

Certification Summary Information Report

Manufacturer	Mitsubishi Motors Corporation	Manufacturer Code	MTX
Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M
Certificate Number	TMTXT02.4H3P-004	CARB Executive Order #	--
Certificate Issue Date	11/25/2025	Certificate Revision Date	--
Certificate Effective Date	11/25/2025	Conditional Certificate	No
CSI Revision #	--	CSI Submission/Revision Date	01/20/2026 08:02:56 PM
Model Year	2026		

Certification Summary Information Report

Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M
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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	Multipoint/sequential fuel injection	No

Drive Source #2: Electric Motor

Fuel	Basic Fuel Metering System	Lean Burn Strategy Indicator
Electricity	--	--

Hybrid Indicator	Yes		
Multiple Fuel Storage	--	Rechargeable Energy Storage System Indicator	Yes
Multiple Fuel Combustion	--	Off-board Charge Capable Indicator	Yes
Fuel Cell Indicator	No	EPA Vehicle Class	LDT3
Federal Clean Fuel Vehicle	No	Federal Clean Fuel Vehicle Standard	--
Federal Clean Fuel Vehicle ILEV	--	California Partial Zero Emissions Vehicle Indicator	--
Durability Group Name	TMTXHHVGNEBB	Durability Group Equivalency Factor	0.8
Reduced Fee Test Group	No	Certification Region Code(s)	FA, CA
Complies with HD GHG 2b/3 regulations?	No		
Introduction into Commerce Date	02/14/2026	CAP2000 Conditional Certificate?	No
Independent Commercial Importer?	No	Alternative Fuel Converter Certificate?	No
SFTP Federal Composite Compliance Identifier	Tier 3	SFTP Tier 2 Composite CO Option	--
SFTP LEV-III Composite Compliance Indicator	No		
OBD Compliance Type	CARB	OBD Demonstration Vehicle Test Group	TMTXT01.5H3P
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	--		

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Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M				
Evaporative/Refueling Family Information							
Evaporative Summary Information Type	New	Submission/Correction Date	05/15/2025 06:15:34 AM				
Integrated ORVR?	No	Fuel(s)	Gasoline, Electricity				
Multiple Fuel Storage	Fuels Stored Separately						
Bladder Fuel Tank?	No						
Fuel Tank Material	Plastic	Fuel Tank Material Description	HDPE (High density polyethylene multi layer)				
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)	174	Number of Primary Canisters	2				
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	No	Applicability of Evaporative Canister Bleed Test	--				
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				
TMTXR0174A4M-A4M	50 State	0.02	All test groups in this Evap Leak Family comply with the California OBD requirements (0.020 inch diameter leak detection).				
Models Covered by this Certificate							
Carline Manufacturer	Division	Carline	Certification Region Code(s)	Drive System	Trans - Type	- # of Gears	Trans - Lockup
Mitsubishi Motors Corporation	1 - Mitsubishi Motors Corporation	157 - Outlander PHEV	Federal	All Wheel Drive	Automatic	1	No
Mitsubishi Motors Corporation	1 - Mitsubishi Motors Corporation	157 - Outlander PHEV	California + CAA Section 177 states	All Wheel Drive	Automatic	1	No
Engine Description							
Hybrid Type	IC Engine/Electric Motor	Hybrid Description	--				
Engine Type	4-Stroke Spark Ignition	Mfr Engine Description	--				
Engine Block Arrangement	Inline	Mfr Engine Block Arrangement Description	--				
Camless Valvetrain Indicator	No	Oil Viscosity/Classification	0W-20				
Number of Cylinders/Rotors	4	Mechanically Variable Compression Ratio Indicator	N				

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Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M								
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	131								
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	--								
Air Aspiration Drive Method(s)	Mechanical										
Cylinder Deactivation	No										
Cylinder Deactivation Description	--										
Variable Valve Timing	Yes										
Variable Valve Timing System Description	Inlet only										
Variable Valve Lift?	No										
Variable Valve Lift System Description	--										
Number of Knock Sensors	1	Number of Air/Fuel Sensors	2								
Air/Fuel Sensor # 1 Type	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	--										
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
Electricity	TMTX10090870	TMTX10090870	TMTX10090872	TMTX10090873	TMTX10090890	TMTX10090871	--	--	--	--	--
Gasoline	TMTX10090870	TMTX10090870	TMTX10090872	TMTX10090873	TMTX10090890	TMTX10090871	23.1	228.2	34.7	286.1	--

