



SUBARU CORPORATION

Application for Certification <Part I>

2027 Model Year

Durability Group: VFJXGPGNNEM
Test Group: VFJXT02.4RAB
Evap./Refueling Family: VFJXR01545GA
Durability Group Description: Four stroke, Otto Cycle, Gasoline Fueled, DFI Turbo
Catalyst code: PFTB/PRTB
Test Group Description: 2.4L 4-Cylinder, Horizontally Opposed
Carline & Vehicle Class: OUTBACK(LDT2) / OUTBACK WILDERNESS(LDT2)
Emission Standards: Interim Tier4 Bin50 / LEV IV ULEV50
Evap. Standards: Tier3 / LEV IV
Vehicles Tested:

VID	Config.	Test	Fuel	Carryover of previous MY
TBE-BBA6	0	FTP/HWY/SFTP/50F	Tier3 E10 Regular	Yes
TBE-BBA6	0	COLD CO	Cold CO E10 Regular	Yes
TBV-BBA6	0	Evap., R/L, Bleed	LEVIV E10 Regular	Yes
TBV-BBA6	0	ORVR	Tier3 E10 Regular	Yes

Issue Date: May 29, 2026
Desired Approval Date by: July 13, 2026

For Questions, Contact: Lisa Miller: lisa.miller@srd.subaru.co.jp TEL: 909.241.6871

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	Test Parameters – 6) Cooling Fan Type	X	X	-	-
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	1) LEV IV FTP Fleet Average	X	-	-	-
	2) LEV IV Evaporative Emission Fleet Average	X	-	-	-
	3) LEV IV PM(FTP) Phase-in	X	-	-	-
	4) LEV IV PM(US06) Phase-in	X	-	-	-
	5) LEV IV NMOG+NOx and CO(US06) Phase-in	X	-	-	-
	6) LEV IV NMOG+NOx(Partial Soak) Phase-in	X	-	-	-
	7) LEV IV NMOG+NOx(Quick Drive Away) Phase-in	X	-	-	-
	8) LEV IV Running Loss Phase-in	X	-	-	-
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Section 1 Correspondence and Communications

Refer to Common Section, Section 1.

Section 2 Durability Group Description

2-1 Durability Group Description and Catalyst Information

Refer to CBI Test Group Section.

2-2 Durability Group Breakdown

Refer to Common Section, Section 2.

Section 3 Evaporative/Refueling Family Description

3-1 Evaporative/Refueling Family Name: VFJXR01545GA

(For a breakdown of the evaporative/refueling families, refer to Common Section, Section 3)

3-2 Evaporative/Refueling Family Parameters

Refer to the next pages

3-3 ORVR Information

Refer to Common Section, Section 3

3-4 ORVR Statement

Refer to Common Section, Section 3

3-5 Evaporative/Refueling Family – Leak Family Description

Refer to Common Section, Section 3

3-2 Evaporative/Refueling Family Parameters

Evaporative/Refueling Family Name	VFJXR01545GA
1) Type of vapor storage device	Evaporative canister and intake vapor storage
2) Basic canister design	
i) Working capacity	154g
ii) System configuration	Single canister
iii) Canister geometry, construction and materials	
Bed volume:	2,330 cc
Canister material:	Plastic
Medium:	Activated carbon
Nominal fuel tank capacity	18.0 gal
3) Fuel system	Direct fuel injection, Returnless
4) Type of refueling emission control system	Integrated ORVR
5) Fill pipe seal mechanism	Liquid seal
6) Vapor control system or method of vapor line to the canister	Valve vent, Fuel shut-off valve
7) Purge control system	
Type of valve:	Duty
Purge control strategy:	Controlled by ECM
8) Vapor hose material	Steel, rubber and plastic ETFE/PA multilayer, NBR/FTP/ECO multilayer, PA/PBN multilayer
9) Fuel tank material	HDPE (High-density Polyethylene) (HDPE/EVOH multilayer)

Section 4 Durability Procedure Description

Refer to Common Section, Section 4.

For Deterioration Factors (DF), refer to Certification Summary Information Report in Section 7.

Section 5 Test Group Description

5-1 Test Group Description

Test group name	VFJXT02.4RAB	
Durability Group	VFJXGPGNNNEM	
Engine displacement covered	2387 cc	
Arrangement and number of cylinders	Horizontally Opposed / 4 Cylinders	
Vehicle class(s) covered	LDT2: OUTBACK LDT2: OUTBACK WILDERNESS	
Sales Location	50-States	
Emission standard class	Fed	Interim Tier4 Bin50
	Cal	LEV IV ULEV50
Applicable emission standards	Refer to CSI report in Section 7	

5-2 Engine code Breakdown

Refer to Common Section

5-3 Transmission code Breakdown

Refer to Common Section

5-4 Catalyst code Breakdown

Refer to Common Section

Section 6 Test Vehicle Description

6-1 Durability Data Vehicle

Durability group for test vehicle	TFJXGPGNNNEM			
Test vehicle number	TBD-BBA6 / 0			
Model	2026MY OUTBACK WILDERNESS			
Vehicle drive source and fuel	Gasoline engine			
Engine displacement	2387 cc			
Engine code	24DTR1			
Transmission type	CVT			
ETW	4250 lbs			
Axle ratio	4.111			
Vehicle drive mode while testing	Trans: Manual shift			
Dynamometer road-load target and set coefficients	Target		Set	
	A	35.36	A	16.55
	B	0.3908	B	0.1210
	C	0.02329	C	0.02444
SIL usage	Not equipped			
Aged emission components	Catalyst, A/F Sensor, Oxygen Sensor			
Engine rated horsepower	260 hp @ 5,600 rpm			

For complete vehicle information, see Certification Summary Information sheet.

6-2 Emission Data Vehicle

Test group for test vehicle	TFJXT02.4RAB			
Test vehicle number	FTP/HWY/US06/SC03/50degF Cold FTP		TBE-BBA6 / 0	
Model	2026MY OUTBACK WILDERNESS			
Vehicle drive source and fuel	Gasoline engine			
Engine displacement	2387 cc			
Engine code	24DTR1			
Transmission type	CVT			
ETW	4250 lbs			
Axle ratio	4.111			
Vehicle drive mode while testing	Trans: Manual shift			
Dynamometer road-load target and set coefficients (FTP/HWY/US06)	Target		Set	
	A	35.36	A	16.55
	B	0.3908	B	0.1210
	C	0.02329	C	0.02444
Dynamometer road-load target and set coefficients (SC03/50degF)	Target		Set	
	A	35.36	A	16.96
	B	0.3908	B	0.1483
	C	0.02329	C	0.02381
Dynamometer road-load target and set coefficients (for Cold FTP only)	Target		Set	
	A	38.90	A	16.13
	B	0.4299	B	0.0982
	C	0.02562	C	0.02654
SIL usage	Not equipped			
Aged emission components	No aged components, 4K emission data vehicle was used			
Engine rated horsepower	260 hp @ 5,600 rpm			

For complete vehicle information, see Certification Summary Information sheet.

6-3 Evaporative Emission Data Vehicle

Evaporative family for test vehicle	TFJXR01545GA			
Test vehicle number	Evap., R/L, Bleed, ORVR		TBV-BBA6 / 0	
Model	2026MY OUTBACK WILDERNESS			
Vehicle drive source and fuel	Gasoline engine			
Engine displacement	2387 cc			
Engine code	24DTR1			
Transmission type	CVT			
ETW	4250 lbs			
Axle ratio	4.111			
Vehicle drive mode while testing	D range			
Dynamometer road-load target and set coefficients	Target		Set	
	A	35.36	A	15.72
	B	0.3908	B	0.1517
	C	0.02329	C	0.02374
SIL usage	Not equipped			
Aged emission components	No aged components, 4K emission data vehicle was used			
Engine rated horsepower	260 hp @ 5,600 rpm			

For complete vehicle information, see Certification Summary Information sheet.

Section 7 Test Results

7-1 Certification Summary Information Report

Refer to included Certification Summary Information Report.

For other information, refer to Common Section, Section 7.

Certification Summary Information Report

Manufacturer	Subaru Corporation	Manufacturer Code	FJX
Test Group	VFJXT02.4RAB	Evaporative/Refueling Family	VFJXR01545GA
Certificate Number	--	CARB Executive Order #	--
Certificate Issue Date	--	Certificate Revision Date	--
Certificate Effective Date	--	Conditional Certificate	--
CSI Revision #	--	CSI Submission/Revision Date	05/26/2026 09:14:03 PM
Model Year	2027		

Test Group Information

CSI Type	New	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	LDT2
Federal Clean Fuel Vehicle	No	Federal Clean Fuel Vehicle Standard	--
Federal Clean Fuel Vehicle ILEV	No	California Partial Zero Emissions Vehicle Indicator	No
Durability Group Name	VFJXGPGNNNEM	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	VFJXV02.4AJM
Test Group OBD Compliance Level	Full - no deficiencies	Number of Test Group OBD Deficiencies	0
OBD Deficiencies Comments	--		
Mfr Test Group Comments	--		
Mfr Exhaust / Evap Standards Comments	--		

