		BETP

GHG Compliance:	
SPRX10088386	FTP
SPRX10088408	HFET

Note: blank cells or tables are intentionally blank.

Section 7-Test Results

7.03>> CSI Report, Evap Family VPRXR0170R92

The Certification Summary Information (CSI) report begins on the following page.

Certification Summary Information Report

Manufacturer	Porsche AG	Manufacturer Code	PRX
Test Group	VPRXV04.0S92	Evaporative/Refueling Family	VPRXR0170R92
Certificate Number	--	CARB Executive Order #	--
Certificate Issue Date	--	Certificate Revision Date	--
Certificate Effective Date	--	Conditional Certificate	--
CSI Revision #	--	CSI Submission/Revision Date	04/22/2026 03:11:25 PM
Model Year	2027		

Test Group Information

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

Drive Sources and Fuel(s)

Drive Source #1: Combustion Engine

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

Hybrid Indicator	No		
Multiple Fuel Storage	--	Rechargeable Energy Storage System Indicator	--
Multiple Fuel Combustion	--	Off-board Charge Capable Indicator	--
Fuel Cell Indicator	--	EPA Vehicle Class	LDV
Federal Clean Fuel Vehicle	No	Federal Clean Fuel Vehicle Standard	--
Federal Clean Fuel Vehicle ILEV	--	California Partial Zero Emissions Vehicle Indicator	--
Durability Group Name	VPRXGPGNNS92	Durability Group Equivalency Factor	1.0
Reduced Fee Test Group	No	Certification Region Code(s)	FA, CA
Complies with HD GHG 2b/3 regulations?	No		
Introduction into Commerce Date	--	CAP2000 Conditional Certificate?	N/A
Independent Commercial Importer?	--	Alternative Fuel Converter Certificate?	--
SFTP Federal Composite Compliance Identifier	Tier 3	SFTP Tier 2 Composite CO Option	No
SFTP LEV-III Composite Compliance Indicator	No		
OBD Compliance Type	CARB	OBD Demonstration Vehicle Test Group	VPRXV04.0R92
Test Group OBD Compliance Level	Partial - with deficiencies	Number of Test Group OBD Deficiencies	1
OBD Deficiencies Comments	OBD Approval E-26-070 - 1 deficiency for the SAE J1979-2 implementation.		
Mfr Test Group Comments	--		
Mfr Exhaust / Evap Standards Comments	--		

Certification Summary Information Report

Test Group	VPRXV04.0S92	Evaporative/Refueling Family	VPRXR0170R92
Evaporative/Refueling Family Information			
Evaporative Summary Information Type	New	Submission/Correction Date	03/23/2026 03:37:02 PM
Integrated ORVR?	Yes	Fuel(s)	Gasoline
Multiple Fuel Storage	--		
Bladder Fuel Tank?	No		
Fuel Tank Material	Plastic	Fuel Tank Material Description	HDPE
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)	170	Number of Primary Canisters	1
Number of Bleed Canisters	1	Bleed Canister Total Working Capacity (grams)	170
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
VPRXR0170R92-001	50 State	0.02	--

Certification Summary Information Report

Test Group		VPRXV04.0S92		Evaporative/Refueling Family		VPRXR0170R92	
Models Covered by this Certificate							
Carline Manufacturer	Division	Carline	Certification Region Code(s)	Drive System	Trans - Type	- # of Gears	Trans - Lockup
Porsche AG	1 - Porsche	580 - 911 GT3	Federal	2-Wheel Drive, Rear	Automated Manual-Selectable (e.g. Automated Manual with paddles)	7	No
Porsche AG	1 - Porsche	585 - 911 GT3 Touring	California + CAA Section 177 states	2-Wheel Drive, Rear	Automated Manual-Selectable (e.g. Automated Manual with paddles)	7	No
Porsche AG	1 - Porsche	580 - 911 GT3	California + CAA Section 177 states	2-Wheel Drive, Rear	Manual	6	No
Porsche AG	1 - Porsche	580 - 911 GT3	California + CAA Section 177 states	2-Wheel Drive, Rear	Automated Manual-Selectable (e.g. Automated Manual with paddles)	7	No
Porsche AG	1 - Porsche	585 - 911 GT3 Touring	California + CAA Section 177 states	2-Wheel Drive, Rear	Manual	6	No
Porsche AG	1 - Porsche	587 - 911 GT3 90 F. A. Porsche	California + CAA Section 177 states	2-Wheel Drive, Rear	Manual	6	No
Porsche AG	1 - Porsche	590 - 911 GT3 S/C	Federal	2-Wheel Drive, Rear	Manual	6	No
Porsche AG	1 - Porsche	580 - 911 GT3	Federal	2-Wheel Drive, Rear	Manual	6	No
Porsche AG	1 - Porsche	587 - 911 GT3 90 F. A. Porsche	Federal	2-Wheel Drive, Rear	Manual	6	No
Porsche AG	1 - Porsche	585 - 911 GT3 Touring	Federal	2-Wheel Drive, Rear	Automated Manual-Selectable (e.g. Automated Manual with paddles)	7	No
Porsche AG	1 - Porsche	590 - 911 GT3 S/C	California + CAA Section 177 states	2-Wheel Drive, Rear	Manual	6	No
Porsche AG	1 - Porsche	585 - 911 GT3 Touring	Federal	2-Wheel Drive, Rear	Manual	6	No

Engine Description			
Hybrid Type	--	Hybrid Description	--
Engine Type	4-Stroke Spark Ignition	Mfr Engine Description	--
Engine Block Arrangement	Horizontally Opposed	Mfr Engine Block Arrangement Description	--
Camless Valvetrain Indicator	No	Oil Viscosity/Classification	0W40
Number of Cylinders/Rotors	6	Mechanically Variable Compression Ratio Indicator	N

Engine Description

Hybrid Type

--

Engine Type

4-Stroke Spark Ignition

Engine Block Arrangement

Horizontally Opposed

Camless Valvetrain Indicator

No

Number of Cylinders/Rotors

6

Hybrid Description

--

Mfr Engine Description

--

Mfr Engine Block Arrangement Description

--

Oil Viscosity/Classification

0W40

Mechanically Variable Compression Ratio Indicator

N

Certification Summary Information Report

Test Group	VPRXV04.0S92	Evaporative/Refueling Family	VPRXR0170R92
After Treatment Device(s) (ATD)			
ATD Number	ATD Type	ATD Precious Metal	Substrate Material
1	Three-way catalyst	Palladium + Rhodium	Ceramic
2	Three-way catalyst	Palladium + Rhodium	Ceramic
3	Three-way catalyst	Palladium + Rhodium	Ceramic
4	Three-way catalyst	Palladium + Rhodium	Ceramic
Substrate Construction			
Monolith			
Mfr After Treatment Device (ATD) Comments			
2TWC(2)/MAP/DFI/2WR-HO2S/2HO2S/AIR			
Direct Ozone Reduction (DOR) Device			
Not Equipped			
Mfr Emission Control Device Comments			
--			
Engine Configuration Number 1			
Engine Displacement (liters)	4.0	Engine Rated Horsepower	502
Number of Inlet Valves Per Cylinder	2	Number of Exhaust Valves Per Cylinder	2
Air Aspiration Method	Naturally Aspirated	Number of Air Aspiration Devices	--
Air Aspiration Device Configuration	--	Charge Air Cooler Type	N/A
Air Aspiration Drive Method(s)	Mechanical		
Cylinder Deactivation	No		
Cylinder Deactivation Description	--		
Variable Valve Timing	Yes		
Variable Valve Timing System Description	VarioCam		
Variable Valve Lift?	No		
Variable Valve Lift System Description	VarioCam		
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	Heated oxygen	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	--
EGR Type	--	Exhaust Gas Recirculation Description if 'Other'	--
Closed Loop Air Injection System	--		
Air Injection Type	--	Air Injection Type if 'Other'	--
Mfr Engine Configuration Comments	--		

Certification Summary Information Report

Test Group		VPRXV04.0S92				Evaporative/Refueling Family			VPRXR0170R92		
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		SPRX10088382	SPRX10088379	SPRX10088377	SPRX10088381	SPRX10088380	--	13.9	--	17.2	--
SFTP LEV-III Official Test Numbers											
Test Group Fuel		FTP			US06		SC03				
Gasoline		SPRX10088382			SPRX10088379		SPRX10088377				

Certification Summary Information Report

Test Group	VPRXV04.0S92	Evaporative/Refueling Family	VPRXR0170R92
-------------------	--------------	-------------------------------------	--------------

Emission Data Vehicle Information

Vehicle ID / Configuration	ECFE-992GT3-PDK-25 / 1	Manufacturer Vehicle Configuration Number	0
Original Test Group Name	SPRXV04.0S92	Original Evaporative/Refueling Family	SPR XR0170R92
Original Test Vehicle Model Year	2025		

Vehicle Model

Represented Test Vehicle Make	Porsche	Represented Test Vehicle Model	911 GT3
--------------------------------------	---------	---------------------------------------	---------

Leak Family Details

Leak Family Identifier	--	Leak Family Name	--
-------------------------------	----	-------------------------	----

Drive Sources and Fuel System Details

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

Hybrid Indicator	No		
Multiple Fuel Storage	--	Multiple Fuel Combustion	--
Fuel Cell Indicator	--	Rechargeable Energy Storage System Indicator	--
Rechargeable Energy Storage System	--	Rechargeable Energy Storage System, if 'Other'	--
Off-board charge Capable Indicator	--		
Odometer Correction -- Initial	0	Odometer Correction Factor	0.973
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles		
Odometer Correction Units	Miles		
Engine Code	DZP	Rated Horsepower	502
Displacement (liters)	4		
Air Aspiration Method	Naturally Aspirated	Air Aspiration Method, if 'Other'	
Number of Air Aspiration Devices	--	Air Aspiration Device Configuration	--
Charge Air Cooler Type	--	Drive Mode While Testing	2-Wheel Drive, Rear
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)
Curb Weight (lbs)	3369	Equivalent Test Weight (pounds)	3750
GVWR (lbs)	3929	N/V Ratio	38.1
Axle Ratio	3.27		
Transmission Type	Automated Manual- Selectable (e.g. Automated Manual with paddles)	# of Transmission Gears	7
Transmission Lockup	No	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	36.37	0.4146	0.02006	-11	0.0591	0.02091	14.3

Certification Summary Information Report

Test Group	VPRXV04.0S92	Evaporative/Refueling Family	VPRXR0170R92
Emission Control Device Comments	--		
Manufacturer Test Vehicle Comments	FEDV1 - 911 GT3 PDK; INTERNAL VEHICLE ID: SEP031		