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Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M
Official Charge Depleting Test Numbers			
Test Group Fuel	UDDS	Highway	
Electricity	TMTX10090967	TMTX10090968	
Hybrid Electric Vehicle And Fuel Cell Information			
Rechargeable Energy Storage System	Battery(s)	Rechargeable Energy Storage System, if Other	--
Battery Type	Lithium Ion	Number of Battery Packs	1
Total Voltage of Battery Packs	355	Battery Energy Capacity	64
Battery Specific Energy	95.4	Battery Charger Type	Both
Number of Capacitors	--	Capacitor Rating (In Farads)	--
Mfr Capacitor Comments	--		
Hydraulic System Description	--		
Regenerative Braking Type	Electrical Regen Brake		
Regenerative Braking Source	Both	Driver Controlled Regenerative Braking	Yes
Mfr Regenerative Braking Description	--		
Drive Motor(s)/Generator(s)	2		
Motor/Generator Type 1	DC Permanent Magnet, brushless	Rated Motor/Generator Power	100
Motor/Generator Type 2	DC Permanent Magnet, brushless	Rated Motor/Generator Power	85
Mfr Fuel Cell Description	--		
Fuel Cell On-Board H2 Storage Capacity (kg)	--	Usable H2 Fill Capacity (kg)	--
Mfr Hybrid Electric/ Electric Vehicle Comments	--		

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Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M
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Emission Data Vehicle Information

Vehicle ID / Configuration	EB23-DH13 / 3	Manufacturer Vehicle Configuration Number	0
Original Test Group Name	PMTXT02.4H3M	Original Evaporative/Refueling Family	PMTXR0174A2M
Original Test Vehicle Model Year	2023		

Vehicle Model

Represented Test Vehicle Make	MITSUBISHI	Represented Test Vehicle Model	Outlander PHEV
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Leak Family Details

Leak Family Identifier	A2M	Leak Family Name	PMTXR0174A2M-A2M
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Drive Sources and Fuel System Details

Drive Source and Fuel#	Drive Source	Fuel
1	Combustion Engine	Gasoline
2	Electric Motor	Electricity

Hybrid Indicator	Yes		
Multiple Fuel Storage	--	Multiple Fuel Combustion	--
Fuel Cell Indicator	No	Rechargeable Energy Storage System Indicator	Yes
Rechargeable Energy Storage System	Battery(s)	Rechargeable Energy Storage System, if 'Other'	--
Off-board charge Capable Indicator	Yes		
Odometer Correction -- Initial	5	Odometer Correction Factor	1.02
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor		
Odometer Correction Units	Miles		
Engine Code	24DU-UEN	Rated Horsepower	131
Displacement (liters)	2.4		
Air Aspiration Method	Naturally Aspirated	Air Aspiration Method, if 'Other'	
Number of Air Aspiration Devices	--	Air Aspiration Device Configuration	--
Charge Air Cooler Type	N/A	Drive Mode While Testing	All Wheel Drive
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)
Curb Weight (lbs)	4617	Equivalent Test Weight (pounds)	5000
GVWR (lbs)	6063	N/V Ratio	41.5
Axle Ratio	3.43		
Transmission Type	Automatic	# of Transmission Gears	1
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	35.609	0.14323	0.023926	-0.09	-0.0753	0.02493	13.7

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Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M						
Emission Control Device Comments	Revised the Odometer Correction Factor to 1.02 from 1.01.								
Manufacturer Test Vehicle Comments	N/V ratio is calculated by axle ratio between engine and differential gear.								
Test #	PMTX10071635	Test Procedure	27 - California fuel 2-day evap						
Exhaust Test # for this Evap Test	PMTX10071634	Test Fuel Type	46 - CARB LEV3 E10 Regular Gasoline						
Test Date	09/09/2021	Fuel	Gasoline						
Fuel Batch ID	MOKZ12	Fuel Calibration Number	2214						
Vehicle Class	N/A	DF Type	Mfr. Determined						
Verify Test Lab ID	Development Engineering Office								
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)								
Test Start Odometer Reading	2906	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>0.2785</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)	0.2785	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)							
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.2785	--							
Manufacturer Test Comments									
4K-MILE(03) 2DAY-EVAP FUEL:LEVIII ETW:5000 LBS 4WD 1AT TIRE:P235/60R18									
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	0.2785	0	0.278	0.5	Pass	
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.2785	0	0.278	0.5	Pass	

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Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M
Test #	PMTX10071750	Test Procedure	38 - CA fuel 3-day evap.
Exhaust Test # for this Evap Test	PMTX10071748	Test Fuel Type	46 - CARB LEV3 E10 Regular Gasoline
Test Date	09/23/2021	Fuel	Gasoline
Fuel Batch ID	MOKZ12	Fuel Calibration Number	2214
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	Development Engineering Office		
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)		
Test Start Odometer Reading	3063	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)	0.3391	--

Manufacturer Test Comments

4K-MILE(03) 3DAY-EVAP FUEL:LEVIII ETW:5000 LBS 4WD 1AT TIRE:P235/60R18

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	0.3391	0	0.339	0.5	Pass
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.3391	0	0.339	0.5	Pass

Certification Summary Information Report

Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M						
Test #	PMTX10071436	Test Procedure	24 - Federal fuel refueling test (ORVR)						
Exhaust Test # for this Evap Test	PMTX10071435	Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)						
Test Date	08/18/2021	Fuel	Gasoline						
Fuel Batch ID	MOKZ13	Fuel Calibration Number	3211						
Vehicle Class	N/A	DF Type	Mfr. Determined						
Verify Test Lab ID	Development Engineering Office								
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)								
Test Start Odometer Reading	2852	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 (Hydrocarbon for Running Loss and ORVR)</td> <td>0.0834</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)	0.0834	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)							
HC (Hydrocarbon for Running Loss and ORVR)	0.0834	--							
Manufacturer Test Comments									
4K-MILE(03) ORVR-EVAP FUEL:Tier3 ETW:5000 LBS 4WD 1AT TIRE:P235/60R18									
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	0.083	0	0.08	0.2	Pass	
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC	0.083	0	0.08	0.2	Pass	