Certification Summary Information Report

Test Group	VFJXT02.4RAB	Evaporative/Refueling Family	VFJXR01545GA				
Evaporative/Refueling Family Information							
Evaporative Summary Information Type	New	Submission/Correction Date	05/26/2026 08:52:57 PM				
Integrated ORVR?	Yes	Fuel(s)	Gasoline				
Multiple Fuel Storage	--						
Bladder Fuel Tank?	No						
Fuel Tank Material	Plastic	Fuel Tank Material Description	HDPE/EVOH multi layer				
Fill Pipe Seal Type	Liquid seal						
Air Intake System Vapor Storage Device?	Yes	Air Intake System Vapor Storage Device Description	HC trap				
Fuel System Vapor Storage Canister?	Yes	Other Vapor Storage	No				
Fuel System Vapor Storage Canister(s) Total Working Capacity (grams)	154	Number of Primary Canisters	1				
Number of Bleed Canisters	0	Bleed Canister Total Working Capacity (grams)	--				
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				
VFJXR01545GA-5GA	50 State	0.02	--				
Models Covered by this Certificate							
Carline Manufacturer	Division	Carline	Certification Region Code(s)	Drive System	Trans - Type	- # of Gears	Trans - Lockup
Subaru Corporation	1 - Subaru	70 - OUTBACK AWD	California + CAA Section 177 states	All Wheel Drive	Selectable Continuously Variable (e.g. CVT with paddles)	8	Yes
Subaru Corporation	1 - Subaru	110 - OUTBACK WILDERNESS AWD	Federal	All Wheel Drive	Selectable Continuously Variable (e.g. CVT with paddles)	8	Yes
Subaru Corporation	1 - Subaru	110 - OUTBACK WILDERNESS AWD	California + CAA Section 177 states	All Wheel Drive	Selectable Continuously Variable (e.g. CVT with paddles)	8	Yes
Subaru Corporation	1 - Subaru	70 - OUTBACK AWD	Federal	All Wheel Drive	Selectable Continuously Variable (e.g. CVT with paddles)	8	Yes

Certification Summary Information Report

Test Group	VFJXT02.4RAB	Evaporative/Refueling Family	VFJXR01545GA	
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	ILSAC GF-7A 0W-20	
Number of Cylinders/Rotors	4	Mechanically Variable Compression Ratio Indicator	N	
After Treatment Device(s) (ATD)				
ATD Number	ATD Type	ATD Precious Metal	Substrate Material	Substrate Construction
1	Three-way catalyst	Palladium + Rhodium	Ceramic	Monolith
2	Three-way catalyst	Platinum + Palladium + Rhodium	Ceramic	Monolith
Mfr After Treatment Device (ATD) Comments				
--				
Direct Ozone Reduction (DOR) Device				
Not Equipped				
Mfr Emission Control Device Comments				
--				
Engine Configuration Number 1				
Engine Displacement (liters)	2.4	Engine Rated Horsepower	260	
Number of Inlet Valves Per Cylinder	2	Number of Exhaust Valves Per Cylinder	2	
Air Aspiration Method	Turbocharged	Number of Air Aspiration Devices	1	
Air Aspiration Device Configuration	Single	Charge Air Cooler Type	Air	
Air Aspiration Drive Method(s)	Mechanical			
Cylinder Deactivation	No			
Cylinder Deactivation Description	--			
Variable Valve Timing	Yes			
Variable Valve Timing System Description	Intake and Exhaust			
Variable Valve Lift?	No			
Variable Valve Lift System Description	--			
Number of Knock Sensors	2	Number of Air/Fuel Sensors	2	
Air/Fuel Sensor # 1 Type	Heated air fuel	Air/Fuel Sensor # 1 Description	--	
Air/Fuel Sensor # 2 Type	Heated oxygen	Air/Fuel Sensor # 2 Description	--	
Mfr Air/Fuel Sensor Comments	--			
Exhaust Gas Recirculation	Yes	Cooled Exhaust Gas Recirculation	Yes	
EGR Type	Electronic/Electric	Exhaust Gas Recirculation Description if 'Other'	--	
Closed Loop Air Injection System	No			
Air Injection Type	Not Applicable	Air Injection Type if 'Other'	--	
Mfr Engine Configuration Comments	--			

Certification Summary Information Report

Test Group		VFJXT02.4RAB				Evaporative/Refueling Family		VFJXR01545GA		
Official Test Numbers										
Test Group						EPA City	EPA City	EPA	EPA	CREE
Fuel	FTP	US06	SC03	Cold CO	Highway	Litmus	Litmus	Highway	Highway	Weighting
						Value	Threshold	Litmus	Litmus	Factor
								Value	Threshold	
Gasoline	TFJX91006424	TFJX91006427	TFJX10089680	TFJX10089683	TFJX91006428	78.2	228.2	999.9	286.1	--

Certification Summary Information Report

Test Group	VFJXT02.4RAB	Evaporative/Refueling Family	VFJXR01545GA						
Emission Data Vehicle Information									
Vehicle ID / Configuration	TBE-BBA6 / 0	Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	TFJXT02.4RAB	Original Evaporative/Refueling Family	TFJXR01545GA						
Original Test Vehicle Model Year	2026								
Vehicle Model									
Represented Test Vehicle Make	SUBARU	Represented Test Vehicle Model	OUTBACK WILDERNESS AWD						
Leak Family Details									
Leak Family Identifier	5GA	Leak Family Name	TFJXR01545GA-5GA						
Drive Sources and Fuel System Details									
	<table border="1"> <tr> <th>Drive Source and Fuel#</th><th>Drive Source</th><th>Fuel</th></tr> <tr> <td>1</td><td>Combustion Engine</td><td>Gasoline</td></tr> </table>	Drive Source and Fuel#	Drive Source	Fuel	1	Combustion Engine	Gasoline		
Drive Source and Fuel#	Drive Source	Fuel							
1	Combustion Engine	Gasoline							
Hybrid Indicator	No								
Multiple Fuel Storage	--	Multiple Fuel Combustion	--						
Fuel Cell Indicator	--	Rechargeable Energy Storage System Indicator	--						
Rechargeable Energy Storage System	--	Rechargeable Energy Storage System, if 'Other'	--						
Off-board charge Capable Indicator	--								
Odometer Correction -- Initial	0	Odometer Correction Factor	0.9889						
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor								
Odometer Correction Units	Miles								
Engine Code	24DTR1	Rated Horsepower	260						
Displacement (liters)	2.4								
Air Aspiration Method	Turbocharged	Air Aspiration Method, if 'Other'							
Number of Air Aspiration Devices	1	Air Aspiration Device Configuration	Single						
Charge Air Cooler Type	Air	Drive Mode While Testing	2-Wheel Drive, Front						
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)						
Curb Weight (lbs)	4014	Equivalent Test Weight (pounds)	4250						
GVWR (lbs)	5143	N/V Ratio	25.7						
Axle Ratio	4.11								
Transmission Type	Selectable Continuously Variable (e.g. CVT with paddles)	# of Transmission Gears	8						
Transmission Lockup	Yes	Creep Gear	No						

Certification Summary Information Report

Test Group		VFJXT02.4RAB			Evaporative/Refueling Family		VFJXR01545GA	
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	35.36	0.3908	0.02329	16.55	0.121	0.02444	15.1	
Cold CO	38.9	0.4299	0.02562	16.13	0.0982	0.02654	N/A	
US06	35.36	0.3908	0.02329	16.96	0.1483	0.02381	N/A	
Emission Control Device Comments		--						
Manufacturer Test Vehicle Comments		Tire size: 225/65R17						

Certification Summary Information Report

Test Group	VFJXT02.4RAB	Evaporative/Refueling Family	VFJXR01545GA
Test #	TFJX10089679	Test Procedure	52 - Fed. fuel 50 F exh.
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	01/24/2025	Fuel	Gasoline
Fuel Batch ID	USCI06	Fuel Calibration Number	1
Vehicle Class	LDT2 (LVW 3751-5750, GVW 0-6000)	DF Type	Mfr. Determined
Verify Test Lab ID	3-9-6, Osawa		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4135	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	No		
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)	0.004734	--
CO (Carbon Monoxide)	0.309869	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	1.33	--
DT-EER (Drive Trace Energy Economy Rating)	0.37	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	1.91	--
HCHO (Formaldehyde)	0.000007	--
MFR FE (Manufacturer Fuel Economy)	18.780488	18.780488
NOX (Nitrogen Oxide)	0.013058	--
HC-NM (Non-methane Hydrocarbon)	0.015969	--
NMOG (Non-methane organic gases)	0.017565	--
HC-TOTAL (Total Hydrocarbon)	0.019854	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	465.044774	--

Manufacturer Test Comments --

Certification Summary Information Report

Test Group		VFJXT02.4RAB			Evaporative/Refueling Family					VFJXR01545GA		
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 ULEV50	CO	0.31	--	--	--	--	--	0.3	1.7	Pass
CA	4,000 miles	California LEV-IV ULEV50	HCHO	0.0000	--	--	--	--	--	0.000	0.016	Pass
CA	4,000 miles	California LEV-IV ULEV50	NMOG	0.0176	--	1.10	--	--	--	0.018	999.999	Pass
CA	4,000 miles	California LEV-IV ULEV50	NMOG+NOX	0.0307	--	1.10	--	--	--	0.031	0.100	Pass
CA	4,000 miles	California LEV-IV ULEV50	NOX	0.0131	--	--	--	--	--	0.013	999.999	Pass