Certification Summary Information Report

Test Group	VPRXV04.0S92	Evaporative/Refueling Family	VPRXR0170R92
Test #	SPRX10088386	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	10/22/2024	Fuel	Gasoline
Fuel Batch ID	W24	Fuel Calibration Number	1558
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	Porsche AG, Labs and Engineering		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4158	Odometer Units	M
4WD Test Dyno	Yes	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)	561.1597	--
FE BAG 1 (Bag 1 Fuel Economy)	15.8437	15.8437
CO2 BAG 2 (Bag 2 Carbon Dioxide)	508.7756	--
FE BAG 2 (Bag 2 Fuel Economy)	17.5154	17.5154
CO2 BAG 3 (Bag 3 Carbon Dioxide)	458.0021	--
FE BAG 3 (Bag 3 Fuel Economy)	19.4559	19.4559
METHANE (CH4 - Methane)	0.0028282	--
CO (Carbon Monoxide)	0.1419828	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	2.0858	--
DT-EER (Drive Trace Energy Economy Rating)	0.4663	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	1.7605	--
MFR FE (Manufacturer Fuel Economy)	17.6141	17.6141
NOX (Nitrogen Oxide)	0.0108093	--
HC-NM (Non-methane Hydrocarbon)	0.0194557	--
NMOG (Non-methane organic gases)	0.0200433	--
HC-TOTAL (Total Hydrocarbon)	0.0220253	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	505.9414	506

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	505.6485	--

Certification Summary Information Report

Test Group		VPRXV04.0S92				Evaporative/Refueling Family				VPRXR0170R92		
Manufacturer Test Comments		FTP75 FE FEDV1 Test No. 24040229										
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 70	METHANE	0.0028	--	--	--	0.0028	--	0.006	.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	CO	0.14	--	--	--	0.07	--	0.2	1.7	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	CREE	506	--	--	--	0.00	--	506	--	--
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG	0.0200	--	1.10	--	0.0041	--	0.024	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG+NOX	0.0308	--	1.10	--	--	--	0.036	.070	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NOX	0.0108	--	--	--	0.0012	--	0.012	999.999	Pass
CA	120,000 miles	California LEV-IV ULEV70	METHANE	0.0028	--	--	--	0.0028	--	0.006	.030	Pass
CA	150,000 miles	California LEV-IV ULEV70	CO	0.14	--	--	--	0.07	--	0.2	1.7	Pass
CA	150,000 miles	California LEV-IV ULEV70	NMOG	0.0200	--	1.10	--	0.0041	--	0.024	999.999	Pass
CA	150,000 miles	California LEV-IV ULEV70	NMOG+NOX	0.0308	--	1.10	--	--	--	0.036	.070	Pass
CA	150,000 miles	California LEV-IV ULEV70	NOX	0.0108	--	--	--	0.0012	--	0.012	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	VPRXV04.0S92	Evaporative/Refueling Family	VPRXR0170R92
Test #	SPRX10088408	Test Procedure	3 - HWFE
Exhaust Test # for this Evap Test	--	Test Fuel Type	61 - Tier 2 Cert Gasoline
Test Date	10/22/2024	Fuel	Gasoline
Fuel Batch ID	W24	Fuel Calibration Number	1558
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	Porsche AG, Labs and Engineering		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4169	Odometer Units	M
4WD Test Dyno	Yes	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)	0.0015171	--
CO (Carbon Monoxide)	0.0477539	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	2.3166	--
DT-EER (Drive Trace Energy Economy Rating)	0.0963	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	2.8375	--
MFR FE (Manufacturer Fuel Economy)	24.0223	24.0223
NOX (Nitrogen Oxide)	0.0014798	--
HC-NM (Non-methane Hydrocarbon)	0.0016663	--
NMOG (Non-methane organic gases)	0.0017163	--
HC-TOTAL (Total Hydrocarbon)	0.0031242	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	370.9756	371

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	370.8907	--

Manufacturer Test Comments

HWY FE FEDV1 Test No. 24040230

Certification Summary Information Report

Test Group		VPRXV04.0S92			Evaporative/Refueling Family					VPRXR0170R92		
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 70	CREE	371	--	--	--	0.00	--	371	--	--
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG	0.0017	--	--	--	0.0041	--	0.006	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG+NOX	0.0032	--	--	--	--	--	0.008	.070	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NOX	0.0015	--	--	--	0.0012	--	0.003	999.999	Pass
CA	150,000 miles	California LEV-IV ULEV70	NMOG	0.0017	--	--	--	0.0041	--	0.006	999.999	Pass
CA	150,000 miles	California LEV-IV ULEV70	NMOG+NOX	0.0032	--	--	--	--	--	0.008	.070	Pass
CA	150,000 miles	California LEV-IV ULEV70	NOX	0.0015	--	--	--	0.0012	--	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	VPRXV04.0S92	Evaporative/Refueling Family	VPRXR0170R92					
Emission Data Vehicle Information								
Vehicle ID / Configuration	ECFE-992GT3-PDK-25 / 2	Manufacturer Vehicle Configuration Number	0					
Original Test Group Name	SPRXV04.0S92	Original Evaporative/Refueling Family	SPR XR0170R92					
Original Test Vehicle Model Year	2025							
Vehicle Model								
Represented Test Vehicle Make	Porsche	Represented Test Vehicle Model	911 GT3					
Leak Family Details								
Leak Family Identifier	--	Leak Family Name	--					
Drive Sources and Fuel System Details								
	<table border="1"> <thead> <tr> <th>Drive Source and Fuel#</th> <th>Drive Source</th> <th>Fuel</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Combustion Engine</td> <td>Gasoline</td> </tr> </tbody> </table>	Drive Source and Fuel#	Drive Source	Fuel	1	Combustion Engine	Gasoline	
Drive Source and Fuel#	Drive Source	Fuel						
1	Combustion Engine	Gasoline						
Hybrid Indicator	No							
Multiple Fuel Storage	--	Multiple Fuel Combustion	--					
Fuel Cell Indicator	--	Rechargeable Energy Storage System Indicator	--					
Rechargeable Energy Storage System	--	Rechargeable Energy Storage System, if 'Other'	--					
Off-board charge Capable Indicator	--							
Odometer Correction -- Initial	0	Odometer Correction Factor	0.973					
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles							
Odometer Correction Units	Miles							
Engine Code	DZP	Rated Horsepower	502					
Displacement (liters)	4							
Air Aspiration Method	Naturally Aspirated	Air Aspiration Method, if 'Other'						
Number of Air Aspiration Devices	--	Air Aspiration Device Configuration	--					
Charge Air Cooler Type	--	Drive Mode While Testing	2-Wheel Drive, Rear					
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)					
Curb Weight (lbs)	3369	Equivalent Test Weight (pounds)	3750					
GVWR (lbs)	3929	N/V Ratio	38.1					
Axle Ratio	3.27							
Transmission Type	Automated Manual- Selectable (e.g. Automated Manual with paddles)	# of Transmission Gears	7					
Transmission Lockup	No	Creep Gear	No					

Certification Summary Information Report

Test Group		VPRXV04.0S92			Evaporative/Refueling Family		VPRXR0170R92	
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	36.37	0.4146	0.02006	-16.53	0.014	0.02126	14.3	
Cold CO	40.02	0.4562	0.02207	-21.41	-0.1349	0.02405	N/A	
US06	36.37	0.4146	0.02006	-16.53	0.014	0.02126	N/A	
Emission Control Device Comments		--						
Manufacturer Test Vehicle Comments		EXHAUST EDV - 911 GT3 PDK; INTERNAL VEHICLE ID: SEP031						

Certification Summary Information Report

Test Group	VPRXV04.0S92	Evaporative/Refueling Family	VPRXR0170R92
Test #	SPRX10088381	Test Procedure	11 - Cold CO
Exhaust Test # for this Evap Test	--	Test Fuel Type	29 - Cold CO E10 Premium Gasoline (Tier 3)
Test Date	10/18/2024	Fuel	Gasoline
Fuel Batch ID	22W	Fuel Calibration Number	2776
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	Porsche AG, Labs and Engineering		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4108	Odometer Units	M
4WD Test Dyno	Yes	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)
CO BAG 1 (Bag 1 Carbon Monoxide)	1.165628	--
CH4 BAG 1 (Bag 1 Methane)	0.034082	--
NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.4756897	--
CO BAG 2 (Bag 2 Carbon Monoxide)	0.0204585	--
CH4 BAG 2 (Bag 2 Methane)	0	--
NMOG BAG 2 (Bag 2 Non-methane organic gases)	0	--
CO BAG 3 (Bag 3 Carbon Monoxide)	0.0419342	--
CH4 BAG 3 (Bag 3 Methane)	0.002777	--
NMOG BAG 3 (Bag 3 Non-methane organic gases)	0	--
METHANE (CH4 - Methane)	0.0078284	--
CO (Carbon Monoxide)	0.2637964	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.8912	--
DT-EER (Drive Trace Energy Economy Rating)	-0.0887	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.9961	--
MFR FE (Manufacturer Fuel Economy)	15.5009	15.5009
NOX (Nitrogen Oxide)	0.0102048	--
HC-NM (Non-methane Hydrocarbon)	0.0895021	--
NMOG (Non-methane organic gases)	0.0984327	--
HC-TOTAL (Total Hydrocarbon)	0.0970157	--

Certification Summary Information Report

Test Group		VPRXV04.0S92				Evaporative/Refueling Family				VPRXR0170R92		
		Test Result Name		Unrounded Test Result			Verify Calculated CO2					
		Carbon dioxide		552.4818			--					
Manufacturer Test Comments		COLD CO EXHAUST EC Test No. 24040361										
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 70	CO	0.26	--	--	--	0.07	--	0.3	10.0	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	HC-NM	0.09	--	--	--	0.00	--	0.1	0.3	Pass
CA	50,000 miles	California LEV-IV ULEV70	CO	0.26	--	--	--	0.07	--	0.3	10.0	Pass
CA	150,000 miles	California LEV-IV ULEV70	HC-NM	0.09	--	--	--	0.00	--	0.1	0.3	Pass

Certification Summary Information Report

Test Group	VPRXV04.0S92	Evaporative/Refueling Family	VPRXR0170R92
Test #	SPRX10088382	Test Procedure	21 - Federal fuel 2-day exhaust (w/can load)
Exhaust Test # for this Evap Test	--	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)
Test Date	10/25/2024	Fuel	Gasoline
Fuel Batch ID	23W	Fuel Calibration Number	2518
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	Porsche AG, Labs and Engineering		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4269	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
Test Results			