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Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M						
Test #	PMTX10071749	Test Procedure	37 - California Fuel Running Loss						
Exhaust Test # for this Evap Test	PMTX10071748	Test Fuel Type	46 - CARB LEV3 E10 Regular Gasoline						
Test Date	09/22/2021	Fuel	Gasoline						
Fuel Batch ID	MOKZ12	Fuel Calibration Number	2214						
Vehicle Class	N/A	DF Type	Mfr. Determined						
Verify Test Lab ID	Development Engineering Office								
E10 Evaporative Test Measurement Method	Calculated (1.08 x FID Total Hydrocarbons)								
Test Start Odometer Reading	3047	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> <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>0.0054</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)	0.0054	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)							
HC-TOTAL-EQUIV (Total Hydrocarbon equivalent - Evap only)	0.0054	--							
Manufacturer Test Comments									
4K-MILE(03) 3DAY-EVAP FUEL:LEVIII ETW:5000 LBS 4WD 1AT TIRE:P235/60R18									
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	0.005	0.003	0.01	0.05	Pass	
CA	150,000 miles	California LEV-IV Zero Evap (Option 2)	HC-TOTAL-EQUIV	0.005	0.003	0.01	0.01	Pass	

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Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M									
Emission Data Vehicle Information												
Vehicle ID / Configuration	EB26-DH21 / 0	Manufacturer Vehicle Configuration Number	0									
Original Test Group Name	TMTXT02.4H3P	Original Evaporative/Refueling Family	TMTXR0174A4M									
Original Test Vehicle Model Year	2026											
Vehicle Model												
Represented Test Vehicle Make	MITSUBISHI	Represented Test Vehicle Model	Outlander PHEV									
Leak Family Details												
Leak Family Identifier	A4M	Leak Family Name	TMTXR0174A4M-A4M									
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>Electric Motor</td><td>Electricity</td></tr> <tr> <td>2</td><td>Combustion Engine</td><td>Gasoline</td></tr> </tbody> </table>				Drive Source and Fuel#	Drive Source	Fuel	1	Electric Motor	Electricity	2	Combustion Engine	Gasoline
Drive Source and Fuel#	Drive Source	Fuel										
1	Electric Motor	Electricity										
2	Combustion Engine	Gasoline										
Hybrid Indicator	Yes											
Multiple Fuel Storage	--	Multiple Fuel Combustion	--									
Fuel Cell Indicator	No	Rechargeable Energy Storage System Indicator	Yes									
Rechargeable Energy Storage System	Battery(s)	Rechargeable Energy Storage System, if 'Other'	--									
Off-board charge Capable Indicator	Yes											
Odometer Correction -- Initial	5	Odometer Correction Factor	1.02									
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor											
Odometer Correction Units	Miles											
Engine Code	24DV-UEN	Rated Horsepower	131									
Displacement (liters)	2.4											
Air Aspiration Method	Naturally Aspirated	Air Aspiration Method, if 'Other'										
Number of Air Aspiration Devices	--	Air Aspiration Device Configuration	--									
Charge Air Cooler Type	N/A	Drive Mode While Testing	All Wheel Drive									
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)									
Curb Weight (lbs)	4940	Equivalent Test Weight (pounds)	5250									
GVWR (lbs)	6316	N/V Ratio	41									
Axle Ratio	3.43											
Transmission Type	Automatic	# of Transmission Gears	1									
Transmission Lockup	No	Creep Gear	No									

Certification Summary Information Report

Test Group		TMTXT02.4H3P			Evaporative/Refueling Family		TMTXR0174A4M	
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	32.93	0.33229	0.021767	-1.62	-0.0579	0.02421	13.9	
Cold CO	36.223	0.36552	0.023944	-13.21	-0.0369	0.02564	N/A	
US06	32.93	0.33229	0.021767	-1.62	-0.0579	0.02421	N/A	
Emission Control Device Comments		--						
Manufacturer Test Vehicle Comments		EB26-DH21(00) is for emission certification test(except for Cold CO). N/V ratio is calculated by axle ratio between engine and front transaxle.						