Certification Summary Information Report

Test Group	VFJXT02.4RAB	Evaporative/Refueling Family	VFJXR01545GA
Test #	TFJX10089683	Test Procedure	11 - Cold CO
Exhaust Test # for this Evap Test	--	Test Fuel Type	28 - Cold CO E10 Regular Gasoline (Tier 3)
Test Date	01/17/2025	Fuel	Gasoline
Fuel Batch ID	UQAI04	Fuel Calibration Number	1
Vehicle Class	LDT2 (LVW 3751-5750, GVW 0-6000)	DF Type	Mfr. Determined
Verify Test Lab ID	3-9-6, Osawa		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4088	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	No		
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)	591.424236	--	
FE BAG 1 (Bag 1 Fuel Economy)	14.854452	14.854452	
CO2 BAG 2 (Bag 2 Carbon Dioxide)	518.008943	--	
FE BAG 2 (Bag 2 Fuel Economy)	17.105108	17.105108	
CO2 BAG 3 (Bag 3 Carbon Dioxide)	414.4284	--	
FE BAG 3 (Bag 3 Fuel Economy)	21.39809	21.39809	
METHANE (CH4 - Methane)	0.014036	--	
CO (Carbon Monoxide)	0.583683	--	
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.71	--	
DT-EER (Drive Trace Energy Economy Rating)	-0.23	--	
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	1	--	
MFR FE (Manufacturer Fuel Economy)	17.505442	17.505442	
NOX (Nitrogen Oxide)	0.024557	--	
HC-NM (Non-methane Hydrocarbon)	0.07709	--	
NMOG (Non-methane organic gases)	0.084799	--	
HC-TOTAL (Total Hydrocarbon)	0.089565	--	
Test Result Name	Unrounded Test Result	Verify Calculated CO2	
Carbon dioxide	504.796277	--	
Manufacturer Test Comments	--		

Certification Summary Information Report

Test Group		VFJXT02.4RAB				Evaporative/Refueling Family				VFJXR01545GA		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	50,000 miles	Federal Tier 3 Bin 50	CO	0.58	--	--	--	0.04	--	0.6	12.5	Pass
Fed	120,000 miles	Federal Tier 3 Bin 50	HC-NM	0.08	--	--	--	0.00	--	0.1	0.5	Pass
CA	50,000 miles	California LEV-IV ULEV50	CO	0.58	--	--	--	0.04	--	0.6	12.5	Pass

Certification Summary Information Report

Test Group	VFJXT02.4RAB	Evaporative/Refueling Family	VFJXR01545GA
Test #	TFJX91006424	Test Procedure	21 - Federal fuel 2-day exhaust (w/can load)
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	06/03/2025	Fuel	Gasoline
Fuel Batch ID	43732	Fuel Calibration Number	1
Vehicle Class	LDT2 (LVW 3751-5750, GVW 0-6000)	DF Type	Mfr. Determined
Verify Test Lab ID	--		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5459	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
CO2 BAG 1 (Bag 1 Carbon Dioxide)	470.5013428	--
FE BAG 1 (Bag 1 Fuel Economy)	999	--
CO2 BAG 2 (Bag 2 Carbon Dioxide)	474.1318665	--
FE BAG 2 (Bag 2 Fuel Economy)	999	--
CO2 BAG 3 (Bag 3 Carbon Dioxide)	386.0139465	--
FE BAG 3 (Bag 3 Fuel Economy)	999	--
METHANE (CH4 - Methane)	0.0035645	--
CO (Carbon Monoxide)	0.2772201	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	1.0146987	--
DT-EER (Drive Trace Energy Economy Rating)	-0.6557119	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	1.0768028	--
MFR FE (Manufacturer Fuel Economy)	999	--
NOX (Nitrogen Oxide)	0.0125948	--
N2O (Nitrous Oxide)	0.000551	--
HC-NM (Non-methane Hydrocarbon)	0.0109187	--
NMOG (Non-methane organic gases)	0.0119904	--
PM (Particulate Matter)	0.0008279	--
HC-TOTAL (Total Hydrocarbon)	0.0143717	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	9999.9999999	999

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Certification Summary Information Report

Test Group		VFJXT02.4RAB			Evaporative/Refueling Family					VFJXR01545GA		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	120,000 miles	Federal Tier 3 Bin 50	CREE	999	--	--	--	0.3	--	999	--	--
Fed	120,000 miles	Federal Tier 3 Bin 50	CREE	999	--	--	--	0.3	--	999	--	--
Fed	150,000 miles	Federal Tier 3 Bin 50	CO	0.28	--	--	--	0.13	--	0.4	1.7	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	CO-COMP	0.32	--	--	--	0.13	--	0.3	4.2	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	METHANE	0.0036	--	--	--	0.0012	--	0.005	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	METHANE	0.0036	--	--	--	0.0012	--	0.005	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	N2O	0.0006	--	--	--	0.0005	--	0.001	0.010	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	N2O	0.0006	--	--	--	0.0005	--	0.001	0.010	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	NMOG	0.0120	--	1.10	--	0.0014	--	0.013	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	NMOG+NOX	0.0246	--	1.10	--	--	--	0.028	0.050	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	NMOG+NOX-COMP	0.0255	--	1.03	--	--	--	0.026	0.060	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	NOX	0.0126	--	--	--	0.0023	--	0.015	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	PM	0.0008	--	--	--	0.0000	--	0.001	0.003	Pass
CA	120,000 miles	California LEV-IV ULEV50	CREE	999	--	--	--	0.3	--	999	--	--
CA	150,000 miles	California LEV-IV ULEV50	CO	0.28	--	--	--	0.13	--	0.4	1.7	Pass
CA	150,000 miles	California LEV-IV ULEV50	METHANE	0.0036	--	--	--	0.0012	--	0.005	0.030	Pass
CA	150,000 miles	California LEV-IV ULEV50	N2O	0.0006	--	--	--	0.0005	--	0.001	0.010	Pass
CA	150,000 miles	California LEV-IV ULEV50	NMOG	0.0120	--	1.10	--	0.0014	--	0.013	999.999	Pass
CA	150,000 miles	California LEV-IV ULEV50	NMOG+NOX	0.0246	--	1.10	--	--	--	0.028	0.050	Pass
CA	150,000 miles	California LEV-IV ULEV50	NOX	0.0126	--	--	--	0.0023	--	0.015	999.999	Pass
CA	150,000 miles	California LEV-IV ULEV50	PM	0.0008	--	--	--	0.0000	--	0.001	0.003	Pass
NOTE: For Non-charge depleting tests, the Rounded Result for CREE/OPT-CREE Emission names are Verify-calculated values.												

Certification Summary Information Report

Test Group	VFJXT02.4RAB	Evaporative/Refueling Family	VFJXR01545GA
Test #	TFJX91006428	Test Procedure	3 - HWFE
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	06/03/2025	Fuel	Gasoline
Fuel Batch ID	43732	Fuel Calibration Number	1
Vehicle Class	LDT2 (LVW 3751-5750, GVW 0-6000)	DF Type	Mfr. Determined
Verify Test Lab ID	--		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5470	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
METHANE (CH4 - Methane)	0.0005774	--
CO (Carbon Monoxide)	0.0840247	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	4.7117701	--
DT-EER (Drive Trace Energy Economy Rating)	-0.358623	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	5.4718933	--
MFR FE (Manufacturer Fuel Economy)	31.4857349	--
NOX (Nitrogen Oxide)	0.0014113	--
N2O (Nitrous Oxide)	0.000122	--
HC-NM (Non-methane Hydrocarbon)	0.0004461	--
NMOG (Non-methane organic gases)	0.0004595	--
HC-TOTAL (Total Hydrocarbon)	0.0010055	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	9999.9999999	999

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	276.2125244	--

Manufacturer Test Comments None

Certification Summary Information Report

Test Group		VFJXT02.4RAB			Evaporative/Refueling Family					VFJXR01545GA		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	120,000 miles	Federal Tier 3 Bin 50	CREE	999	--	--	--	0.0	--	999	--	--
Fed	150,000 miles	Federal Tier 3 Bin 50	NMOG	0.0005	--	1.03	--	0.0014	--	0.002	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	NMOG+NOX	0.0019	--	1.03	--	--	--	0.006	0.050	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	NOX	0.0014	--	--	--	0.0023	--	0.004	999.999	Pass
CA	120,000 miles	California LEV-IV ULEV50	CREE	999	--	--	--	0.0	--	999	--	--
CA	150,000 miles	California LEV-IV ULEV50	NMOG	0.0005	--	1.03	--	0.0014	--	0.002	999.999	Pass
CA	150,000 miles	California LEV-IV ULEV50	NMOG+NOX	0.0019	--	1.03	--	--	--	0.006	0.050	Pass
CA	150,000 miles	California LEV-IV ULEV50	NOX	0.0014	--	--	--	0.0023	--	0.004	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	VFJXT02.4RAB	Evaporative/Refueling Family	VFJXR01545GA
Test #	TFJX91006427	Test Procedure	90 - US06
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	06/03/2025	Fuel	Gasoline
Fuel Batch ID	43732	Fuel Calibration Number	1
Vehicle Class	LDT2 (LVW 3751-5750, GVW 0-6000)	DF Type	Mfr. Determined
Verify Test Lab ID	--		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5498	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
CO2 BAG 1 (Bag 1 Carbon Dioxide)	566.6177979	--
FE BAG 1 (Bag 1 Fuel Economy)	999	--
CO2 BAG 2 (Bag 2 Carbon Dioxide)	340.7396851	--
FE BAG 2 (Bag 2 Fuel Economy)	999	--
METHANE (CH4 - Methane)	0.0018082	--
CO (Carbon Monoxide)	0.2441074	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.1433765	--
DT-EER (Drive Trace Energy Economy Rating)	-0.4018832	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.030291	--
MFR FE (Manufacturer Fuel Economy)	999	--
NOX (Nitrogen Oxide)	0.0080287	--
N2O (Nitrous Oxide)	0.0013471	--
HC-NM (Non-methane Hydrocarbon)	0.0088282	--
NMOG (Non-methane organic gases)	0.0090931	--
PM (Particulate Matter)	0.0008708	--
HC-TOTAL (Total Hydrocarbon)	0.0105799	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	390.7984619	--