Certification Summary Information Report

Test Group	VPRXV04.0S92	Evaporative/Refueling Family	VPRXR0170R92																																																																																				
	<table><tr><th>Test Result Name</th><th>Unrounded Test Result</th><th>Verify Calculated FE Equivalent Value (miles per gallon)</th></tr><tr><td>CO2 BAG 1 (Bag 1 Carbon Dioxide)</td><td>539.613</td><td>--</td></tr><tr><td>CO BAG 1 (Bag 1 Carbon Monoxide)</td><td>412.3711</td><td>--</td></tr><tr><td>FE BAG 1 (Bag 1 Fuel Economy)</td><td>15.9496</td><td>15.9496</td></tr><tr><td>CH4 BAG 1 (Bag 1 Methane)</td><td>0.0098005</td><td>--</td></tr><tr><td>NMOG BAG 1 (Bag 1 Non-methane organic gases)</td><td>0.0798006</td><td>--</td></tr><tr><td>CO2 BAG 2 (Bag 2 Carbon Dioxide)</td><td>498.2858</td><td>--</td></tr><tr><td>CO BAG 2 (Bag 2 Carbon Monoxide)</td><td>0</td><td>--</td></tr><tr><td>FE BAG 2 (Bag 2 Fuel Economy)</td><td>17.3011</td><td>17.3011</td></tr><tr><td>CH4 BAG 2 (Bag 2 Methane)</td><td>0</td><td>--</td></tr><tr><td>NMOG BAG 2 (Bag 2 Non-methane organic gases)</td><td>0.0002623</td><td>--</td></tr><tr><td>CO2 BAG 3 (Bag 3 Carbon Dioxide)</td><td>428.7202</td><td>--</td></tr><tr><td>CO BAG 3 (Bag 3 Carbon Monoxide)</td><td>32.1792</td><td>--</td></tr><tr><td>FE BAG 3 (Bag 3 Fuel Economy)</td><td>20.1056</td><td>20.1056</td></tr><tr><td>CH4 BAG 3 (Bag 3 Methane)</td><td>0.0026943</td><td>--</td></tr><tr><td>NMOG BAG 3 (Bag 3 Non-methane organic gases)</td><td>0.0006997</td><td>--</td></tr><tr><td>METHANE (CH4 - Methane)</td><td>0.0027725</td><td>--</td></tr><tr><td>CO (Carbon Monoxide)</td><td>0.0943366</td><td>--</td></tr><tr><td>DT-ASCR (Drive Trace Absolute Speed Change Rating)</td><td>-1.3329</td><td>--</td></tr><tr><td>DT-EER (Drive Trace Energy Economy Rating)</td><td>-0.7723</td><td>--</td></tr><tr><td>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</td><td>-1.8101</td><td>--</td></tr><tr><td>MFR FE (Manufacturer Fuel Economy)</td><td>17.6683</td><td>17.6683</td></tr><tr><td>NOX (Nitrogen Oxide)</td><td>0.0101293</td><td>--</td></tr><tr><td>N2O (Nitrous Oxide)</td><td>0</td><td>--</td></tr><tr><td>HC-NM (Non-methane Hydrocarbon)</td><td>0.0153054</td><td>--</td></tr><tr><td>NMOG (Non-methane organic gases)</td><td>0.0168435</td><td>--</td></tr><tr><td>PM (Particulate Matter)</td><td>0</td><td>--</td></tr><tr><td>HC-TOTAL (Total Hydrocarbon)</td><td>0.0178655</td><td>--</td></tr></table>	Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	CO2 BAG 1 (Bag 1 Carbon Dioxide)	539.613	--	CO BAG 1 (Bag 1 Carbon Monoxide)	412.3711	--	FE BAG 1 (Bag 1 Fuel Economy)	15.9496	15.9496	CH4 BAG 1 (Bag 1 Methane)	0.0098005	--	NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0798006	--	CO2 BAG 2 (Bag 2 Carbon Dioxide)	498.2858	--	CO BAG 2 (Bag 2 Carbon Monoxide)	0	--	FE BAG 2 (Bag 2 Fuel Economy)	17.3011	17.3011	CH4 BAG 2 (Bag 2 Methane)	0	--	NMOG BAG 2 (Bag 2 Non-methane organic gases)	0.0002623	--	CO2 BAG 3 (Bag 3 Carbon Dioxide)	428.7202	--	CO BAG 3 (Bag 3 Carbon Monoxide)	32.1792	--	FE BAG 3 (Bag 3 Fuel Economy)	20.1056	20.1056	CH4 BAG 3 (Bag 3 Methane)	0.0026943	--	NMOG BAG 3 (Bag 3 Non-methane organic gases)	0.0006997	--	METHANE (CH4 - Methane)	0.0027725	--	CO (Carbon Monoxide)	0.0943366	--	DT-ASCR (Drive Trace Absolute Speed Change Rating)	-1.3329	--	DT-EER (Drive Trace Energy Economy Rating)	-0.7723	--	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-1.8101	--	MFR FE (Manufacturer Fuel Economy)	17.6683	17.6683	NOX (Nitrogen Oxide)	0.0101293	--	N2O (Nitrous Oxide)	0	--	HC-NM (Non-methane Hydrocarbon)	0.0153054	--	NMOG (Non-methane organic gases)	0.0168435	--	PM (Particulate Matter)	0	--	HC-TOTAL (Total Hydrocarbon)	0.0178655	--		
	Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)																																																																																				
	CO2 BAG 1 (Bag 1 Carbon Dioxide)	539.613	--																																																																																				
	CO BAG 1 (Bag 1 Carbon Monoxide)	412.3711	--																																																																																				
	FE BAG 1 (Bag 1 Fuel Economy)	15.9496	15.9496																																																																																				
	CH4 BAG 1 (Bag 1 Methane)	0.0098005	--																																																																																				
	NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0798006	--																																																																																				
	CO2 BAG 2 (Bag 2 Carbon Dioxide)	498.2858	--																																																																																				
	CO BAG 2 (Bag 2 Carbon Monoxide)	0	--																																																																																				
	FE BAG 2 (Bag 2 Fuel Economy)	17.3011	17.3011																																																																																				
	CH4 BAG 2 (Bag 2 Methane)	0	--																																																																																				
	NMOG BAG 2 (Bag 2 Non-methane organic gases)	0.0002623	--																																																																																				
	CO2 BAG 3 (Bag 3 Carbon Dioxide)	428.7202	--																																																																																				
	CO BAG 3 (Bag 3 Carbon Monoxide)	32.1792	--																																																																																				
	FE BAG 3 (Bag 3 Fuel Economy)	20.1056	20.1056																																																																																				
	CH4 BAG 3 (Bag 3 Methane)	0.0026943	--																																																																																				
	NMOG BAG 3 (Bag 3 Non-methane organic gases)	0.0006997	--																																																																																				
	METHANE (CH4 - Methane)	0.0027725	--																																																																																				
	CO (Carbon Monoxide)	0.0943366	--																																																																																				
	DT-ASCR (Drive Trace Absolute Speed Change Rating)	-1.3329	--																																																																																				
	DT-EER (Drive Trace Energy Economy Rating)	-0.7723	--																																																																																				
	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-1.8101	--																																																																																				
	MFR FE (Manufacturer Fuel Economy)	17.6683	17.6683																																																																																				
	NOX (Nitrogen Oxide)	0.0101293	--																																																																																				
	N2O (Nitrous Oxide)	0	--																																																																																				
	HC-NM (Non-methane Hydrocarbon)	0.0153054	--																																																																																				
	NMOG (Non-methane organic gases)	0.0168435	--																																																																																				
	PM (Particulate Matter)	0	--																																																																																				
	HC-TOTAL (Total Hydrocarbon)	0.0178655	--																																																																																				
		<table><tr><th>Test Result Name</th><th>Unrounded Test Result</th><th>Verify Calculated CREE/OPT-CREE</th></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>487.9307</td><td>488</td></tr></table>	Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE	Carbon-Related Exhaust Emissions	487.9307	488																																																																															
	Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE																																																																																				
	Carbon-Related Exhaust Emissions	487.9307	488																																																																																				
		<table><tr><th>Test Result Name</th><th>Unrounded Test Result</th><th>Verify Calculated CO2</th></tr><tr><td>Carbon dioxide</td><td>487.7285</td><td>--</td></tr></table>	Test Result Name	Unrounded Test Result	Verify Calculated CO2	Carbon dioxide	487.7285	--																																																																															
Test Result Name	Unrounded Test Result	Verify Calculated CO2																																																																																					
Carbon dioxide	487.7285	--																																																																																					
Manufacturer Test Comments	FTP75 EXHAUST EC Test No. 24040340																																																																																						

Certification Summary Information Report

Test Group		VPRXV04.0S92			Evaporative/Refueling Family					VPRXR0170R92		
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 70	METHANE	0.0028	--	--	--	0.0028	--	0.006	.030	Pass
Fed	120,000 miles	Federal Tier 3 Bin 70	N2O	0.0000	--	--	--	0.0000	--	0.000	.010	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	CO	0.09	--	--	--	0.07	--	0.2	1.7	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	CO-COMP	0.12	--	--	--	0.07	--	0.1	4.2	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	CREE	488	--	--	--	0.00	--	488	--	--
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG	0.0168	--	1.10	--	0.0041	--	0.021	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG+NOX	0.0269	--	1.10	--	--	--	0.032	.070	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG+NOX-COMP	0.0202	--	--	--	0.0053	--	0.020	.080	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NOX	0.0101	--	--	--	0.0012	--	0.011	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	PM	0.0000	--	--	--	0.0003	--	0.000	.003	Pass
CA	120,000 miles	California LEV-IV ULEV70	METHANE	0.0028	--	--	--	0.0028	--	0.006	.030	Pass
CA	120,000 miles	California LEV-IV ULEV70	N2O	0.0000	--	--	--	0.0000	--	0.000	.010	Pass
CA	150,000 miles	California LEV-IV ULEV70	CO	0.09	--	--	--	0.07	--	0.2	1.7	Pass
CA	150,000 miles	California LEV-IV ULEV70	NMOG	0.0168	--	1.10	--	0.0041	--	0.021	999.999	Pass
CA	150,000 miles	California LEV-IV ULEV70	NMOG+NOX	0.0269	--	1.10	--	--	--	0.032	.070	Pass
CA	150,000 miles	California LEV-IV ULEV70	NOX	0.0101	--	--	--	0.0012	--	0.011	999.999	Pass
CA	150,000 miles	California LEV-IV ULEV70	PM	0.0000	--	--	--	0.0003	--	0.000	.003	Pass

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

Certification Summary Information Report

Test Group	VPRXV04.0S92	Evaporative/Refueling Family	VPRXR0170R92
Test #	SPRX10088383	Test Procedure	52 - Fed. fuel 50 F exh.
Exhaust Test # for this Evap Test	--	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)
Test Date	10/15/2024	Fuel	Gasoline
Fuel Batch ID	23W	Fuel Calibration Number	2518
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	Porsche AG, Labs and Engineering		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4044	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
Test Results			