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Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M
Test #	TMTX10090870	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	04/23/2025	Fuel	Gasoline
Fuel Batch ID	MOKZ16	Fuel Calibration Number	7243
Vehicle Class	LDT3 (ALVW 3751-5750, LVW 0-3750, GVW > 6000)	DF Type	Mfr. Determined
Verify Test Lab ID	Development Engineering Office		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3380	Odometer Units	M
4WD Test Dyno	Yes	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)	
CO2 BAG 1 (Bag 1 Carbon Dioxide)	386.42971	--	
FE BAG 1 (Bag 1 Fuel Economy)	22.5831	22.5831	
CO2 BAG 2 (Bag 2 Carbon Dioxide)	274.25085	--	
FE BAG 2 (Bag 2 Fuel Economy)	31.8215	31.8215	
METHANE (CH4 - Methane)	0.00085	--	
CO (Carbon Monoxide)	0.02226	--	
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.69	--	
DT-EER (Drive Trace Energy Economy Rating)	0.5	--	
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.92	--	
MFR FE (Manufacturer Fuel Economy)	27.0751	27.0751	
NOX (Nitrogen Oxide)	0.0085	--	
N2O (Nitrous Oxide)	0.00084	--	
HC-NM (Non-methane Hydrocarbon)	0.00705	--	
NMOG (Non-methane organic gases)	0.00776	--	
PM (Particulate Matter)	0.0002774	--	
HC-TOTAL (Total Hydrocarbon)	0.00785	--	
Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE	
Carbon-Related Exhaust Emissions	322	999	

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Test Group		TMTXT02.4H3P				Evaporative/Refueling Family				TMTXR0174A4M		
		Test Result Name		Unrounded Test Result			Verify Calculated CO2					
		Carbon dioxide		322.48776			--					
Manufacturer Test Comments		4K-MILE(00)UDDS FUEL:LEVIV ETW:5250LBS 4WD 1AT(D) TIRE:P255/45R20 NMOG/NMHC=1.10(1.0302+0.0071*10.0) HCHO:Statement Driver selectable mode:Power										
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	120,000 miles	Federal Tier 3 Bin 30	CREE	999	--	--	--	--	1	999	--	--
Fed	120,000 miles	Federal Tier 3 Bin 30	METHANE	0.0008	--	--	--	0.0007	--	0.002	0.030	Pass
Fed	120,000 miles	Federal Tier 3 Bin 30	N2O	0.0008	--	--	--	0	--	0.001	0.010	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	CO	0.02	--	--	--	0.03	--	0	1.0	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	CO-COMP	0.15	--	--	--	--	--	0.2	4.2	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0078	--	1.1	--	0.0014	--	0.009	9.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX	0.0163	--	1.1	--	--	--	0.018	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX-COMP	0.0096	--	--	--	--	--	0.01	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0085	--	--	--	0	--	0.008	9.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	PM	0.0003	--	--	--	0.0002	--	0	0.003	Pass
CA	150,000 miles	California LEV-IV SULEV30	CO	0.02	--	--	--	0.03	--	0	1.0	Pass
CA	150,000 miles	California LEV-IV SULEV30	METHANE	0.0008	--	--	--	0.0008	--	0.002	0.030	Pass
CA	150,000 miles	California LEV-IV SULEV30	N2O	0.0008	--	--	--	0	--	0.001	0.010	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG	0.0078	--	1.1	--	0.0014	--	0.009	9.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0163	--	1.1	--	--	--	0.018	0.030	Pass
CA	150,000 miles	California LEV-IV SULEV30	NOX	0.0085	--	--	--	0	--	0.008	9.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	PM	0.0003	--	--	--	0.0002	--	0	0.001	Pass
NOTE: For Non-charge depleting tests, the Rounded Result for CREE/OPT-CREE Emission names are Verify-calculated values.												

Certification Summary Information Report

Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M
Test #	TMTX10090888	Test Procedure	49 - Quick-Driveway (QD)
Exhaust Test # for this Evap Test	--	Test Fuel Type	51 - CARB LEV4 E10 Regular Gasoline
Test Date	03/11/2025	Fuel	Gasoline
Fuel Batch ID	MOKZ16	Fuel Calibration Number	7241
Vehicle Class	LDT3 (ALVW 3751-5750, LVW 0-3750, GVW > 6000)	DF Type	Mfr. Determined
Verify Test Lab ID	Development Engineering Office		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3167	Odometer Units	M
4WD Test Dyno	Yes	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)
CO2 BAG 1 (Bag 1 Carbon Dioxide)	634.68246	--
FE BAG 1 (Bag 1 Fuel Economy)	13.7415	13.7415
CO2 BAG 2 (Bag 2 Carbon Dioxide)	274.25085	--
FE BAG 2 (Bag 2 Fuel Economy)	31.8215	31.8215
METHANE (CH4 - Methane)	0.00186	--
CO (Carbon Monoxide)	0.04225	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.93	--
DT-EER (Drive Trace Energy Economy Rating)	0.95	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	1.11	--
MFR FE (Manufacturer Fuel Economy)	20.3233	20.3233
NOX (Nitrogen Oxide)	0.00596	--
HC-NM (Non-methane Hydrocarbon)	0.00422	--
NMOG (Non-methane organic gases)	0.00465	--
HC-TOTAL (Total Hydrocarbon)	0.00596	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	429	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	429.23644	--