Manufacturer Test Comments

None Unrounded Result for the following test results were modified by Verify: MFR FE, FE BAG 2, FE BAG 1

Certification Summary Information Report

Test Group		VFJXT02.4RAB				Evaporative/Refueling Family				VFJXR01545GA		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 50	CO	0.2441	--	--	--	0.13	--	0.374	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	NMOG	0.0091	--	1.03	--	0.0014	--	0.010	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	NMOG+NOX	0.0171	--	1.03	--	--	--	0.021	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	NOX	0.0080	--	--	--	0.0023	--	0.010	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	PM	0.0009	--	--	--	0.0000	--	0.001	0.006	Pass
CA	150,000 miles	California LEV-IV ULEV50	NMOG	0.0091	--	1.03	--	0.0014	--	0.010	999.999	Pass
CA	150,000 miles	California LEV-IV ULEV50	NMOG+NOX	0.0171	--	1.03	--	--	--	0.02	0.06	Pass
CA	150,000 miles	California LEV-IV ULEV50	NOX	0.0080	--	--	--	0.0023	--	0.010	999.999	Pass
CA	150,000 miles	California LEV-IV ULEV50	PM	0.0009	--	--	--	0.0000	--	0.001	0.006	Pass

Certification Summary Information Report

Test Group	VFJXT02.4RAB	Evaporative/Refueling Family	VFJXR01545GA
Test #	TFJX10089680	Test Procedure	95 - SC03
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	01/29/2025	Fuel	Gasoline
Fuel Batch ID	USCI08	Fuel Calibration Number	1
Vehicle Class	LDT2 (LVW 3751-5750, GVW 0-6000)	DF Type	Mfr. Determined
Verify Test Lab ID	3-9-6, Osawa		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4146	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	No		
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)	0.004465	--
CO (Carbon Monoxide)	0.070517	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.17	--
DT-EER (Drive Trace Energy Economy Rating)	0.08	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.27	--
MFR FE (Manufacturer Fuel Economy)	15.553824	15.553824
NOX (Nitrogen Oxide)	0.021562	--
HC-NM (Non-methane Hydrocarbon)	0.001131	--
NMOG (Non-methane organic gases)	0.001165	--
HC-TOTAL (Total Hydrocarbon)	0.005364	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	562.183809	--

Manufacturer Test Comments --

Certification Summary Information Report

Test Group		VFJXT02.4RAB				Evaporative/Refueling Family				VFJXR01545GA		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 50	CO	0.0705	--	--	--	0.13	--	0.200	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	NMOG	0.0012	--	1.03	--	0.0014	--	0.003	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	NMOG+NOX	0.0228	--	1.03	--	--	--	0.026	999.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	NOX	0.0216	--	--	--	0.0023	--	0.024	999.999	Pass
CA	150,000 miles	California LEV-IV ULEV50	CO	0.07	--	--	--	0.13	--	0.2	1.7	Pass
CA	150,000 miles	California LEV-IV ULEV50	NMOG	0.0012	--	1.03	--	0.0014	--	0.003	999.999	Pass
CA	150,000 miles	California LEV-IV ULEV50	NMOG+NOX	0.0228	--	1.03	--	--	--	0.026	0.050	Pass
CA	150,000 miles	California LEV-IV ULEV50	NOX	0.0216	--	--	--	0.0023	--	0.024	999.999	Pass

Certification Summary Information Report

Test Group	VFJXT02.4RAB	Evaporative/Refueling Family	VFJXR01545GA						
Emission Data Vehicle Information									
Vehicle ID / Configuration	TBF-BBA61 / 0	Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	TFJXT02.4RAB	Original Evaporative/Refueling Family	TFJXR01545GA						
Original Test Vehicle Model Year	2026								
Vehicle Model									
Represented Test Vehicle Make	SUBARU	Represented Test Vehicle Model	OUTBACK WILDERNESS AWD						
Leak Family Details									
Leak Family Identifier	5GA	Leak Family Name	TFJXR01545GA-5GA						
Drive Sources and Fuel System Details									
	<table border="1"> <tr> <th>Drive Source and Fuel#</th><th>Drive Source</th><th>Fuel</th></tr> <tr> <td>1</td><td>Combustion Engine</td><td>Gasoline</td></tr> </table>	Drive Source and Fuel#	Drive Source	Fuel	1	Combustion Engine	Gasoline		
Drive Source and Fuel#	Drive Source	Fuel							
1	Combustion Engine	Gasoline							
Hybrid Indicator	No								
Multiple Fuel Storage	--	Multiple Fuel Combustion	--						
Fuel Cell Indicator	--	Rechargeable Energy Storage System Indicator	--						
Rechargeable Energy Storage System	--	Rechargeable Energy Storage System, if 'Other'	--						
Off-board charge Capable Indicator	--								
Odometer Correction -- Initial	0	Odometer Correction Factor	0.9889						
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor								
Odometer Correction Units	Miles								
Engine Code	24DTR1	Rated Horsepower	260						
Displacement (liters)	2.4								
Air Aspiration Method	Turbocharged	Air Aspiration Method, if 'Other'							
Number of Air Aspiration Devices	1	Air Aspiration Device Configuration	Single						
Charge Air Cooler Type	Air	Drive Mode While Testing	2-Wheel Drive, Front						
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)						
Curb Weight (lbs)	4014	Equivalent Test Weight (pounds)	4250						
GVWR (lbs)	5143	N/V Ratio	25.7						
Axle Ratio	4.11								
Transmission Type	Selectable Continuously Variable (e.g. CVT with paddles)	# of Transmission Gears	8						
Transmission Lockup	Yes	Creep Gear	No						

Certification Summary Information Report

Test Group		VFJXT02.4RAB			Evaporative/Refueling Family		VFJXR01545GA	
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	35.36	0.3908	0.02329	16.55	0.121	0.02444	15.1	
US06	35.36	0.3908	0.02329	16.55	0.121	0.02444	N/A	
Emission Control Device Comments		--						
Manufacturer Test Vehicle Comments		Tire size: 225/65R17. US06 coefficients are added because this vehicle is selected for the EPA confirmatory test.						

Certification Summary Information Report

Test Group	VFJXT02.4RAB	Evaporative/Refueling Family	VFJXR01545GA
Test #	TFJX91006401	Test Procedure	2 - CVS 75 and later (w/o can. load)
Exhaust Test # for this Evap Test	--	Test Fuel Type	61 - Tier 2 Cert Gasoline
Test Date	05/23/2025	Fuel	Gasoline
Fuel Batch ID	29351	Fuel Calibration Number	1
Vehicle Class	LDT2 (LVW 3751-5750, GVW 0-6000)	DF Type	Mfr. Determined
Verify Test Lab ID	--		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5368	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
CO2 BAG 1 (Bag 1 Carbon Dioxide)	397.8055115	--
FE BAG 1 (Bag 1 Fuel Economy)	22.290453	--
CO2 BAG 2 (Bag 2 Carbon Dioxide)	326.1069946	--
FE BAG 2 (Bag 2 Fuel Economy)	27.3135319	--
CO2 BAG 3 (Bag 3 Carbon Dioxide)	306.2268677	--
FE BAG 3 (Bag 3 Fuel Economy)	29.0893726	--
METHANE (CH4 - Methane)	0.0056404	--
CO (Carbon Monoxide)	0.3289514	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.856644	--
DT-EER (Drive Trace Energy Economy Rating)	0.1841119	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	1.5353482	--
MFR FE (Manufacturer Fuel Economy)	26.5192642	--
NOX (Nitrogen Oxide)	0.0139473	--
N2O (Nitrous Oxide)	0.0010417	--
HC-NM (Non-methane Hydrocarbon)	0.0100976	--
NMOG (Non-methane organic gases)	0.0105015	--
PM (Particulate Matter)	0.0009288	--
HC-TOTAL (Total Hydrocarbon)	0.0155615	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	9999.9999999	337

Certification Summary Information Report

Test Group		VFJXT02.4RAB				Evaporative/Refueling Family				VFJXR01545GA		
		Test Result Name		Unrounded Test Result			Verify Calculated CO2					
		Carbon dioxide		335.5109558			--					
Manufacturer Test Comments		None										
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	120,000 miles	Federal Tier 3 Bin 50	CREE	337	--	--	--	0.3	--	337	--	--
Fed	150,000 miles	Federal Tier 3 Bin 50	METHANE	0.0056	--	--	--	0.0012	--	0.007	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 50	N2O	0.0010	--	--	--	0.0005	--	0.002	0.010	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	VFJXT02.4RAB	Evaporative/Refueling Family	VFJXR01545GA
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Emission Data Vehicle Information

Vehicle ID / Configuration	TBV-BBA6 / 0	Manufacturer Vehicle Configuration Number	0
Original Test Group Name	TFJXT02.4RAB	Original Evaporative/Refueling Family	TFJXR01545GA
Original Test Vehicle Model Year	2026		

Vehicle Model

Represented Test Vehicle Make	SUBARU	Represented Test Vehicle Model	OUTBACK WILDERNESS AWD
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Leak Family Details