Certification Summary Information Report

Test Group	VPRXV04.0S92	Evaporative/Refueling Family	VPRXR0170R92																																																																														
	<table><tr><th>Test Result Name</th><th>Unrounded Test Result</th><th>Verify Calculated FE Equivalent Value (miles per gallon)</th></tr><tr><td>CO2 BAG 1 (Bag 1 Carbon Dioxide)</td><td>564.8381</td><td>--</td></tr><tr><td>CO BAG 1 (Bag 1 Carbon Monoxide)</td><td>0.7314754</td><td>--</td></tr><tr><td>FE BAG 1 (Bag 1 Fuel Economy)</td><td>15.2198</td><td>15.2198</td></tr><tr><td>CH4 BAG 1 (Bag 1 Methane)</td><td>0.0141235</td><td>--</td></tr><tr><td>NMOG BAG 1 (Bag 1 Non-methane organic gases)</td><td>0.1444142</td><td>--</td></tr><tr><td>CO2 BAG 2 (Bag 2 Carbon Dioxide)</td><td>513.5038</td><td>--</td></tr><tr><td>CO BAG 2 (Bag 2 Carbon Monoxide)</td><td>0.0184713</td><td>--</td></tr><tr><td>FE BAG 2 (Bag 2 Fuel Economy)</td><td>16.7874</td><td>16.7874</td></tr><tr><td>CH4 BAG 2 (Bag 2 Methane)</td><td>0.0000936</td><td>--</td></tr><tr><td>NMOG BAG 2 (Bag 2 Non-methane organic gases)</td><td>0</td><td>--</td></tr><tr><td>CO2 BAG 3 (Bag 3 Carbon Dioxide)</td><td>438.4431</td><td>--</td></tr><tr><td>CO BAG 3 (Bag 3 Carbon Monoxide)</td><td>0.0496458</td><td>--</td></tr><tr><td>FE BAG 3 (Bag 3 Fuel Economy)</td><td>19.6585</td><td>19.6585</td></tr><tr><td>CH4 BAG 3 (Bag 3 Methane)</td><td>0.0036426</td><td>--</td></tr><tr><td>NMOG BAG 3 (Bag 3 Non-methane organic gases)</td><td>0.0002538</td><td>--</td></tr><tr><td>METHANE (CH4 - Methane)</td><td>0.0039844</td><td>--</td></tr><tr><td>CO (Carbon Monoxide)</td><td>0.1751544</td><td>--</td></tr><tr><td>DT-ASCR (Drive Trace Absolute Speed Change Rating)</td><td>-1.1854</td><td>--</td></tr><tr><td>DT-EER (Drive Trace Energy Economy Rating)</td><td>-0.5081</td><td>--</td></tr><tr><td>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</td><td>-1.6015</td><td>--</td></tr><tr><td>MFR FE (Manufacturer Fuel Economy)</td><td>17.1089</td><td>17.1089</td></tr><tr><td>NOX (Nitrogen Oxide)</td><td>0.0111404</td><td>--</td></tr><tr><td>HC-NM (Non-methane Hydrocarbon)</td><td>0.0272676</td><td>--</td></tr><tr><td>NMOG (Non-methane organic gases)</td><td>0.0300077</td><td>--</td></tr><tr><td>HC-TOTAL (Total Hydrocarbon)</td><td>0.0310508</td><td>--</td></tr></table>	Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	CO2 BAG 1 (Bag 1 Carbon Dioxide)	564.8381	--	CO BAG 1 (Bag 1 Carbon Monoxide)	0.7314754	--	FE BAG 1 (Bag 1 Fuel Economy)	15.2198	15.2198	CH4 BAG 1 (Bag 1 Methane)	0.0141235	--	NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.1444142	--	CO2 BAG 2 (Bag 2 Carbon Dioxide)	513.5038	--	CO BAG 2 (Bag 2 Carbon Monoxide)	0.0184713	--	FE BAG 2 (Bag 2 Fuel Economy)	16.7874	16.7874	CH4 BAG 2 (Bag 2 Methane)	0.0000936	--	NMOG BAG 2 (Bag 2 Non-methane organic gases)	0	--	CO2 BAG 3 (Bag 3 Carbon Dioxide)	438.4431	--	CO BAG 3 (Bag 3 Carbon Monoxide)	0.0496458	--	FE BAG 3 (Bag 3 Fuel Economy)	19.6585	19.6585	CH4 BAG 3 (Bag 3 Methane)	0.0036426	--	NMOG BAG 3 (Bag 3 Non-methane organic gases)	0.0002538	--	METHANE (CH4 - Methane)	0.0039844	--	CO (Carbon Monoxide)	0.1751544	--	DT-ASCR (Drive Trace Absolute Speed Change Rating)	-1.1854	--	DT-EER (Drive Trace Energy Economy Rating)	-0.5081	--	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-1.6015	--	MFR FE (Manufacturer Fuel Economy)	17.1089	17.1089	NOX (Nitrogen Oxide)	0.0111404	--	HC-NM (Non-methane Hydrocarbon)	0.0272676	--	NMOG (Non-methane organic gases)	0.0300077	--	HC-TOTAL (Total Hydrocarbon)	0.0310508	--		
	Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)																																																																														
	CO2 BAG 1 (Bag 1 Carbon Dioxide)	564.8381	--																																																																														
	CO BAG 1 (Bag 1 Carbon Monoxide)	0.7314754	--																																																																														
	FE BAG 1 (Bag 1 Fuel Economy)	15.2198	15.2198																																																																														
	CH4 BAG 1 (Bag 1 Methane)	0.0141235	--																																																																														
	NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.1444142	--																																																																														
	CO2 BAG 2 (Bag 2 Carbon Dioxide)	513.5038	--																																																																														
	CO BAG 2 (Bag 2 Carbon Monoxide)	0.0184713	--																																																																														
	FE BAG 2 (Bag 2 Fuel Economy)	16.7874	16.7874																																																																														
	CH4 BAG 2 (Bag 2 Methane)	0.0000936	--																																																																														
	NMOG BAG 2 (Bag 2 Non-methane organic gases)	0	--																																																																														
	CO2 BAG 3 (Bag 3 Carbon Dioxide)	438.4431	--																																																																														
	CO BAG 3 (Bag 3 Carbon Monoxide)	0.0496458	--																																																																														
	FE BAG 3 (Bag 3 Fuel Economy)	19.6585	19.6585																																																																														
	CH4 BAG 3 (Bag 3 Methane)	0.0036426	--																																																																														
	NMOG BAG 3 (Bag 3 Non-methane organic gases)	0.0002538	--																																																																														
	METHANE (CH4 - Methane)	0.0039844	--																																																																														
	CO (Carbon Monoxide)	0.1751544	--																																																																														
	DT-ASCR (Drive Trace Absolute Speed Change Rating)	-1.1854	--																																																																														
	DT-EER (Drive Trace Energy Economy Rating)	-0.5081	--																																																																														
	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-1.6015	--																																																																														
	MFR FE (Manufacturer Fuel Economy)	17.1089	17.1089																																																																														
	NOX (Nitrogen Oxide)	0.0111404	--																																																																														
	HC-NM (Non-methane Hydrocarbon)	0.0272676	--																																																																														
	NMOG (Non-methane organic gases)	0.0300077	--																																																																														
	HC-TOTAL (Total Hydrocarbon)	0.0310508	--																																																																														
		<table><tr><th>Test Result Name</th><th>Unrounded Test Result</th><th>Verify Calculated CO2</th></tr><tr><td>Carbon dioxide</td><td>503.5127</td><td>--</td></tr></table>	Test Result Name	Unrounded Test Result	Verify Calculated CO2	Carbon dioxide	503.5127	--																																																																									
Test Result Name	Unrounded Test Result	Verify Calculated CO2																																																																															
Carbon dioxide	503.5127	--																																																																															
Manufacturer Test Comments	50F EXHAUST EC Test No. 24040369																																																																																

Certification Summary Information Report

Test Group		VPRXV04.0S92				Evaporative/Refueling Family				VPRXR0170R92		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
CA	4,000 miles	California LEV-IV ULEV70	CO	0.18	--	--	--	0.07	--	0.2	1.7	Pass
CA	4,000 miles	California LEV-IV ULEV70	NMOG	0.0300	--	1.10	--	0.0041	--	0.034	99.999	Pass
CA	4,000 miles	California LEV-IV ULEV70	NMOG+NOX	0.0411	--	1.10	--	--	--	0.046	0.140	Pass
CA	4,000 miles	California LEV-IV ULEV70	NOX	0.0111	--	--	--	0.0012	--	0.012	99.999	Pass

Certification Summary Information Report

Test Group	VPRXV04.0S92	Evaporative/Refueling Family	VPRXR0170R92
Test #	SPRX10088380	Test Procedure	3 - HWFE
Exhaust Test # for this Evap Test	--	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)
Test Date	10/25/2024	Fuel	Gasoline
Fuel Batch ID	23W	Fuel Calibration Number	2518
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	Porsche AG, Labs and Engineering		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4280	Odometer Units	M
4WD Test Dyno	Yes	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)
CO BAG 1 (Bag 1 Carbon Monoxide)	0.0277022	--
CH4 BAG 1 (Bag 1 Methane)	0.0010458	--
NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0008143	--
METHANE (CH4 - Methane)	0.0010458	--
CO (Carbon Monoxide)	0.0277022	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-1.6476	--
DT-EER (Drive Trace Energy Economy Rating)	0.0265	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-1.9948	--
MFR FE (Manufacturer Fuel Economy)	24.6965	24.6965
NOX (Nitrogen Oxide)	0.0011779	--
HC-NM (Non-methane Hydrocarbon)	0.0007906	--
NMOG (Non-methane organic gases)	0.0008143	--
HC-TOTAL (Total Hydrocarbon)	0.0018019	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	349.0731	349

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	349.0241	--

Manufacturer Test Comments

HWY EXHAUST EC Test No. 24040341

Certification Summary Information Report

Test Group		VPRXV04.0S92			Evaporative/Refueling Family					VPRXR0170R92		
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 70	CREE	349	--	--	--	0.00	--	349	--	--
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG	0.0008	--	--	--	0.0041	--	0.005	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG+NOX	0.0020	--	--	--	--	--	0.007	.070	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NOX	0.0012	--	--	--	0.0012	--	0.002	999.999	Pass
CA	150,000 miles	California LEV-IV ULEV70	NMOG	0.0008	--	--	--	0.0041	--	0.005	999.999	Pass
CA	150,000 miles	California LEV-IV ULEV70	NMOG+NOX	0.0020	--	--	--	--	--	0.007	.070	Pass
CA	150,000 miles	California LEV-IV ULEV70	NOX	0.0012	--	--	--	0.0012	--	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	VPRXV04.0S92	Evaporative/Refueling Family	VPRXR0170R92
Test #	SPRX10088379	Test Procedure	90 - US06
Exhaust Test # for this Evap Test	--	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)
Test Date	10/25/2024	Fuel	Gasoline
Fuel Batch ID	23W	Fuel Calibration Number	2518
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	Porsche AG, Labs and Engineering		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4302	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
Test Results			