Certification Summary Information Report

Test Group		TMTXT02.4H3P				Evaporative/Refueling Family				TMTXR0174A4M		
Manufacturer Test Comments		4K-MILE(00)QDA UDDS FUEL:LEVIV ETW:5250LBS 4WD 1AT(D) TIRE:P255/45R20 NMOG/NMHC=1.10(1.0302+0.0071*10.0) Driver selectable mode:Cold-Charge, Hot-Power										
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
CA	150,000 miles	California LEV-IV SULEV30	NMOG	0.0046	--	1.1	--	0.0014	--	0.006	9.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0106	--	1.1	--	--	--	0.012	0.042	Pass
CA	150,000 miles	California LEV-IV SULEV30	NOX	0.006	--	--	--	0	--	0.006	9.999	Pass

Certification Summary Information Report

Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M
Test #	TMTX10090889	Test Procedure	51 - CA fuel 50 Deg(F) exhaust test
Exhaust Test # for this Evap Test	--	Test Fuel Type	51 - CARB LEV4 E10 Regular Gasoline
Test Date	03/18/2025	Fuel	Gasoline
Fuel Batch ID	MOKZ16	Fuel Calibration Number	7241
Vehicle Class	LDT3 (ALVW 3751-5750, LVW 0-3750, GVW > 6000)	DF Type	Mfr. Determined
Verify Test Lab ID	Development Engineering Office		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3289	Odometer Units	M
4WD Test Dyno	Yes	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)	
CO2 BAG 1 (Bag 1 Carbon Dioxide)	418.0395	--	
FE BAG 1 (Bag 1 Fuel Economy)	20.9525	20.9525	
CO2 BAG 2 (Bag 2 Carbon Dioxide)	359.3054	--	
FE BAG 2 (Bag 2 Fuel Economy)	24.4099	24.4099	
CO2 BAG 3 (Bag 3 Carbon Dioxide)	276.5094	--	
FE BAG 3 (Bag 3 Fuel Economy)	31.6315	31.6315	
METHANE (CH4 - Methane)	0.00108	--	
CO (Carbon Monoxide)	0.03117	--	
DT-ASCR (Drive Trace Absolute Speed Change Rating)	1.06	--	
DT-EER (Drive Trace Energy Economy Rating)	0.11	--	
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	1.26	--	
MFR FE (Manufacturer Fuel Economy)	25.1053	25.1053	
NOX (Nitrogen Oxide)	0.00562	--	
HC-NM (Non-methane Hydrocarbon)	0.00703	--	
NMOG (Non-methane organic gases)	0.00774	--	
HC-TOTAL (Total Hydrocarbon)	0.00797	--	
Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE	
Carbon-Related Exhaust Emissions	349	--	

Certification Summary Information Report

Test Group		TMTXT02.4H3P				Evaporative/Refueling Family				TMTXR0174A4M		
		Test Result Name		Unrounded Test Result			Verify Calculated CO2					
		Carbon dioxide		348.76733			--					
Manufacturer Test Comments		4K-MILE(00)50F FTP FUEL:LEVIV ETW:5250LBS 4WD 1AT(D) TIRE:P255/45R20 NMOG/NMHC=1.10(1.0302+0.0071*10.0) HCHO:Statement Driver selectable mode:Power										
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
CA	4,000 miles	California LEV-IV SULEV30	CO	0.03	--	--	--	--	--	0	1.0	Pass
CA	4,000 miles	California LEV-IV SULEV30	NMOG	0.0077	--	1.1	--	--	--	0.008	9.999	Pass
CA	4,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0133	--	1.1	--	--	--	0.013	0.060	Pass
CA	4,000 miles	California LEV-IV SULEV30	NOX	0.0056	--	--	--	--	--	0.006	9.999	Pass

Certification Summary Information Report

Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M																																	
Test #	TMTX10090871	Test Procedure	3 - HWFE																																	
Exhaust Test # for this Evap Test	--	Test Fuel Type	51 - CARB LEV4 E10 Regular Gasoline																																	
Test Date	04/23/2025	Fuel	Gasoline																																	
Fuel Batch ID	MOKZ16	Fuel Calibration Number	7243																																	
Vehicle Class	LDT3 (ALVW 3751-5750, LVW 0-3750, GVW > 6000)	DF Type	Mfr. Determined																																	
Verify Test Lab ID	Development Engineering Office																																			
E10 Evaporative Test Measurement Method	--																																			
Test Start Odometer Reading	3405	Odometer Units	M																																	
4WD Test Dyno	Yes	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																																				
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Test Result Name	Unrounded Test Result	Verify Calculated CO2																																		
Carbon dioxide	431.47477	--																																		
Manufacturer Test Comments	4K-MILE(00)HWY FUEL:LEVIV ETW:5250LBS 4WD 1AT(D) TIRE:P255/45R20 NMOG/NMHC=1.03 Driver selectable mode:Charge																																			