Leak Family Identifier	5GA	Leak Family Name	TFJXR01545GA-5GA
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Drive Sources and Fuel System Details

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

Hybrid Indicator	No	Multiple Fuel Combustion	--
Multiple Fuel Storage	--	Rechargeable Energy Storage System Indicator	--
Fuel Cell Indicator	--	Rechargeable Energy Storage System, if 'Other'	--
Rechargeable Energy Storage System	--		
Off-board charge Capable Indicator	--		
Odometer Correction -- Initial	0	Odometer Correction Factor	0.9922
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor		
Odometer Correction Units	Miles		
Engine Code	24DTR1	Rated Horsepower	260
Displacement (liters)	2.4		
Air Aspiration Method	Turbocharged	Air Aspiration Method, if 'Other'	
Number of Air Aspiration Devices	1	Air Aspiration Device Configuration	Single
Charge Air Cooler Type	Air	Drive Mode While Testing	2-Wheel Drive, Front
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)
Curb Weight (lbs)	4014	Equivalent Test Weight (pounds)	4250
GVWR (lbs)	5143	N/V Ratio	25.7
Axle Ratio	4.11		
Transmission Type	Selectable Continuously Variable (e.g. CVT with paddles)	# of Transmission Gears	8
Transmission Lockup	Yes	Creep Gear	No

Dynamometer Coefficients:

Target Coefficients				Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	
City/Highway/Evap	35.36	0.3908	0.02329	15.72	0.1517	0.02374	15.1

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Certification Summary Information Report

Test Group	VFJXT02.4RAB	Evaporative/Refueling Family	VFJXR01545GA
Test #	TFJX10089726	Test Procedure	35 - California fuel 3-day exhaust
Exhaust Test # for this Evap Test	--	Test Fuel Type	51 - CARB LEV4 E10 Regular Gasoline
Test Date	02/04/2025	Fuel	N/A
Fuel Batch ID	AKAE03	Fuel Calibration Number	1
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	1100, Toyoshirochou		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4056	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	No		
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)	380.895028	--
FE BAG 1 (Bag 1 Fuel Economy)	22.834391	22.834391
CO2 BAG 2 (Bag 2 Carbon Dioxide)	313.953755	--
FE BAG 2 (Bag 2 Fuel Economy)	27.841598	27.841598
CO2 BAG 3 (Bag 3 Carbon Dioxide)	295.008846	--
FE BAG 3 (Bag 3 Fuel Economy)	29.623046	29.623046
METHANE (CH4 - Methane)	0.006188	--
CO (Carbon Monoxide)	0.459459	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.78	--
DT-EER (Drive Trace Energy Economy Rating)	-0.9	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.94	--
MFR FE (Manufacturer Fuel Economy)	27.03071	27.03071
NOX (Nitrogen Oxide)	0.011091	--
N2O (Nitrous Oxide)	0.000867	--
HC-NM (Non-methane Hydrocarbon)	0.007821	--
NMOG (Non-methane organic gases)	0.008603	--
PM (Particulate Matter)	0.000454	--
HC-TOTAL (Total Hydrocarbon)	0.013487	--

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Certification Summary Information Report

Test Group	VFJXT02.4RAB	Evaporative/Refueling Family	VFJXR01545GA
Test #	TFJX10089727	Test Procedure	21 - Federal fuel 2-day exhaust (w/can load)
Exhaust Test # for this Evap Test	--	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)
Test Date	01/30/2025	Fuel	N/A
Fuel Batch ID	AGBE01	Fuel Calibration Number	1
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	1100, Toyoshirochou		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4016	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	No		
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)	383.686343	--
FE BAG 1 (Bag 1 Fuel Economy)	22.666193	22.666193
CO2 BAG 2 (Bag 2 Carbon Dioxide)	315.73626	--
FE BAG 2 (Bag 2 Fuel Economy)	27.655788	27.655788
CO2 BAG 3 (Bag 3 Carbon Dioxide)	296.55526	--
FE BAG 3 (Bag 3 Fuel Economy)	29.410715	29.410715
METHANE (CH4 - Methane)	0.004296	--
CO (Carbon Monoxide)	0.304405	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.64	--
DT-EER (Drive Trace Energy Economy Rating)	-0.54	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.39	--
MFR FE (Manufacturer Fuel Economy)	26.86024	26.86024
NOX (Nitrogen Oxide)	0.011142	--
N2O (Nitrous Oxide)	0.001066	--
HC-NM (Non-methane Hydrocarbon)	0.008051	--
NMOG (Non-methane organic gases)	0.008857	--
PM (Particulate Matter)	0.000451	--
HC-TOTAL (Total Hydrocarbon)	0.011888	--

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Certification Summary Information Report

Test Group	VFJXT02.4RAB	Evaporative/Refueling Family	VFJXR01545GA
Test #	TFJX10089728	Test Procedure	25 - California fuel 2-day exhaust (w/can load)
Exhaust Test # for this Evap Test	--	Test Fuel Type	51 - CARB LEV4 E10 Regular Gasoline
Test Date	01/23/2025	Fuel	N/A
Fuel Batch ID	AKAE02	Fuel Calibration Number	1
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	1100, Toyoshirochou		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3976	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	No		
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)	380.310113	--
FE BAG 1 (Bag 1 Fuel Economy)	22.892688	22.892688
CO2 BAG 2 (Bag 2 Carbon Dioxide)	314.070745	--
FE BAG 2 (Bag 2 Fuel Economy)	27.848667	27.848667
CO2 BAG 3 (Bag 3 Carbon Dioxide)	292.789665	--
FE BAG 3 (Bag 3 Fuel Economy)	29.853122	29.853122
METHANE (CH4 - Methane)	0.00543	--
CO (Carbon Monoxide)	0.383881	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	1.08	--
DT-EER (Drive Trace Energy Economy Rating)	-0.47	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	1.34	--
MFR FE (Manufacturer Fuel Economy)	27.124895	27.124895
NOX (Nitrogen Oxide)	0.009892	--
N2O (Nitrous Oxide)	0.000657	--
HC-NM (Non-methane Hydrocarbon)	0.009008	--
NMOG (Non-methane organic gases)	0.009909	--
PM (Particulate Matter)	0.000362	--
HC-TOTAL (Total Hydrocarbon)	0.01402	--

Certification Summary Information Report

Test Group	VFJXT02.4RAB	Evaporative/Refueling Family	VFJXR01545GA
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Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	322.639544	999
Optional Carbon-Related Exhaust Emissions	322.967943	999

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	321.954422	--

Manufacturer Test Comments --

Test #	TFJX10089729	Test Procedure	38 - CA fuel 3-day evap.
Exhaust Test # for this Evap Test	TFJX10089726	Test Fuel Type	51 - CARB LEV4 E10 Regular Gasoline
Test Date	02/04/2025	Fuel	Gasoline
Fuel Batch ID	AKAE03	Fuel Calibration Number	1
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	1100, Toyoshirochou		
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)		
Test Start Odometer Reading	4085	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	No		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	No

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.202275	--

Manufacturer Test Comments --

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	Add DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Evap	HC-TOTAL-EQUIV	0.2023	0.0000	0.202	0.300	Pass
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.2023	0.0000	0.202	0.300	Pass

Certification Summary Information Report

Test Group	VFJXT02.4RAB	Evaporative/Refueling Family	VFJXR01545GA
Test #	TFJX10089730	Test Procedure	27 - California fuel 2-day evap
Exhaust Test # for this Evap Test	TFJX10089728	Test Fuel Type	51 - CARB LEV4 E10 Regular
Test Date	01/23/2025	Fuel	Gasoline
Fuel Batch ID	AKAE02	Fuel Calibration Number	1
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	1100, Toyoshirochou		
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)		
Test Start Odometer Reading	3987	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--
State of Charge Delta	No		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	No

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.12927	--

Manufacturer Test Comments --

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	Add DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Evap	HC-TOTAL-EQUIV	0.1293	0.0000	0.129	0.300	Pass
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.1293	0.0000	0.129	0.300	Pass

Certification Summary Information Report

Test Group	VFJXT02.4RAB	Evaporative/Refueling Family	VFJXR01545GA						
Test #	TFJX10089731	Test Procedure	24 - Federal fuel refueling test (ORVR)						
Exhaust Test # for this Evap Test	TFJX10089727	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)						
Test Date	01/31/2025	Fuel	Gasoline						
Fuel Batch ID	AGBE01	Fuel Calibration Number	1						
Vehicle Class	N/A	DF Type	Mfr. Determined						
Verify Test Lab ID	1100, Toyoshirochou								
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)								
Test Start Odometer Reading	4045	Odometer Units	M						
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--						
State of Charge Delta	No								
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	No						
Test Results									
<table border="1"> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value (miles per gallon)</th> </tr> <tr> <td>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</td> <td>0.002195</td> <td>--</td> </tr> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.002195	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)							
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.002195	--							
Manufacturer Test Comments --									
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	Add DF	Certification Level	Standard	Pass/Fail	
Fed	150,000 miles	Federal Tier 3 Evap	HC-TOTAL-EQUIV	0.002	0.0009	0.00	0.20	Pass	
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.002	0.0009	0.00	0.20	Pass	