Certification Summary Information Report

Test Group	VPRXV04.0S92	Evaporative/Refueling Family	VPRXR0170R92																																																																					
	<table><tr><th>Test Result Name</th><th>Unrounded Test Result</th><th>Verify Calculated FE Equivalent Value (miles per gallon)</th></tr><tr><td>CO2 BAG 1 (Bag 1 Carbon Dioxide)</td><td>590.3239</td><td>--</td></tr><tr><td>CO BAG 1 (Bag 1 Carbon Monoxide)</td><td>0.0081928</td><td>--</td></tr><tr><td>FE BAG 1 (Bag 1 Fuel Economy)</td><td>14.603</td><td>14.603</td></tr><tr><td>CH4 BAG 1 (Bag 1 Methane)</td><td>0.0022825</td><td>--</td></tr><tr><td>NMOG BAG 1 (Bag 1 Non-methane organic gases)</td><td>0.0026878</td><td>--</td></tr><tr><td>CO2 BAG 2 (Bag 2 Carbon Dioxide)</td><td>403.0156</td><td>--</td></tr><tr><td>CO BAG 2 (Bag 2 Carbon Monoxide)</td><td>0.0107998</td><td>--</td></tr><tr><td>FE BAG 2 (Bag 2 Fuel Economy)</td><td>21.3896</td><td>21.3896</td></tr><tr><td>CH4 BAG 2 (Bag 2 Methane)</td><td>0.0011601</td><td>--</td></tr><tr><td>NMOG BAG 2 (Bag 2 Non-methane organic gases)</td><td>0.0017831</td><td>--</td></tr><tr><td>METHANE (CH4 - Methane)</td><td>0.0014092</td><td>--</td></tr><tr><td>CO (Carbon Monoxide)</td><td>0.0102212</td><td>--</td></tr><tr><td>DT-ASCR (Drive Trace Absolute Speed Change Rating)</td><td>-2.7987</td><td>--</td></tr><tr><td>DT-EER (Drive Trace Energy Economy Rating)</td><td>-1.1046</td><td>--</td></tr><tr><td>DT-IWRR (Drive Trace Inertia Work Ratio Rating)</td><td>-5.593</td><td>--</td></tr><tr><td>MFR FE (Manufacturer Fuel Economy)</td><td>19.3897</td><td>19.3897</td></tr><tr><td>NOX (Nitrogen Oxide)</td><td>0.0074282</td><td>--</td></tr><tr><td>N2O (Nitrous Oxide)</td><td>0</td><td>--</td></tr><tr><td>HC-NM (Non-methane Hydrocarbon)</td><td>0.0019261</td><td>--</td></tr><tr><td>NMOG (Non-methane organic gases)</td><td>0.0019839</td><td>--</td></tr><tr><td>PM (Particulate Matter)</td><td>0.0011157</td><td>--</td></tr><tr><td>HC-TOTAL (Total Hydrocarbon)</td><td>0.0032888</td><td>--</td></tr></table>	Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	CO2 BAG 1 (Bag 1 Carbon Dioxide)	590.3239	--	CO BAG 1 (Bag 1 Carbon Monoxide)	0.0081928	--	FE BAG 1 (Bag 1 Fuel Economy)	14.603	14.603	CH4 BAG 1 (Bag 1 Methane)	0.0022825	--	NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0026878	--	CO2 BAG 2 (Bag 2 Carbon Dioxide)	403.0156	--	CO BAG 2 (Bag 2 Carbon Monoxide)	0.0107998	--	FE BAG 2 (Bag 2 Fuel Economy)	21.3896	21.3896	CH4 BAG 2 (Bag 2 Methane)	0.0011601	--	NMOG BAG 2 (Bag 2 Non-methane organic gases)	0.0017831	--	METHANE (CH4 - Methane)	0.0014092	--	CO (Carbon Monoxide)	0.0102212	--	DT-ASCR (Drive Trace Absolute Speed Change Rating)	-2.7987	--	DT-EER (Drive Trace Energy Economy Rating)	-1.1046	--	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-5.593	--	MFR FE (Manufacturer Fuel Economy)	19.3897	19.3897	NOX (Nitrogen Oxide)	0.0074282	--	N2O (Nitrous Oxide)	0	--	HC-NM (Non-methane Hydrocarbon)	0.0019261	--	NMOG (Non-methane organic gases)	0.0019839	--	PM (Particulate Matter)	0.0011157	--	HC-TOTAL (Total Hydrocarbon)	0.0032888	--		
	Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)																																																																					
	CO2 BAG 1 (Bag 1 Carbon Dioxide)	590.3239	--																																																																					
	CO BAG 1 (Bag 1 Carbon Monoxide)	0.0081928	--																																																																					
	FE BAG 1 (Bag 1 Fuel Economy)	14.603	14.603																																																																					
	CH4 BAG 1 (Bag 1 Methane)	0.0022825	--																																																																					
	NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0026878	--																																																																					
	CO2 BAG 2 (Bag 2 Carbon Dioxide)	403.0156	--																																																																					
	CO BAG 2 (Bag 2 Carbon Monoxide)	0.0107998	--																																																																					
	FE BAG 2 (Bag 2 Fuel Economy)	21.3896	21.3896																																																																					
	CH4 BAG 2 (Bag 2 Methane)	0.0011601	--																																																																					
	NMOG BAG 2 (Bag 2 Non-methane organic gases)	0.0017831	--																																																																					
	METHANE (CH4 - Methane)	0.0014092	--																																																																					
	CO (Carbon Monoxide)	0.0102212	--																																																																					
	DT-ASCR (Drive Trace Absolute Speed Change Rating)	-2.7987	--																																																																					
	DT-EER (Drive Trace Energy Economy Rating)	-1.1046	--																																																																					
	DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-5.593	--																																																																					
	MFR FE (Manufacturer Fuel Economy)	19.3897	19.3897																																																																					
	NOX (Nitrogen Oxide)	0.0074282	--																																																																					
	N2O (Nitrous Oxide)	0	--																																																																					
	HC-NM (Non-methane Hydrocarbon)	0.0019261	--																																																																					
	NMOG (Non-methane organic gases)	0.0019839	--																																																																					
	PM (Particulate Matter)	0.0011157	--																																																																					
	HC-TOTAL (Total Hydrocarbon)	0.0032888	--																																																																					
		<table><tr><th>Test Result Name</th><th>Unrounded Test Result</th><th>Verify Calculated CREE/OPT-CREE</th></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>444.6128</td><td>--</td></tr></table>	Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE	Carbon-Related Exhaust Emissions	444.6128	--																																																																
	Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE																																																																					
	Carbon-Related Exhaust Emissions	444.6128	--																																																																					
		<table><tr><th>Test Result Name</th><th>Unrounded Test Result</th><th>Verify Calculated CO2</th></tr><tr><td>Carbon dioxide</td><td>444.5868</td><td>--</td></tr></table>	Test Result Name	Unrounded Test Result	Verify Calculated CO2	Carbon dioxide	444.5868	--																																																																
Test Result Name	Unrounded Test Result	Verify Calculated CO2																																																																						
Carbon dioxide	444.5868	--																																																																						
Manufacturer Test Comments	US06 EXHAUST EC Test No. 24040347																																																																							

Certification Summary Information Report

Test Group		VPRXV04.0S92			Evaporative/Refueling Family					VPRXR0170R92		
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 70	CO	0.01	--	--	--	0.07	--	0.1	99.9	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG	0.0020	--	1.10	--	0.0041	--	0.006	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NOX	0.0074	--	--	--	0.0012	--	0.009	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	PM	0.0011	--	--	--	0.0003	--	0.001	0.006	Pass
CA	150,000 miles	California LEV-IV ULEV70	CO	0.01	--	--	--	0.07	--	0.1	9.6	Pass
CA	150,000 miles	California LEV-IV ULEV70	NMOG	0.0020	--	1.10	--	0.0041	--	0.006	999.999	Pass
CA	150,000 miles	California LEV-IV ULEV70	NMOG+NOX	0.0094	--	--	--	--	--	0.015	0.070	Pass
CA	150,000 miles	California LEV-IV ULEV70	NOX	0.0074	--	--	--	0.0012	--	0.009	999.999	Pass
CA	150,000 miles	California LEV-IV ULEV70	PM	0.0011	--	--	--	0.0003	--	0.001	0.006	Pass

Certification Summary Information Report

Test Group	VPRXV04.0S92	Evaporative/Refueling Family	VPRXR0170R92
Test #	SPRX10088377	Test Procedure	95 - SC03
Exhaust Test # for this Evap Test	--	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)
Test Date	10/15/2024	Fuel	Gasoline
Fuel Batch ID	23W	Fuel Calibration Number	2518
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	Porsche AG, Labs and Engineering		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4063	Odometer Units	M
4WD Test Dyno	Yes	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)
CO BAG 1 (Bag 1 Carbon Monoxide)	0.0375256	--
CH4 BAG 1 (Bag 1 Methane)	0.0024036	--
NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0001485	--
METHANE (CH4 - Methane)	0.0024036	--
CO (Carbon Monoxide)	0.0375256	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-1.1327	--
DT-EER (Drive Trace Energy Economy Rating)	-0.1819	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.8249	--
MFR FE (Manufacturer Fuel Economy)	15.3826	15.3826
NOX (Nitrogen Oxide)	0.007625	--
HC-NM (Non-methane Hydrocarbon)	0.0001441	--
NMOG (Non-methane organic gases)	0.0001485	--
HC-TOTAL (Total Hydrocarbon)	0.002223	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	560.3646	--

Manufacturer Test Comments

SC03 EXHAUST EC Test No. 24040365

Certification Summary Information Report

Test Group		VPRXV04.0S92			Evaporative/Refueling Family					VPRXR0170R92		
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 70	CO	0.04	--	--	--	0.07	--	0.1	999.9	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NMOG	0.0001	--	1.10	--	0.0041	--	0.004	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 70	NOX	0.0076	--	--	--	0.0012	--	0.009	999.999	Pass
CA	150,000 miles	California LEV-IV ULEV70	CO	0.04	--	--	--	0.07	--	0.1	999.9	Pass
CA	150,000 miles	California LEV-IV ULEV70	NMOG	0.0001	--	1.10	--	0.0041	--	0.004	999.999	Pass
CA	150,000 miles	California LEV-IV ULEV70	NOX	0.0076	--	--	--	0.0012	--	0.009	999.999	Pass

Certification Summary Information Report

Test Group	VPRXV04.0S92	Evaporative/Refueling Family	VPRXR0170R92					
Emission Data Vehicle Information								
Vehicle ID / Configuration	FE-992-25 / 0	Manufacturer Vehicle Configuration Number	0					
Original Test Group Name	SPRXV03.0C92	Original Evaporative/Refueling Family	SPR XR0170R92					
Original Test Vehicle Model Year	2025							
Vehicle Model								
Represented Test Vehicle Make	Porsche	Represented Test Vehicle Model	911 Carrera Cabriolet					
Leak Family Details								
Leak Family Identifier	--	Leak Family Name	--					
Drive Sources and Fuel System Details								
	<table border="1"> <thead> <tr> <th>Drive Source and Fuel#</th> <th>Drive Source</th> <th>Fuel</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Combustion Engine</td> <td>Gasoline</td> </tr> </tbody> </table>	Drive Source and Fuel#	Drive Source	Fuel	1	Combustion Engine	Gasoline	
Drive Source and Fuel#	Drive Source	Fuel						
1	Combustion Engine	Gasoline						
Hybrid Indicator	No							
Multiple Fuel Storage	--	Multiple Fuel Combustion	--					
Fuel Cell Indicator	--	Rechargeable Energy Storage System Indicator	--					
Rechargeable Energy Storage System	--	Rechargeable Energy Storage System, if 'Other'	--					
Off-board charge Capable Indicator	--							
Odometer Correction -- Initial	0	Odometer Correction Factor	0.992					
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles							
Odometer Correction Units	Miles							
Engine Code	DYH	Rated Horsepower	388					
Displacement (liters)	3							
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)	3620	Equivalent Test Weight (pounds)	4000					
GVWR (lbs)	4442	N/V Ratio	23.3					
Axle Ratio	3.12							
Transmission Type	Automated Manual- Selectable (e.g. Automated Manual with paddles)	# of Transmission Gears	8					
Transmission Lockup	No	Creep Gear	No					