Certification Summary Information Report

Test Group		TMTXT02.4H3P			Evaporative/Refueling Family					TMTXR0174A4M		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	120,000 miles	Federal Tier 3 Bin 30	CREE	999	--	--	--	--	1	999	--	--
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG	0.0072	--	1.03	--	0.0014	--	0.009	9.999	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NMOG+NOX	0.0089	--	1.03	--	--	--	0.01	0.030	Pass
Fed	150,000 miles	Federal Tier 3 Bin 30	NOX	0.0017	--	--	--	0	--	0.002	9.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG	0.0072	--	1.03	--	0.0014	--	0.009	9.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0089	--	1.03	--	--	--	0.01	0.030	Pass
CA	150,000 miles	California LEV-IV SULEV30	NOX	0.0017	--	--	--	0	--	0.002	9.999	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	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M
Test #	TMTX10090872	Test Procedure	90 - US06
Exhaust Test # for this Evap Test	--	Test Fuel Type	51 - CARB LEV4 E10 Regular Gasoline
Test Date	04/23/2025	Fuel	Gasoline
Fuel Batch ID	MOKZ16	Fuel Calibration Number	7243
Vehicle Class	LDT3 (ALVW 3751-5750, LVW 0-3750, GVW > 6000)	DF Type	Mfr. Determined
Verify Test Lab ID	Development Engineering Office		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3466	Odometer Units	M
4WD Test Dyno	Yes	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)
CO2 BAG 1 (Bag 1 Carbon Dioxide)	457.1974	--
FE BAG 1 (Bag 1 Fuel Economy)	19.0641	19.0641
CO2 BAG 2 (Bag 2 Carbon Dioxide)	297.0354	--
FE BAG 2 (Bag 2 Fuel Economy)	29.3127	29.3127
CO (Carbon Monoxide)	0.2781	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.85	--
DT-EER (Drive Trace Energy Economy Rating)	0.49	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.42	--
MFR FE (Manufacturer Fuel Economy)	26.1497	26.1497
NOX (Nitrogen Oxide)	0.00167	--
HC-NM (Non-methane Hydrocarbon)	0.00264	--
NMOG (Non-methane organic gases)	0.00271	--
PM (Particulate Matter)	0.0004494	--
HC-TOTAL (Total Hydrocarbon)	0.0044	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	332	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	332.50168	--

Manufacturer Test Comments

4K-MILE(00)US06 FUEL:LEVIV ETW:5250LBS 4WD 1AT(D) TIRE:P255/45R20 NMOG/NMHC=1.03 Driver selectable mode:Normal

Certification Summary Information Report

Test Group		TMTXT02.4H3P				Evaporative/Refueling Family				TMTXR0174A4M		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 30	PM	0.0004	--	--	--	0.0002	--	0.001	0.006	Pass
CA	150,000 miles	California LEV-IV SULEV30	CO	0.28	--	--	--	0.03	--	0.3	9.6	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG	0.0027	--	1.03	--	0.0014	--	0.004	9.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0044	--	1.03	--	--	--	0.006	0.030	Pass
CA	150,000 miles	California LEV-IV SULEV30	NOX	0.0017	--	--	--	0	--	0.002	9.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	PM	0.0004	--	--	--	0.0002	--	0.001	0.006	Pass

Certification Summary Information Report

Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M																																	
Test #	TMTX10090873	Test Procedure	95 - SC03																																	
Exhaust Test # for this Evap Test	--	Test Fuel Type	51 - CARB LEV4 E10 Regular Gasoline																																	
Test Date	04/23/2025	Fuel	Gasoline																																	
Fuel Batch ID	MOKZ16	Fuel Calibration Number	7243																																	
Vehicle Class	LDT3 (ALVW 3751-5750, LVW 0-3750, GVW > 6000)	DF Type	Mfr. Determined																																	
Verify Test Lab ID	Development Engineering Office																																			
E10 Evaporative Test Measurement Method	--																																			
Test Start Odometer Reading	3451	Odometer Units	M																																	
4WD Test Dyno	Yes	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																																	
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Test Result Name	Unrounded Test Result	Verify Calculated CO2																																		
Carbon dioxide	646.23444	--																																		
Manufacturer Test Comments	4K-MILE(00)SC03 FUEL:LEVIV ETW:5250 LBS 4WD 1AT(D) TIRE:P255/45R20 NMOG/NMHC=1.03 Driver selectable mode:Charge																																			

Certification Summary Information Report

Test Group		TMTXT02.4H3P				Evaporative/Refueling Family				TMTXR0174A4M		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
CA	150,000 miles	California LEV-IV SULEV30	CO	0.1	--	--	--	0.03	--	0.1	1.0	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG	0	--	1.03	--	0.0014	--	0.001	9.999	Pass
CA	150,000 miles	California LEV-IV SULEV30	NMOG+NOX	0.0035	--	1.03	--	--	--	0.005	0.030	Pass
CA	150,000 miles	California LEV-IV SULEV30	NOX	0.0035	--	--	--	0	--	0.004	9.999	Pass

Certification Summary Information Report

Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M
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Emission Data Vehicle Information

Vehicle ID / Configuration	EB26-DH21 / 1	Manufacturer Vehicle Configuration Number	1
Original Test Group Name	TMTXT02.4H3P	Original Evaporative/Refueling Family	TMTXR0174A4M
Original Test Vehicle Model Year	2026		

Vehicle Model

Represented Test Vehicle Make	MITSUBISHI	Represented Test Vehicle Model	Outlander PHEV
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Leak Family Details