Certification Summary Information Report

Test Group	VFJXT02.4RAB	Evaporative/Refueling Family	VFJXR01545GA						
Test #	TFJX10089732	Test Procedure	37 - California Fuel Running Loss						
Exhaust Test # for this Evap Test	TFJX10089726	Test Fuel Type	51 - CARB LEV4 E10 Regular Gasoline						
Test Date	02/04/2025	Fuel	Gasoline						
Fuel Batch ID	AKAE03	Fuel Calibration Number	1						
Vehicle Class	N/A	DF Type	Mfr. Determined						
Verify Test Lab ID	1100, Toyoshirochou								
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)								
Test Start Odometer Reading	4067	Odometer Units	M						
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--						
State of Charge Delta	No								
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> <td>Test Result Name</td> <td>Unrounded Test Result</td> <td>Verify Calculated FE Equivalent Value (miles per gallon)</td> </tr> <tr> <td>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</td> <td>0.000128</td> <td>--</td> </tr> </table>				Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.000128	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)							
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.000128	--							
Manufacturer Test Comments --									
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	Add DF	Certification Level	Standard	Pass/Fail	
Fed	150,000 miles	Federal Tier 3 Evap	HC-TOTAL-EQUIV	0.000	0.0000	0.00	0.05	Pass	
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.000	0.0000	0.00	0.01	Pass	

Certification Summary Information Report

Test Group	VFJXT02.4RAB	Evaporative/Refueling Family	VFJXR01545GA						
Test #	TFJX10089733	Test Procedure	65 - Evap Canister Bleed Test						
Exhaust Test # for this Evap Test	--	Test Fuel Type	51 - CARB LEV4 E10 Regular Gasoline						
Test Date	02/12/2025	Fuel	Gasoline						
Fuel Batch ID	AKAE03	Fuel Calibration Number	1						
Vehicle Class	N/A	DF Type	Mfr. Determined						
Verify Test Lab ID	1100, Toyoshirochou								
E10 Evaporative Test Measurement Method	Actual Total Hydrocarbon Equivalent Measurement (with speciation)								
Test Start Odometer Reading	4106	Odometer Units	M						
4WD Test Dyno	No	Diesel Adjustment Factor Usage	--						
State of Charge Delta	No								
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	No						
Test Results									
<table border="1"> <thead> <tr> <th>Test Result Name</th> <th>Unrounded Test Result</th> <th>Verify Calculated FE Equivalent Value (miles per gallon)</th> </tr> </thead> <tbody> <tr> <td>HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)</td> <td>0.008978</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)	0.008978	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)							
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.008978	--							
Manufacturer Test Comments --									
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	Add DF	Certification Level	Standard	Pass/Fail	
Fed	150,000 miles	Federal Tier 3 Evap	HC-TOTAL-EQUIV	0.0090	0.0000	0.009	0.020	Pass	
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.0090	0.0000	0.009	0.020	Pass	

Certification Summary Information Report

Test Group	VFJXT02.4RAB	Evaporative/Refueling Family	VFJXR01545GA
Fuel Properties			
Fuel Batch ID	43732	Fuel Calibration Number	1
Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	05/08/2025
Fuel Batch Calibration Effective Date	05/08/2025	Fuel Batch Calibration Ineffective Date	--
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.749
Fuel Ethanol Volume Percent (%)	9.6	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17885
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.828	Weight Fraction CO2	--
Fuel Batch ID	AKAE02	Fuel Calibration Number	1
Test Fuel Type	51 - CARB LEV4 E10 Regular Gasoline	Fuel Batch Calibration Date	02/28/2024
Fuel Batch Calibration Effective Date	01/09/2025	Fuel Batch Calibration Ineffective Date	02/08/2025
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	0.83	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.752
Fuel Ethanol Volume Percent (%)	9.4	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17832
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.83	Weight Fraction CO2	--
Fuel Batch ID	AKAE03	Fuel Calibration Number	1
Test Fuel Type	51 - CARB LEV4 E10 Regular Gasoline	Fuel Batch Calibration Date	02/28/2024
Fuel Batch Calibration Effective Date	01/24/2025	Fuel Batch Calibration Ineffective Date	02/23/2025
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	0.83	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.752
Fuel Ethanol Volume Percent (%)	9.4	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17832
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.83	Weight Fraction CO2	--
Fuel Batch ID	USCI08	Fuel Calibration Number	1
Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	05/03/2024
Fuel Batch Calibration Effective Date	01/27/2025	Fuel Batch Calibration Ineffective Date	02/27/2025
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--

Certification Summary Information Report

Test Group	VFJXT02.4RAB	Evaporative/Refueling Family	VFJXR01545GA
Exhaust Carbon Weight Fraction	0.833	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.752
Fuel Ethanol Volume Percent (%)	9.8	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17969
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.833	Weight Fraction CO2	--
Fuel Batch ID	AGBE01	Fuel Calibration Number	1
Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	05/03/2024
Fuel Batch Calibration Effective Date	01/20/2025	Fuel Batch Calibration Ineffective Date	02/19/2025
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	0.833	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.752
Fuel Ethanol Volume Percent (%)	9.8	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17969
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.833	Weight Fraction CO2	--
Fuel Batch ID	UQAI04	Fuel Calibration Number	1
Test Fuel Type	28 - Cold CO E10 Regular Gasoline (Tier 3)	Fuel Batch Calibration Date	09/02/2021
Fuel Batch Calibration Effective Date	01/13/2025	Fuel Batch Calibration Ineffective Date	02/13/2025
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	0.832	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.744
Fuel Ethanol Volume Percent (%)	9.7	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17403
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.832	Weight Fraction CO2	--
Fuel Batch ID	USCI06	Fuel Calibration Number	1
Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	05/03/2024
Fuel Batch Calibration Effective Date	01/16/2025	Fuel Batch Calibration Ineffective Date	02/16/2025
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	0.833	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.752
Fuel Ethanol Volume Percent (%)	9.8	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17969
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--

Certification Summary Information Report

Test Group	VFJXT02.4RAB	Evaporative/Refueling Family	VFJXR01545GA
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.833	Weight Fraction CO2	--
Fuel Batch ID	29351	Fuel Calibration Number	1
Test Fuel Type	61 - Tier 2 Cert Gasoline	Fuel Batch Calibration Date	05/03/2023
Fuel Batch Calibration Effective Date	05/03/2023	Fuel Batch Calibration Ineffective Date	--
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.742
Fuel Ethanol Volume Percent (%)	--	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)	0.867	Weight Fraction CO2	--

Certification Summary Information Report

Test Group		VFJXT02.4RAB			Evaporative/Refueling Family			VFJXR01545GA	
Consolidated List of Standards									
Exhaust Standards									
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDT2 (LVW 3751-5750, GVW 0-6000)			Standard Level			Federal Tier 3 Bin 50	
Fuel		Gasoline			Test Procedure			Federal fuel 2-day exhaust (w/can load)	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
120,000 miles	CREE	--	--	--	--	--	--	0.3	999.9999
120,000 miles	CREE	--	--	--	--	--	--	0.3	999.9999
120,000 miles	OPT-CREE	--	--	--	--	--	--	0.5	999.9999
120,000 miles	OPT-CREE	--	--	--	--	--	--	0.5	999.9999
150,000 miles	CO	--	--	--	--	--	--	0.13	1.7
150,000 miles	CO-COMP	--	--	--	--	--	--	0.13	4.2
150,000 miles	HCHO	--	--	--	--	--	--	0.0000	0.004
150,000 miles	METHANE	--	--	--	--	--	--	0.0012	0.030
150,000 miles	METHANE	--	--	--	--	--	--	0.0012	0.030
150,000 miles	N2O	--	--	--	--	--	--	0.0005	0.010
150,000 miles	N2O	--	--	--	--	--	--	0.0005	0.010
150,000 miles	NMOG	--	--	1.10	--	--	--	0.0014	999.999
150,000 miles	NMOG+NOX	--	--	1.10	--	--	1	--	0.050
150,000 miles	NMOG+NOX-COMP	--	--	1.03	--	--	--	--	0.060
150,000 miles	NOX	--	--	--	--	--	--	0.0023	999.999
150,000 miles	PM	--	--	--	--	--	--	0.0000	0.003
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDT2 (LVW 3751-5750, GVW 0-6000)			Standard Level			California LEV-IV ULEV50	
Fuel		Gasoline			Test Procedure			Cold CO	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
50,000 miles	CO	--	--	--	--	--	--	0.04	12.5

Certification Summary Information Report

Test Group		VFJXT02.4RAB			Evaporative/Refueling Family			VFJXR01545GA	
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDT2 (LVW 3751-5750, GVW 0-6000)			Standard Level			California LEV-IV ULEV50	
Fuel		Gasoline			Test Procedure			HWFE	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
120,000 miles	CREE	--	--	--	--	--	--	0.0	999.9999
120,000 miles	OPT-CREE	--	--	--	--	--	--	0.1	999.9999
150,000 miles	NMOG	--	--	1.03	--	--	--	0.0014	999.999
150,000 miles	NMOG+NOX	--	--	1.03	--	--	1	--	0.050
150,000 miles	NOX	--	--	--	--	--	--	0.0023	999.999

Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDT2 (LVW 3751-5750, GVW 0-6000)			Standard Level			Federal Tier 3 Bin 50	
Fuel		Gasoline			Test Procedure			SC03	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	--	0.13	999.999
150,000 miles	NMOG	--	--	1.03	--	--	--	0.0014	999.999
150,000 miles	NMOG+NOX	--	--	1.03	--	--	1	--	999.999
150,000 miles	NOX	--	--	--	--	--	--	0.0023	999.999