Certification Summary Information Report

Test Group	VPRXV04.0S92	Evaporative/Refueling Family	VPRXR0170R92
-------------------	--------------	-------------------------------------	--------------

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	38.37	0.5355	0.01609	-1.56	0.1633	0.01698	14
Cold CO	42.2	0.589	0.0198	17.22	-0.0006	0.01948	N/A
US06	38.37	0.5355	0.01609	-1.56	0.1633	0.01698	N/A

Emission Control Device Comments --

Manufacturer Test Vehicle Comments Test Vehicle: 911 Carrera Cabriolet; Porsche Internal Name: SEP325, Exhaust and Evaporvative Emissions

Test #	SPRX10086627	Test Procedure	34 - Federal fuel 3-day evap
Exhaust Test # for this Evap Test	SPRX10086626	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)
Test Date	04/19/2024	Fuel	Gasoline
Fuel Batch ID	60626	Fuel Calibration Number	970
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	IDIADA-Santa Oliva		
E10 Evaporative Test Measurement Method	Actual Total Hydrocarbon Equivalent Measurement (with speciation)		
Test Start Odometer Reading	7177	Odometer Units	K
4WD Test Dyno	Yes	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)	0.224	--

Manufacturer Test Comments 3DD; INTERNAL TEST #LM240402101c1

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	0.2240	0.0000	0.224	0.300	Pass
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.2240	0.0000	0.224	0.300	Pass

Certification Summary Information Report

Test Group	VPRXV04.0S92	Evaporative/Refueling Family	VPRXR0170R92						
Test #	SPRX10086811	Test Procedure	23 - 2-day evap						
Exhaust Test # for this Evap Test	SPRX10086625	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)						
Test Date	03/27/2024	Fuel	Gasoline						
Fuel Batch ID	W22	Fuel Calibration Number	24						
Vehicle Class	N/A	DF Type	Mfr. Determined						
Verify Test Lab ID	Porsche AG, Labs and Engineering								
E10 Evaporative Test Measurement Method	Actual Total Hydrocarbon Equivalent Measurement (with speciation)								
Test Start Odometer Reading	6874	Odometer Units	K						
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--						
State of Charge Delta	--								
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes						
Test Results									
<table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value (miles per gallon)</th> </tr> </thead> <tbody> <tr> <td>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</td> <td>0.1726</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)	0.1726	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)							
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.1726	--							
Manufacturer Test Comments									
2DD; INTERNAL TEST #24022925									
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	0.1726	0.0000	0.173	0.300	Pass	
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.1726	0.0000	0.173	0.300	Pass	

Certification Summary Information Report

Test Group	VPRXV04.0S92	Evaporative/Refueling Family	VPRXR0170R92						
Test #	SPRX10086624	Test Procedure	24 - Federal fuel refueling test (ORVR)						
Exhaust Test # for this Evap Test	SPRX10086623	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)						
Test Date	03/26/2024	Fuel	Gasoline						
Fuel Batch ID	W22	Fuel Calibration Number	24						
Vehicle Class	N/A	DF Type	Mfr. Determined						
Verify Test Lab ID	Porsche AG, Labs and Engineering								
E10 Evaporative Test Measurement Method	Actual Total Hydrocarbon Equivalent Measurement (with speciation)								
Test Start Odometer Reading	6825	Odometer Units	K						
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--						
State of Charge Delta	--								
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes						
Test Results									
<table border="1"> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value (miles per gallon)</th> </tr> <tr> <td>HC (Hydrocarbon for Running Loss and ORVR)</td> <td>0.0074</td> <td>--</td> </tr> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	HC (Hydrocarbon for Running Loss and ORVR)	0.0074	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)							
HC (Hydrocarbon for Running Loss and ORVR)	0.0074	--							
Manufacturer Test Comments									
ORVR; INTERNAL TEST #24022944									
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	Add DF	Certification Level	Standard	Pass/Fail	
Fed	150,000 miles	Federal Tier 3 Evap	HC	0.007	0.003	0.01	0.20	Pass	
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC	0.007	0.003	0.01	0.20	Pass	

Test Group	VPRXV04.0S92	Evaporative/Refueling Family	VPRXR0170R92
Test #	SPRX10086628	Test Procedure	32 - Federal Fuel Running Loss
Exhaust Test # for this Evap Test	SPRX10086626	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)
Test Date	04/19/2024	Fuel	Gasoline
Fuel Batch ID	60626	Fuel Calibration Number	970
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	IDIADA-Santa Oliva		
E10 Evaporative Test Measurement Method	Actual Total Hydrocarbon Equivalent Measurement (with speciation)		
Test Start Odometer Reading	7150	Odometer Units	K
4WD Test Dyno	Yes	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	--

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	--

Manufacturer Test Comments RUNNING LOSS EVAP; INTERNAL TEST #LM2404021_01

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-III Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.000	0.000	0.00	0.05	Pass

Certification Summary Information Report

Test Group	VPRXV04.0S92	Evaporative/Refueling Family	VPRXR0170R92						
Test #	SPRX10086629	Test Procedure	65 - Evap Canister Bleed Test						
Exhaust Test # for this Evap Test	--	Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)						
Test Date	04/10/2024	Fuel	Gasoline						
Fuel Batch ID	W22	Fuel Calibration Number	24						
Vehicle Class	N/A	DF Type	Mfr. Determined						
Verify Test Lab ID	Porsche AG, Labs and Engineering								
E10 Evaporative Test Measurement Method	Actual Total Hydrocarbon Equivalent Measurement (with speciation)								
Test Start Odometer Reading	7079	Odometer Units	K						
4WD Test Dyno	Yes	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	--						
Test Results									
<table border="1"> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value</th> </tr> <tr> <td>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</td> <td>0.00244</td> <td>--</td> </tr> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value	HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.00244	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value							
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.00244	--							
Manufacturer Test Comments									
BETP EVAP; INTERNAL TEST #24025778									
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	0.0024	0.0000	0.002	0.020	Pass	
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.0024	0.0000	0.002	0.020	Pass	

Certification Summary Information Report

Test Group	VPRXV04.0S92	Evaporative/Refueling Family	VPRXR0170R92
Fuel Properties			
Fuel Batch ID	W22	Fuel Calibration Number	24
Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	01/19/2023
Fuel Batch Calibration Effective Date	01/19/2023	Fuel Batch Calibration Ineffective Date	01/31/2028
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.741
Fuel Ethanol Volume Percent (%)	10.1	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17962
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.834	Weight Fraction CO2	--
Fuel Batch ID	W24	Fuel Calibration Number	1558
Test Fuel Type	61 - Tier 2 Cert Gasoline	Fuel Batch Calibration Date	07/23/2024
Fuel Batch Calibration Effective Date	07/23/2024	Fuel Batch Calibration Ineffective Date	07/23/2028
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.744
Fuel Ethanol Volume Percent (%)	--	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	18439
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.866	Weight Fraction CO2	--
Fuel Batch ID	23W	Fuel Calibration Number	2518
Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	07/05/2024
Fuel Batch Calibration Effective Date	07/05/2024	Fuel Batch Calibration Ineffective Date	07/31/2028
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.739
Fuel Ethanol Volume Percent (%)	9.9	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17954
Fuel Net Heat of Combustion (E10) (MJ/kg)	41.76	Fuel Carbon Mass Fraction (E10)	0.827
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.827	Weight Fraction CO2	--
Fuel Batch ID	22W	Fuel Calibration Number	2776
Test Fuel Type	29 - Cold CO E10 Premium Gasoline (Tier 3)	Fuel Batch Calibration Date	06/03/2024
Fuel Batch Calibration Effective Date	06/28/2024	Fuel Batch Calibration Ineffective Date	06/30/2028
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--

Certification Summary Information Report

Test Group		VPRXV04.0S92	Evaporative/Refueling Family	VPRXR0170R92
Exhaust Carbon Weight Fraction	--		Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--		Fuel Specific Gravity	0.737
Fuel Ethanol Volume Percent (%)	9.8		Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	--
Fuel Net Heat of Combustion (E10) (MJ/kg)	41.82		Fuel Carbon Mass Fraction (E10)	0.824
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	--		Weight Fraction CO2	--
Fuel Batch ID	60626		Fuel Calibration Number	970
Test Fuel Type	49 - Tier 3 E10 Premium Gasoline (9 RVP @Low Alt.)		Fuel Batch Calibration Date	11/20/2023
Fuel Batch Calibration Effective Date	11/20/2023		Fuel Batch Calibration Ineffective Date	11/30/2027
Carbon Weight Fraction NMHC	--		Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--		Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--		Fuel Specific Gravity	0.754
Fuel Ethanol Volume Percent (%)	9.7		Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17936
Fuel Net Heat of Combustion (E10) (MJ/kg)	--		Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.825		Weight Fraction CO2	--

Certification Summary Information Report

Test Group		VPRXV04.0S92			Evaporative/Refueling Family			VPRXR0170R92		
Consolidated List of Standards										
Exhaust Standards										
Cert Region		Federal			Cert/In-Use Code			Cert		
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 3 Bin 70		
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	--	--	--	--	--	--	0.07	99.9	
150,000 miles	NMOG	--	--	1.10	--	--	--	0.0041	999.999	
150,000 miles	NOX	--	--	--	--	--	--	0.0012	999.999	
150,000 miles	PM	--	--	--	--	--	--	0.0003	0.006	
Cert Region		Federal			Cert/In-Use Code			Cert		
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 3 Bin 70		
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	--	--	--	--	--	--	0.00	999.9	
150,000 miles	NMOG	--	--	--	--	--	--	0.0041	999.999	
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0.0053	.070	
150,000 miles	NOX	--	--	--	--	--	--	0.0012	999.999	