Leak Family Identifier	A4M	Leak Family Name	TMTXR0174A4M-A4M
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Drive Sources and Fuel System Details

Drive Source and Fuel#	Drive Source	Fuel
1	Combustion Engine	Gasoline
2	Electric Motor	Electricity

Hybrid Indicator	Yes		
Multiple Fuel Storage	--	Multiple Fuel Combustion	--
Fuel Cell Indicator	No	Rechargeable Energy Storage System Indicator	Yes
Rechargeable Energy Storage System	Battery(s)	Rechargeable Energy Storage System, if 'Other'	--
Off-board charge Capable Indicator	Yes		
Odometer Correction -- Initial	5	Odometer Correction Factor	1.02
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor		
Odometer Correction Units	Miles		
Engine Code	24DV-UEN	Rated Horsepower	131
Displacement (liters)	2.4		
Air Aspiration Method	Naturally Aspirated	Air Aspiration Method, if 'Other'	
Number of Air Aspiration Devices	--	Air Aspiration Device Configuration	--
Charge Air Cooler Type	N/A	Drive Mode While Testing	All Wheel Drive
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)
Curb Weight (lbs)	4940	Equivalent Test Weight (pounds)	5250
GVWR (lbs)	6316	N/V Ratio	41
Axle Ratio	3.43		
Transmission Type	Automatic	# of Transmission Gears	1
Transmission Lockup	No	Creeper 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)	
Cold CO	36.223	0.36552	0.023944	-13.21	-0.0369	0.02564	N/A

Certification Summary Information Report

Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M
Emission Control Device Comments	--		
Manufacturer Test Vehicle Comments	EB26-DH21(01) is for Cold CO certification test. N/V ratio is calculated by axle ratio between engine and front transaxle.		

Certification Summary Information Report

Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M
Test #	TMTX10090890	Test Procedure	11 - Cold CO
Exhaust Test # for this Evap Test	--	Test Fuel Type	28 - Cold CO E10 Regular Gasoline (Tier 3)
Test Date	03/20/2025	Fuel	Gasoline
Fuel Batch ID	MOKZ15	Fuel Calibration Number	6241
Vehicle Class	LDT3 (ALVW 3751-5750, LVW 0-3750, GVW > 6000)	DF Type	Mfr. Determined
Verify Test Lab ID	Development Engineering Office		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3325	Odometer Units	M
4WD Test Dyno	Yes	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)
CO2 BAG 1 (Bag 1 Carbon Dioxide)	507.4671	--
FE BAG 1 (Bag 1 Fuel Economy)	17.0351	17.0351
CO2 BAG 2 (Bag 2 Carbon Dioxide)	510.7956	--
FE BAG 2 (Bag 2 Fuel Economy)	16.9694	16.9694
CO2 BAG 3 (Bag 3 Carbon Dioxide)	371.5314	--
FE BAG 3 (Bag 3 Fuel Economy)	23.2983	23.2983
METHANE (CH4 - Methane)	0.00292	--
CO (Carbon Monoxide)	0.31963	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	1.13	--
DT-EER (Drive Trace Energy Economy Rating)	0.15	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	1.63	--
MFR FE (Manufacturer Fuel Economy)	18.3534	18.3534
NOX (Nitrogen Oxide)	0.00684	--
HC-NM (Non-methane Hydrocarbon)	0.01761	--
NMOG (Non-methane organic gases)	0.0194	--
HC-TOTAL (Total Hydrocarbon)	0.02022	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	473	--

Certification Summary Information Report

Test Group		TMTXT02.4H3P				Evaporative/Refueling Family				TMTXR0174A4M			
		Test Result Name		Unrounded Test Result				Verify Calculated CO2					
		Carbon dioxide		471.84846				--					
Manufacturer Test Comments		4K-MILE(00)20F FTP FUEL:Tier3-Cold ETW:5250LBS 4WD 1AT(D) TIRE:P255/45R20 NMOG/NMHC=1.10(1.0302+0.0071*10.0) Driver selectable mode:Power											
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail	
Fed	50,000 miles	Federal Tier 3 Bin 30	CO	0.32	--	--	--	0.01	--	0.3	12.5	Pass	
Fed	120,000 miles	Federal Tier 3 Bin 30	HC-NM	0.02	--	--	--	0.0011	--	0	0.5	Pass	
CA	50,000 miles	California LEV-IV SULEV30	CO	0.32	--	--	--	0.01	--	0.3	12.5	Pass	