Certification Summary Information Report

Test Group		VFJXT02.4RAB			Evaporative/Refueling Family			VFJXR01545GA	
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDT2 (LVW 3751-5750, GVW 0-6000)			Standard Level			California LEV-IV ULEV50	
Fuel		Gasoline			Test Procedure			Federal fuel 2-day exhaust (w/can load)	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
120,000 miles	CREE	--	--	--	--	--	--	0.3	999.9999
120,000 miles	OPT-CREE	--	--	--	--	--	--	0.5	999.9999
150,000 miles	CO	--	--	--	--	--	--	0.13	1.7
150,000 miles	HCHO	--	--	--	--	--	--	0.0000	0.004
150,000 miles	METHANE	--	--	--	--	--	--	0.0012	0.030
150,000 miles	N2O	--	--	--	--	--	--	0.0005	0.010
150,000 miles	NMOG	--	--	1.10	--	--	--	0.0014	999.999
150,000 miles	NMOG+NOX	--	--	1.10	--	--	1	--	0.050
150,000 miles	NOX	--	--	--	--	--	--	0.0023	999.999
150,000 miles	PM	--	--	--	--	--	--	0.0000	0.003

Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDT2 (LVW 3751-5750, GVW 0-6000)			Standard Level			Federal Tier 3 Bin 50	
Fuel		Gasoline			Test Procedure			HWFE	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
120,000 miles	CREE	--	--	--	--	--	--	0.0	999.9999
120,000 miles	OPT-CREE	--	--	--	--	--	--	0.1	999.9999
150,000 miles	NMOG	--	--	1.03	--	--	--	0.0014	999.999
150,000 miles	NMOG+NOX	--	--	1.03	--	--	1	--	0.050
150,000 miles	NOX	--	--	--	--	--	--	0.0023	999.999

Certification Summary Information Report

Test Group		VFJXT02.4RAB			Evaporative/Refueling Family			VFJXR01545GA	
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDT2 (LVW 3751-5750, GVW 0-6000)			Standard Level			California LEV-IV ULEV50	
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	--	--	--	--	--	--	--	1.7
4,000 miles	HCHO	--	--	--	--	--	--	--	0.016
4,000 miles	NMOG	--	--	1.10	--	--	--	--	999.999
4,000 miles	NMOG+NOX	--	--	1.10	--	--	1	--	0.100
4,000 miles	NOX	--	--	--	--	--	--	--	999.999
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDT2 (LVW 3751-5750, GVW 0-6000)			Standard Level			Federal Tier 3 Bin 50	
Fuel		Gasoline			Test Procedure			CVS 75 and later (w/o can. load)	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
120,000 miles	CREE	--	--	--	--	--	--	0.3	999.9999
120,000 miles	OPT-CREE	--	--	--	--	--	--	0.5	999.9999
150,000 miles	METHANE	--	--	--	--	--	--	0.0012	0.030
150,000 miles	N2O	--	--	--	--	--	--	0.0005	0.010
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDT2 (LVW 3751-5750, GVW 0-6000)			Standard Level			Federal Tier 3 Bin 50	
Fuel		Gasoline			Test Procedure			US06	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	--	0.13	999.999
150,000 miles	NMOG	--	--	1.03	--	--	--	0.0014	999.999
150,000 miles	NMOG+NOX	--	--	1.03	--	--	1	--	999.999
150,000 miles	NOX	--	--	--	--	--	--	0.0023	999.999
150,000 miles	PM	--	--	--	--	--	--	0.0000	0.006

Certification Summary Information Report

Test Group		VFJXT02.4RAB			Evaporative/Refueling Family			VFJXR01545GA	
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDT2 (LVW 3751-5750, GVW 0-6000)			Standard Level			California LEV-IV ULEV50	
Fuel		Gasoline			Test Procedure			SC03	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	--	0.13	1.7
150,000 miles	NMOG	--	--	1.03	--	--	--	0.0014	999.999
150,000 miles	NMOG+NOX	--	--	1.03	--	--	1	--	0.050
150,000 miles	NOX	--	--	--	--	--	--	0.0023	999.999

Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDT2 (LVW 3751-5750, GVW 0-6000)			Standard Level			California LEV-IV ULEV50	
Fuel		Gasoline			Test Procedure			US06	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	--	--	9.6
150,000 miles	NMOG	--	--	1.03	--	--	--	0.0014	999.999
150,000 miles	NMOG+NOX	--	--	1.03	--	--	1	--	0.06
150,000 miles	NOX	--	--	--	--	--	--	0.0023	999.999
150,000 miles	PM	--	--	--	--	--	--	0.0000	0.006

Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDT2 (LVW 3751-5750, GVW 0-6000)			Standard Level			Federal Tier 3 Bin 50	
Fuel		Gasoline			Test Procedure			Cold CO	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
50,000 miles	CO	--	--	--	--	--	--	0.04	12.5
120,000 miles	HC-NM	--	--	--	--	--	--	0.00	0.5

Evaporative/Refueling Standards

Certification Summary Information Report

Test Group		VFJXT02.4RAB		Evaporative/Refueling Family		VFJXR01545GA	
Evaporative/Refueling Family		VFJXR01545GA		Cert Region		Federal	
Cert/In-Use Code		Cert		Standard Level		Federal Tier 3 Evap	
Test Procedure		CA fuel 3-day evap.					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.300	0.0000		
Evaporative/Refueling Family		VFJXR01545GA		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Cert		Standard Level		California LEV-IV Zero Evap (Option 2)	
Test Procedure		CA fuel 3-day evap.					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.300	0.0000		
Evaporative/Refueling Family		VFJXR01545GA		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Cert		Standard Level		California LEV-IV Zero Evap (Option 2)	
Test Procedure		Evap Canister Bleed Test					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.020	0.0000		
Evaporative/Refueling Family		VFJXR01545GA		Cert Region		Federal	
Cert/In-Use Code		Cert		Standard Level		Federal Tier 3 Evap	
Test Procedure		Federal fuel refueling test (ORVR)					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.20	0.0009		
Evaporative/Refueling Family		VFJXR01545GA		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Cert		Standard Level		California LEV-IV Zero Evap (Option 2)	
Test Procedure		Federal fuel refueling test (ORVR)					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.20	0.0009		

Certification Summary Information Report

Test Group		VFJXT02.4RAB		Evaporative/Refueling Family		VFJXR01545GA	
Evaporative/Refueling Family		VFJXR01545GA		Cert Region		Federal	
Cert/In-Use Code		Cert		Standard Level		Federal Tier 3 Evap	
Test Procedure		California Fuel Running Loss					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.05	0.0000		
Evaporative/Refueling Family		VFJXR01545GA		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Cert		Standard Level		California LEV-IV Zero Evap (Option 2)	
Test Procedure		California fuel 2-day evap					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.300	0.0000		
Evaporative/Refueling Family		VFJXR01545GA		Cert Region		Federal	
Cert/In-Use Code		Cert		Standard Level		Federal Tier 3 Evap	
Test Procedure		Evap Canister Bleed Test					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.020	0.0000		
Evaporative/Refueling Family		VFJXR01545GA		Cert Region		Federal	
Cert/In-Use Code		Cert		Standard Level		Federal Tier 3 Evap	
Test Procedure		California fuel 2-day evap					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.300	0.0000		
Evaporative/Refueling Family		VFJXR01545GA		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Cert		Standard Level		California LEV-IV Zero Evap (Option 2)	
Test Procedure		California Fuel Running Loss					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.01	0.0000		

Certification Summary Information Report

Test Group		VFJXT02.4RAB	Evaporative/Refueling Family	VFJXR01545GA
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		VFJXT02.4RAB	Evaporative/Refueling Family		VFJXR01545GA
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		VFJXT02.4RAB	Evaporative/Refueling Family		VFJXR01545GA
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		VFJXT02.4RAB	Evaporative/Refueling Family		VFJXR01545GA
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 7 Test Results

7-2 EPA Litmus Test Results

Test Group	Vehicle Number	City				Highway			
TFJXT02.4RAB	TBE-BBA6, Config. 0	5-cycle calc'd	Derived 5-cycle	Criterion 4%	Result	5-cycle calc'd	Derived 5-cycle	Criterion 5%	Result
		15.7	15.7	15.0	Derived	23.2	22.6	21.5	Derived

Section 8 Emission Compliance Statements

Refer to Common Section, Section 8.

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Section 9 On-Board Diagnostic (OBD II) Description

9-1 General Description

Refer to Common Section, Section 9.

9-2 Deficiency and Concern Information

Refer to Common Section, Section 9.

9-3 OBD Application

Refer to Common Section, Section 9.

9-4 OBD Statement

Refer to Common Section, Section 9.

9-5 OBD Table

Refer to Common Section, Section 9.

9-6 CARB Approval Letter

Refer to CBI Test Group Section.

Section 10 Description of Alternate-Fueled Vehicles

Refer to Common Section, Section 10..

Section 11 AECD Description

Refer to Common Section, Section 11.