Certification Summary Information Report

Test Group		VPRXV04.0S92			Evaporative/Refueling Family			VPRXR0170R92	
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 3 Bin 70	
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	METHANE	--	--	--	--	--	--	0.0028	.030
120,000 miles	N2O	--	--	--	--	--	--	0.0000	.010
150,000 miles	CO	--	--	--	--	--	--	0.07	1.7
150,000 miles	CO-COMP	--	--	--	--	--	--	0.07	4.2
150,000 miles	CREE	--	--	--	--	--	--	0.00	999.9
150,000 miles	HCHO	--	--	--	--	--	--	0.0001	0.004
150,000 miles	NMOG	--	--	1.10	--	--	--	0.0041	999.999
150,000 miles	NMOG+NOX	--	--	1.10	--	--	--	0.0053	.070
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	0.0053	.080
150,000 miles	NOX	--	--	--	--	--	--	0.0012	999.999
150,000 miles	PM	--	--	--	--	--	--	0.0003	.003

Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			California LEV-IV ULEV70	
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	METHANE	--	--	--	--	--	--	0.0028	.030
120,000 miles	N2O	--	--	--	--	--	--	0.0000	.010
150,000 miles	CO	--	--	--	--	--	--	0.07	1.7
150,000 miles	HCHO	--	--	--	--	--	--	0.0064	0.004
150,000 miles	NMOG	--	--	1.10	--	--	--	0.0041	999.999
150,000 miles	NMOG+NOX	--	--	1.10	--	--	--	0.0053	.070
150,000 miles	NOX	--	--	--	--	--	--	0.0012	999.999
150,000 miles	PM	--	--	--	--	--	--	0.0003	.003

Certification Summary Information Report

Test Group		VPRXV04.0S92			Evaporative/Refueling Family			VPRXR0170R92	
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			California LEV-IV ULEV70	
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	--	--	--	--	--	--	0.07	10.0
150,000 miles	HC-NM	--	--	--	--	--	--	0.00	0.3

Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			California LEV-IV ULEV70	
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	--	--	--	--	--	--	0.07	999.9
150,000 miles	NMOG	--	--	1.10	--	--	--	0.0041	999.999
150,000 miles	NOX	--	--	--	--	--	--	0.0012	999.999

Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 3 Bin 70	
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	--	--	--	--	--	--	0.07	999.9
150,000 miles	NMOG	--	--	1.10	--	--	--	0.0041	999.999
150,000 miles	NOX	--	--	--	--	--	--	0.0012	999.999

Certification Summary Information Report

Test Group		VPRXV04.0S92			Evaporative/Refueling Family			VPRXR0170R92	
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			California LEV-IV ULEV70	
Fuel		Gasoline			Test Procedure			Fed. fuel 50 F exh.	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
4,000 miles	CO	--	--	--	--	--	--	0.07	1.7
4,000 miles	HCHO	--	--	--	--	--	--	0.0001	0.016
4,000 miles	NMOG	--	--	1.10	--	--	--	0.0041	99.999
4,000 miles	NMOG+NOX	--	--	1.10	--	--	--	0.0053	0.140
4,000 miles	NOX	--	--	--	--	--	--	0.0012	99.999
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			California LEV-IV ULEV70	
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	--	--	--	--	--	--	0.0041	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0.0053	.070
150,000 miles	NOX	--	--	--	--	--	--	0.0012	999.999
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			California LEV-IV ULEV70	
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	--	--	--	--	--	--	0.07	9.6
150,000 miles	NMOG	--	--	1.10	--	--	--	0.0041	999.999
150,000 miles	NMOG+NOX	--	--	--	--	--	--	0.0053	0.070
150,000 miles	NOX	--	--	--	--	--	--	0.0012	999.999
150,000 miles	PM	--	--	--	--	--	--	0.0003	0.006

Certification Summary Information Report

Test Group		VPRXV04.0S92			Evaporative/Refueling Family			VPRXR0170R92	
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 3 Bin 70	
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	--	--	--	--	--	--	0.07	10.0
150,000 miles	HC-NM	--	--	--	--	--	--	0.00	0.3

Evaporative/Refueling Standards

Evaporative/Refueling Family		VPRXR0170R92		Cert Region		Federal	
Cert/In-Use Code		Cert		Standard Level		Federal Tier 3 Evap	
Test Procedure		2-day evap					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.300	0.0000		

Evaporative/Refueling Family		VPRXR0170R92		Cert Region		Federal	
Cert/In-Use Code		Cert		Standard Level		Federal Tier 3 Evap	
Test Procedure		Federal 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		VPRXR0170R92		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Cert		Standard Level		California LEV-III Zero Evap (Option 2)	
Test Procedure		Federal 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		VPRXR0170R92		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 3-day evap					
Fuel		Useful Life	Emission Name	Rounded Result	Std	Add DF	
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.300	0.0000		

Certification Summary Information Report

Test Group		VPRXV04.0S92		Evaporative/Refueling Family		VPRXR0170R92	
Evaporative/Refueling Family		VPRXR0170R92		Cert Region		Federal	
Cert/In-Use Code		Both		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		VPRXR0170R92		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Cert		Standard Level		California LEV-IV Zero Evap (Option 2)	
Test Procedure		2-day evap					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.300	0.0000		
Evaporative/Refueling Family		VPRXR0170R92		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	--	0.20	0.003		
Evaporative/Refueling Family		VPRXR0170R92		Cert Region		Federal	
Cert/In-Use Code		Cert		Standard Level		Federal Tier 3 Evap	
Test Procedure		Federal fuel 3-day evap					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.300	0.0000		
Evaporative/Refueling Family		VPRXR0170R92		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	--	0.20	0.003		

Certification Summary Information Report

Test Group		VPRXV04.0S92		Evaporative/Refueling Family		VPRXR0170R92					
Evaporative/Refueling Family		VPRXR0170R92		Cert Region		California + CAA Section 177 states					
Cert/In-Use Code		Both		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	

Certification Summary Information Report

Test Group		VPRXV04.0S92	Evaporative/Refueling Family	VPRXR0170R92
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		VPRXV04.0S92	Evaporative/Refueling Family		VPRXR0170R92
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		VPRXV04.0S92	Evaporative/Refueling Family	VPRXR0170R92
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		VPRXV04.0S92	Evaporative/Refueling Family		VPRXR0170R92
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	

Section 8~Manufacturer Statements

8.01>> Emission Testing Waiver Statements

Fuel Spitback	In accordance with 40 CFR 86.1829-15(e)(5), Porsche hereby certifies that the vehicles covered by this test group inherently meet the fuel dispensing spitback standard for the full useful life of the vehicles as part of compliance with the refueling emissions standard.
Formaldehyde Emissions	Based on prior emissions testing, as allowed by 40 CFR 86.1829-15(e)(5), Porsche attests that vehicles in this test group comply with applicable formaldehyde standards.
Particulate Matter	For vehicles in test groups certified to Interim Tier-4 standards, and which belong to durability groups that have previously been tested and submitted to EPA, Porsche hereby certifies, in accordance with 40 CFR 86.1829-15(d)(1), that the vehicles of this test group comply with the applicable standards for Particulate Matter.
Particulate Matter	For vehicles in test groups certified to Tier-4 standards, Porsche hereby certifies, in accordance with 40 CFR 86.1829-15(d)(9), that the vehicles of this test group comply with comply with the Particulate Matter standard for -7 °C.
N2O Compliance	Porsche has elected not to include N2O in its GHG fleet averaging calculations. Compliance with the N2O standards on the FTP cycle is indicated in the CSI report(s) in Section 7.
CH4 Compliance	Porsche has elected not to include CH4 in its GHG fleet averaging calculations. Compliance with the CH4 standards on the FTP cycle is indicated in the CSI report(s) in Section 7.
FTP High Altitude Compliance and Strategies	In accordance with 40 CFR 86.1829-15 (c), Porsche attests that emissions control strategies used at low altitude are similarly used across all altitudes, and that the vehicles in this test group comply with all applicable emissions standards at high altitude.
Evaporative / Refueling Emissions Testing at High Altitude	In accordance with 40 CFR 86.1829-01 (b) (2) (ii) (B), Porsche certifies that, based upon good engineering judgment and appropriate emissions tests, vehicles of this test group comply with applicable evaporative/refueling emissions standards at high altitude.
OBD Performance Warranty Test	Porsche attests that the emission control diagnostic system for all vehicles in this test group comply with all the performance warranty test requirements of 40 CFR 86.1844-01(d)(9)(iv).
Testing of Configurations	The worst-case configuration has been verified by development testing. At the final stages of development testing Porsche ensures all tested configurations and sub-configurations meet criteria pollutant standards.
Transmission modes, and other modes	Porsche vehicles typically have multiple driver-selectable driving / transmission modes, such as "Sport" and "Sport Plus", which can be driven over emission test cycles. Porsche evaluates emission performance to ensure all modes meet emissions standards. These modes, and other modes that may adapt to real-world driving conditions, such as "Towing" and "Off-Road", in that they may initiate alternate transmission scheduling and engine parameters, are described in the AECD description, Section 16. Emission standards are met in all modes.
Production Intent Calibrations	Porsche attests that final development testing is conducted with production-intent calibrations, and that test vehicles are fully representative of the final products.

Section 8~Manufacturer Statements

8.02>> Manufacturer Attestations

SFTP Air/Fuel Ratio Requirements	For vehicles in test groups certified to Interim Tier-4 standards, in accordance with 40 CFR 86.1811-17(d), Porsche hereby attests that for all vehicles of this test group, at no time is the air/fuel ratio richer than the leanest mixture required to obtain maximum torque, plus a tolerance of 6%.
Lean-on-Cruise Calibration Strategies	For vehicles in test groups certified to Interim Tier-4 standards, Porsche hereby attests that any lean-on-cruise calibration strategies comply with terms in accordance with 40 CFR 86.1811-17(d)(4).
91 RON	As required by VPCD 97-01, Porsche attests that calibrations are designed to operate on 91 RON gasoline with no need for spark adjustment. Knock sensors have no influence on fuel economy or emissions results, beyond normal test variability.
Adjustable Parameters and Tamper Resistance	Porsche attests that no calibration parameters are adjustable, and therefore no tamper resistance measures are required.
Cold Temperature Defeat Device (Continuity of Emissions)	Based on engineering evaluation of emissions data at ambient, cold, and intermediate temperatures, Porsche hereby attests that this test group complies with the prohibition of defeat device requirements described in 40 CFR 86.1809. Please refer to the Final Part 2 Common Application for supporting data and analysis.
A/C Specific Calibrations	For vehicles in test groups certified to Interim Tier-4 standards, as required by 40 CFR 86.1811-17(d)(4), Porsche hereby attests that no A/C-On specific calibrations are employed which unnecessarily reduce the effectiveness of NMOG+Nox emissions control under reasonably expected real world conditions.
Leak-Free Exhaust System	Porsche has conducted a thorough engineering analysis to ensure that the complete exhaust systems described in this Application for Certification are designed to facilitate leak-free assembly, installation and operation for the full useful life of the vehicle, as required by CFR 86.1844.01(d)(16). Porsche further attests that such repairs as might be necessary on a properly maintained vehicle throughout its full useful life can be performed in such a manner as to maintain leak-free operation, using tools commonly available in a motor vehicle dealership or independent repair facility.
California ASM and Inspection / Maintenance Standards	Porsche hereby certifies that all vehicles in this test group are designed to comply with OBD inspection requirements specified in ARB MAC#99-05.
California Fill Pipe Standards	In accordance with the Title 13, California Code of Regulations Section 2235, Porsche hereby certifies that based upon good engineering judgment and previous emissions testing, vehicles of this test group comply with the applicable fill pipe requirements.
GHG Compliance	As part of the Volkswagen Group of America, Porsche is not subject to GHG compliance as an independent entity. GHG compliance is managed at the Group level by VWGoA.
Criteria Pollutant Fleet Averages and Phase-Ins	As part of the Volkswagen Group of America, Porsche is not subject to these requirements as an independent entity. Fleet emission compliance is managed at the Group level by VWGoA.