Section 12 Description of Vehicle Covered by Certificate and Test Parameter

12-1 Vehicle Parameters

Test Group: VFJXT02.4RAB

Durability Group: VFJXGPGNNNEM

Evaporative/Refueling Family: VFJXR01545GA

Carline		OUTBACK	OUTBACK WILDERNESS
Model Name		OUTBACK	
Vehicle classification		LDT2	
Emission Control System Description	Type, number and configuration of catalysts	Three-way catalyst (2), Front & Rear	
	Catalyst Code	PFTB(Front) / PRTB(Rear)	
	EGR type	EEGR = Electronic/Electric	
	Air pump type	Not equipped	
	Fuel system type	DFI	
	Intake air aspiration method	Single stage Turbocharged	
Engine Code		24DTR1	
Number of valves per cylinder		4	
Engine displacement(cc)		2387	
Sales area		50 states	
Transmission code		26	27
SIL		Not equipped	
Tire size		225/55R19	225/65R17(All Terrain)
N/V Ratio		23.4 (225/55R19)	25.7 (225/65R17)
ETW (lbs)		4250	
Dynamometer TRLHP Target coefficients		Refer to Common Section, Section 12	
Fuel Tank Volume		68 L (18.0 gal)	

12-2 Test Parameters

Refer to Common Section, Section 12.

Section 13 Projected Sales

Refer to Common Section, Section 13.

Section 14 Request for Certification

Durability Group: VFJXGPGNNEM

Test Group: VFJXT02.4RAB

Evaporative/Refueling Family: VFJXR01545GA

SUBARU CORPORATION request that EPA/CARB issue a 2027 model year certificate of conformity and Executive Order for the above-specified test group and evaporative family combinations as described in this application.

This combination complies with all applicable regulations contained within 40 CFR Part 85, 86, 600, 1065 and 1066, if applicable, within Title 13 of the California Code of Regulations.

The exhaust and evaporative emission test results listed in Section 7 support this request for certificate.

The application is current as of this date.

SUBARU CORPORATION



Mitsunari Shirasaka

General Manager

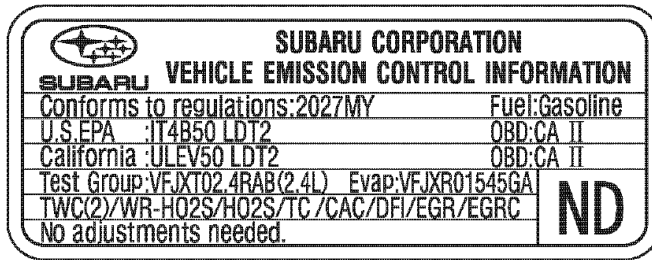
Certification and Engineering Dept.

Section 15 Other Information

15-1 Vehicle Emission Control Information Label

For OUTBACK and OUTBACK WILDERNESS

PART NUMBER: 14808AK310



Location : The Vehicle Emission Control Information (VECI) label is attached to the underside of the engine compartment hood.

Section 15 Other Information

15-2 Fee Filling Form

Refer to the next page.

15-3 Recharging Procedures

Refer to CBI Test Group Section.

15-4 Methods used to determine battery performance and test procedure information

Refer to CBI Test Group Section.

Lindsey Jeng NASI MI

From: notification@pay.gov
Sent: Friday, March 6, 2026 9:31 AM
To: Lindsey Jeng NASI MI
Subject: Pay.gov Payment Confirmation: Motor Vehicle and Engine Compliance Program Fees



An official email of the United States government



Your payment has been submitted to the designated government agency through Pay.gov and the details are below. Please note that this is just a confirmation of transaction submission. To confirm that the payment processed as expected, you may refer to your bank statement on the scheduled payment date. If you have any questions or wish to cancel this payment, you will need to contact the agency you paid at your earliest convenience.

You will receive a reminder email several days before the payment is processed.
If you wish to cancel this transaction, sign in to your account at <https://www.pay.gov/> and choose the Pending tab of the Payment Activity page.

Application Name: Motor Vehicle and Engine Compliance Program Fees
Pay.gov Tracking ID: 2807U8EV
Agency Tracking ID: 77318678434

Account Holder Name: Lindsey Jeng
Transaction Type: ACH Debit
Transaction Amount: \$32,317.00
Payment Date: 03/09/2026

Account Type: Business Checking
Routing Number: 072000096
Account Number: *****3414

Transaction Date: 03/06/2026 09:30:36 AM EST
Total Payments Scheduled: 1
Frequency: OneTime

Engine Family: VFJXT02.4RAB
ICI VIN Number:
Process Code: New

THIS IS AN AUTOMATED MESSAGE. PLEASE DO NOT REPLY.



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Section 16 California ARB Information

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16-1	CARB Compliance Statement (Refer to Common Section)
16-2	Specifications for Filler Pipes and Openings (Refer to Common Section)
16-3	Compliance with Fleet Average Requirement (Refer to Common Section)
16-4	Maintenance and Diagnostic Procedures (Refer to Common Section)
16-5	Manuals and Bulletins/ Maintenance Log (Refer to Common Section)
16-6	New Emission Control Technology (Refer to Common Section)
16-7	Supplemental Data Sheet
16-8	Traction Battery Label

Note: Detailed information for certification is also submitted by E-Cert.

16-7 Supplemental Data Sheet

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: SUBARU CORPORATION Test Group: VFJXT02.4RAB Evap Fam: VFJXR01545GA

Engine Code Types: CA_ 49S_ 50S_ x AB965_ ORVR: YES_ x NO _____

Exhaust Std: CA Tier-1_ TLEV_ LEV 4_ ULEV_ 50 x SULEV_ LEV3_ SULEV30_ US EPA Interim Tier4 Bin50

Veh Class: PC_ LDT1_ LDT2_ x MDV1_ MDV2_ MDV3_ MDV4_ MDV5 _____

Single Cert Std for Multi-Class Test Group: N/A (specify: N/A, LDT1, MDV1, MDV2, MDV3, MDV4)

Fuel Type(s): Dedicated_ x Flex-Fuel_ Dual-Fuel_ Bi-Fuel_ Gasoline _____ x
 Diesel_ CNG_ LNG_ LPG_ M85 _____ Other (specify) _____

Exh Emiss Test Fuel(s): Indo_ CBG_ CNG_ LPG_ M85_ Other (specify) Tier3 E10 Regular

Diesel: 13 CCR 2282 _ 40 CFR 86.113-90 _ 40 CFR 86.113-94 _____

Evaporative Emission Test Procedure: California_ x Federal_ x (ORVR)

Service Accum: SRC_ x Mod AMA_ Mfr ADP_ Other(specify) _____

NMOG Test Procedure: N/A_ Std_ x Equiv_ R/L Test Proc: SHED_ Pt Source_ x

Engine Configuration: 01 Displacement: 2.4 Liters 146 Cubic Inches

Valves per Cylinder: 4 Rated HP: 260 @ 5600 RPM

Engine: Front_ x Mid_ Rear_ Drive: FWD_ RWD_ 4WD-FT_ x 4WD-PT_

Exhaust ECS(e.g., MFI, EGR, TC, CAC): TWC(2)/WR-HO2S/HO2S/TC/CAC/DFI/EGR/EGRC

1. Authorized Representative	<u>Sec 1</u>	22. Gen Std, Increase in Emiss, Safety	<u>Sec 16-1</u>	
2. Fuel Specification	<u>Sec 7</u>	Meets all Reqmts		
3. Test Equipment	<u>Filed at Subaru</u>	23. Driveability Statements	<u>Not required</u>	
4. Test procedure	<u>Filed at Subaru</u>	24. Adjustable Parameters	<u>Not applicable</u>	
5. Mileage Accumulation Route	<u>Filed at Subaru</u>	25. Tamper Resistance Method(s)	<u>Not required</u>	
6. Emission Warranty Statement	<u>Sec 16-1</u>	26. Fill Pipe Specifications	<u>Sec 16-2</u>	
7. Maint: Cert/Req'd/Recm'	<u>Sec 16-1</u>	27. High Altitude Compliance	<u>Sec 16-1</u>	
8. Emiss Label/Vac Hose Dia	<u>Sec 15</u>	28. OBD Sys Incl Marked Revisions	<u>Sec 9</u>	
9. Evap Control System	<u>Sec 3</u>	29. I & M Test Procedure & Data	<u>Not applicable</u>	
10. Engine Parameters	<u>Sec 7</u>	30. 50 Degree F Compliance	<u>Sec 7</u>	
11. Fuel System	<u>Not required</u>	31. Manufacturer's RAF	<u>Not applicable</u>	
12. Ignition System	<u>Not required</u>	32. Phase-In Schedule	<u>Sec 13</u>	
13. Exhaust Control System	<u>Not required</u>	33. NMOG Fleet Average Calculation	<u>Sec 16-3</u>	
14. Proj Sales(LDV/MDV Split)	<u>Sec 13</u>	34. AB965 Credits/Withdrawals	<u>Not applicable</u>	
15. Vehicle Description	<u>Sec 12</u>	35. EPA certificate	<u>TBD</u>	
16. Evap Bench Test Procedure	<u>Sec 4</u>	36. Equiv NMOG Proc—ARB Approval	<u>Not applicable</u>	
17. R/L Temp & Press Profiles	<u>Sec 12-2</u>			
18. EDV Selection	<u>Sec 6</u>			
19. Prod Veh same as Test Veh	<u>Not required</u>			
20. Emission Label Durability	<u>Sec 16-1</u>			
21. Test Vehicle Information	DDV(EM)	DDV(Evap)	EDV(EM)	EDV(Evap)
C/O or C/A MY & ID	<u>26MY TBD-BBA6</u>	<u>20MY LBVD-YBA6</u>	<u>26MY TBE-BBA6</u>	<u>26MY TBV-BBA6</u>
Vehicle Log Page(s)	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>
Zero Mile Book Page(s)	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
Maint Logs & Engr Eval	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>

16-8 Traction battery label

Not Applicable.

Section 17 Service of Process

Refer to Common Section, Section 17.