Section 8~Manufacturer Statements

8.02>> Manufacturer Attestations

Production Vehicle same as Test Vehicle statement	The production vehicles represented by the particular engine families will be in all material respects of the same design as those for which vehicle approval is granted.
California LEV IV SC03 Standards	Porsche hereby attests that vehicles in this test group meet applicable standards in accordance with 13 CCR 1961.4(d)(4).
Partial Soak Standard(s)	Vehicles in this test group are not part of Porsche's phase in for Partial Soak as set forth in 13 CCR 1961.4(d)(2)(B)1)
Quick Drive-Away Phase-In	Vehicles in this test group are not part of Porsche's phase in for Quick drive-away as set forth in 13 CCR 1961.4(d)(2)(C)1(a))
Partial Soak Phase-In	Vehicles in this test group are not part of Porsche's phase in for Partial Soak as set forth in 13 CCR 1961.4(d)(2)(B)1)
Intermediate Soak Compliance Statement	In accordance with 40 CFR 86.1829-15 (d)(7), Porsche hereby certifies that vehicles in this test group comply with the intermediate soak standards of 40 CFR 86.1811-27 (b)(4)(ii) for soak times not covered by testing.
LEV IV PM Attestation (in lieu of data submission)	Starting in MY26 - For all test groups that are certified to LEV IV PM standards for which test data is not submitted, the manufacturer must, in accordance with good engineering practices, attest that such test groups will comply with the applicable LEV IV PM standards.
California LEV IV SC03 Standards	Porsche hereby attests that vehicles in this test group meet applicable standards in accordance with 13 CCR 1961.4(d)(4).
ORVR-Safety Statement	Porsche is using standard technology in all MY2027 vehicles ORVR systems, as mentioned in the Pre-Certification meeting. In accordance with EPA Guidance letter CISC-06-06, ORVR application will not be submitted.

|

Section 9~OBD Description

9.01>> OBD System Description

The OBD Application for this test group was submitted to EV-CIS as the following stand-alone PDF document:

CBI_VPRXV04.0S92_OBD Application

Section 9~OBD Description

9.02>> ARB OBD Approval

Please refer to Section 16.

Section 10~Description of Alternate-Fueled Vehicles

This section is Not Applicable (Porsche has no Alternate-Fueled Vehicles).

Section 11~AECD Description

Please refer to Section 16.

Section 12~Test Parameters and Description of Vehicles Covered by Certificate

12.01>> Vehicle Description and Parameters

Carline	580	580	580	585
Model Name	911 GT3	911 GT3	911 GT3 (Manual)	911 GT3 Touring
Vehicle Classification	PC	PC	PC	PC
Sales Area	50 State	50 State	50 State	50 State
Transmission	AMS-7	AMS-7	M6	AMS-7
Engine Displ. (L)	4.0	4.0	4.0	4.0
Engine Code	DZP	DZP	DZP	DZP
Catalysts	See Section 2	See Section 2	See Section 2	See Section 2
EGR Type	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Air Pump Type	None	None	None	None
Intake Air Aspiration Method	Naturally Aspirated	Naturally Aspirated	Naturally Aspirated	Turbocharged
Idle Start/Stop	Default On	Default On	Default On	Default On
Drive Type	RWD	RWD	RWD	RWD
Starting Procedure	See Section 6.02	See Section 6.02	See Section 6.02	See Section 6.02
Cooling Fan				
Drive Accuracy Per 1066.425	Yes	Yes	Yes	Yes
SIL	None	None	None	None
Fuel System Type	Direct Injection	Direct Injection	Direct Injection	Direct Injection
Fuel Tank Vol. (Gal)	22.2	22.2	22.2	22.2
Optional Tank (Gal)	22.2	22.2	22.2	22.2
Canister Working Capacity (g)	170	170	170	170
Canister Bed Vol (L)	2.9	2.9	2.9	2.9
Fuel Temperature Profile	See Section 6.04	See Section 6.04	See Section 6.04	See Section 6.04
ETW (Lb)	3750	3750	3750	3750
Curb Weight	3369	3369	3333	3391
Gross Vehicle Weight	3929	3929	3891	4101
Test Horsepower	502	502	502	502
Shift Schedules	See Section 6	See Section 6	See Section 6	See Section 6
Cooling Fan Configuration				
Axle Ratio	3.27	3.27	3.09	3.27
N/V Ratio	38.1	38.1	40.7	38.1
Tire Size_s	Front	255/35 ZR20	255/35 ZR20	255/35 ZR20
	Rear	315/30 ZR21	315/30 ZR21	315/30 ZR21
RLHP	14.3	14.3	14.5	13.8
Single Roll Coefficients (target)	A [lbf]	36.37	36.37	32.13
	B [lbf/mph]	0.4146	0.4146	0.6842
	C [lbf/mph²]	0.02006	0.02006	0.01686
				0.02483

Note: RLHP details for all model types and sub-configurations are available from Porsche upon request.

Section 12~Test Parameters and Description of Vehicles Covered by Certificate

12.01.02> Vehicle Description Continued

Carline	585	590	587	
Model Name	911 GT3 Touring (Manual)	911 GT3 S/C (Manual)	911 GT3 90 F. A. Porsche (Manual)	
Vehicle Classification	PC	PC	PC	
Sales Area	50 State	50 State	50 State	
Transmission	M6	M6	M6	
Engine Displ. (L)	4.0	4.0	4.0	
Engine Code	DZP	DZP	DZP	
Catalysts	See Section 2	See Section 2	See Section 3	
EGR Type	Not Applicable	Not Applicable	Not Applicable	
Air Pump Type	None	None	None	
Intake Air Aspiration Method	Naturally Aspirated	Naturally Aspirated	Turbocharged	
Idle Start/Stop	Default On	Default On	Default On	
Drive Type	RWD	RWD	RWD	
Starting Procedure	See Section 6.02	See Section 6.02	See Section 6.02	
Cooling Fan				
Drive Accuracy Per 1066.425	Yes	Yes	Yes	
SIL	None	None	None	
Fuel System Type	Direct Injection	Direct Injection	Direct Injection	
Fuel Tank Vol. (Gal)	22.2	22.2	22.2	
Optional Tank (Gal)	22.2	22.2	22.2	
Canister Working Capacity (g)	170	170	2900	
Canister Bed Vol. (L)	2.9	2.9	0.0899	
Fuel Temperature Profile	See Section 6	See Section 6	See Section 6	
ETW [Lb]	3750	3750	3750	
Curb Weight	3355	3384	3355	
Gross Vehicle Weight	4063	3896	4063	
Test Horsepower	502	502	502	
Shift Schedules	See Section 6	See Section 6	See Section 6	
Cooling Fan Configuration				
Axle Ratio	3.09	3.09	3.09	
N/V Ratio	40.7	40.7	40.7	
Tire Sizes	Front	255/35 ZR20	255/35 ZR20	255/35 ZR20
	Rear	315/30 ZR21	315/30 ZR21	315/30 ZR21
RLHP	14.0	14.0	14.0	
Single Roll Coefficients (target)	A (lbf)	37.59	37.59	37.59
	B [lbf/mph]	0.2630	0.2630	0.2630
	C [lbf/mph²]	0.02157	0.02157	0.02157

Note: blank cells or tables are intentionally blank.

Section 13~Projected Sales

13.01>> Sales / Phase-ins

Confidential. See Section 16 in CBI version.

Section 14~Request for Certification

14.01>> Statement of Compliance

Porsche states that any element of design, system, or emission control device installed on or incorporated in Porsche's new motor vehicles or new motor vehicle engines for the purpose of complying with standards prescribed under section 202 of the Clean Air Act, will not, to the best of Porsche's information and belief, cause the emission into the ambient air of pollutants in the operation of its motor vehicles or motor vehicle engines which cause or contribute to an unreasonable risk to public health or welfare except as specifically permitted by the standards prescribed under section 202 of the Clean Air Act. Porsche further states that any element of design, system, or emission control device installed or incorporated in Porsche's new motor vehicles or motor vehicle engines for the purpose of complying with standards prescribed under section 202 of the Clean Air Act, will not, to the best of Porsche's information and belief, cause or contribute to an unreasonable risk to public safety.

The term pollutants means:

- a. Diesel particulates
- b. Nickel
- c. MMT combustion products
- d. Ammonia
- e. Sulfates
- f. Hydrogen sulfide
- g. Hydrogen cyanide
- h. Ruthenium combustion products
- i. Nitrosamines,

or any other pollutant, which Porsche has identified, which can reasonably be expected to be emitted from these vehicles.

All vehicles have been tested in accordance with good engineering practice to ascertain that such test vehicles meet the requirements of this section for the useful life of the vehicle.

The test vehicles with respect to which data are submitted are in all materials respects as described in the application for certification, have been tested in accordance with the applicable test procedures utilizing the fuels and equipment described in the application for certification, they meet the requirements of such tests, and on the basis of such tests, they conform to the requirements of the regulations in 40CFR, Part 86, Subpart A.

Signed and dated by:



March 26, 2026

Michael Scott – Porsche Cars North America, Inc.

Section 15~Other Information

15.01>> EPA Fee Filing Form

Appears on the following page.

US EPA Fee Form

[Help and EPA Instructions](#)

* Required Field

General Information

Date: 01/23/2026

Process Code *

Submit New Fee Filing Form

Manufacturer Code *

PRX

Manufacturer Name *

Porsche Cars North America

Contact Name *

Peter Khamphouvong

Contact Email Address *

peter.khamphouvong@porsche.us

Contact Phone *

6787091264

Calendar Year complete application submitted
to EPA *

2026

PLEASE NOTE: These fees apply to complete certification applications received by EPA from January 1, 2026, through December 31, 2026. The applicable fee is determined by the

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

Engine Family / Evaporative Family / Test Group *

VPRXV04.0S92

Certificate Request Type (Industry Sector Code)

Certificate Request Type *

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

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

ICI VIN Number (Required for ICIs Only)

Do you qualify for a Reduced Fee? *

No

Payment Information

Amount Owed

\$32,317.00

Payment Type *

Offline ACH

Comments

EPA Form Number 3520-29

OMB Control No.2060-0545

Approval expires 7/31/2027

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

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

Section 15~Other Information

15.02>> Revision Index

[illegible]

PORSCHE

END OF DOCUMENT