Certification Summary Information Report

Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M									
Emission Data Vehicle Information												
Vehicle ID / Configuration	EB26-DH21 / 2	Manufacturer Vehicle Configuration Number	2									
Original Test Group Name	TMTXT02.4H3P	Original Evaporative/Refueling Family	TMTXR0174A4M									
Original Test Vehicle Model Year	2026											
Vehicle Model												
Represented Test Vehicle Make	MITSUBISHI	Represented Test Vehicle Model	Outlander PHEV									
Leak Family Details												
Leak Family Identifier	A4M	Leak Family Name	TMTXR0174A4M-A4M									
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>Electric Motor</td><td>Electricity</td></tr> <tr> <td>2</td><td>Combustion Engine</td><td>Gasoline</td></tr> </tbody> </table>				Drive Source and Fuel#	Drive Source	Fuel	1	Electric Motor	Electricity	2	Combustion Engine	Gasoline
Drive Source and Fuel#	Drive Source	Fuel										
1	Electric Motor	Electricity										
2	Combustion Engine	Gasoline										
Hybrid Indicator	Yes											
Multiple Fuel Storage	--	Multiple Fuel Combustion	--									
Fuel Cell Indicator	No	Rechargeable Energy Storage System Indicator	Yes									
Rechargeable Energy Storage System	Battery(s)	Rechargeable Energy Storage System, if 'Other'	--									
Off-board charge Capable Indicator	Yes											
Odometer Correction -- Initial	5	Odometer Correction Factor	1.02									
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor											
Odometer Correction Units	Miles											
Engine Code	24DV-UEN	Rated Horsepower	131									
Displacement (liters)	2.4											
Air Aspiration Method	Naturally Aspirated	Air Aspiration Method, if 'Other'										
Number of Air Aspiration Devices	--	Air Aspiration Device Configuration	--									
Charge Air Cooler Type	N/A	Drive Mode While Testing	All Wheel Drive									
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)									
Curb Weight (lbs)	4940	Equivalent Test Weight (pounds)	5250									
GVWR (lbs)	6316	N/V Ratio	41									
Axle Ratio	3.43											
Transmission Type	Automatic	# of Transmission Gears	1									
Transmission Lockup	No	Creep Gear	No									

Certification Summary Information Report

Test Group	TMTXT02.4H3P			Evaporative/Refueling Family			TMTXR0174A4M
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	32.93	0.33229	0.021767	-1.62	-0.0579	0.02421	13.9
Cold CO	36.223	0.36552	0.023944	-13.21	-0.0369	0.02564	N/A
US06	32.93	0.33229	0.021767	-1.62	-0.0579	0.02421	N/A
Emission Control Device Comments	--						
Manufacturer Test Vehicle Comments	EB26-DH21(02) is for FE(CS/CD) tests. N/V ratio is calculated by axle ratio between engine and front transaxle.						

Certification Summary Information Report

Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M
Test #	TMTX10090967	Test Procedure	81 - Charge Depleting UDDS
Exhaust Test # for this Evap Test	--	Test Fuel Type	61 - Tier 2 Cert Gasoline
Test Date	05/13/2025	Fuel	N/A
Fuel Batch ID	MOKZ09	Fuel Calibration Number	9242
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	Development Engineering Office		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3536	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	No
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	21.2408
Charge Depleting Range (Calculated miles)	69.249	Charge Depleting Range (Actual miles)	69.249
Charge Depleting Range Highway (Calculated miles)	--	Derived 5-Cycle Coefficient Model Year	2017
All Electric Range Unadjusted (miles)	68.686	Equivalent All Electric Range (miles)	69.249
Number of Charge Depleting Bags/Phases Conducted	11	Transition Bag/Phase Number	10
Charge Depleting Bag/Phase #1			

Certification Summary Information Report

Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	7.454	
	Average System Voltage	389.7	
	CH4 - Methane	0	
	Carbon Monoxide	0	
	Carbon dioxide	0	
	Carbon-Related Exhaust Emissions	0	
	Drive Trace Absolute Speed Change Rating	0.62	
	Drive Trace Energy Economy Rating	0.48	
	Drive Trace Inertia Work Ratio Rating	0.64	
	Integrated Amp-hours	5.236	
	Manufacturer Fuel Economy	109.443	
	Nitrogen Oxide	0	
	Non-methane Hydrocarbon	0	
	Non-methane organic gases	0	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	System End State of Charge Watt-hours	2.024	
	System Start State of Charge Watt-hours	0	
	Total Hydrocarbon	0	
	Charge Depleting Bag/Phase #2		

Certification Summary Information Report

Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	7.452	
	Average System Voltage	380.8	
	CH4 - Methane	0	
	Carbon Monoxide	0	
	Carbon dioxide	0	
	Carbon-Related Exhaust Emissions	0	
	Drive Trace Absolute Speed Change Rating	0.34	
	Drive Trace Energy Economy Rating	0.17	
	Drive Trace Inertia Work Ratio Rating	0.29	
	Integrated Amp-hours	10.057	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0	
	Non-methane Hydrocarbon	0	
	Non-methane organic gases	0	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	System End State of Charge Watt-hours	3.84	
	System Start State of Charge Watt-hours	2.024	
	Total Hydrocarbon	0	
Charge Depleting Bag/Phase #3			

Certification Summary Information Report

Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	7.448	
	Average System Voltage	372.4	
	CH4 - Methane	0	
	Carbon Monoxide	0	
	Carbon dioxide	0	
	Carbon-Related Exhaust Emissions	0	
	Drive Trace Absolute Speed Change Rating	0	
	Drive Trace Energy Economy Rating	0.13	
	Drive Trace Inertia Work Ratio Rating	0.01	
	Integrated Amp-hours	14.973	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0	
	Non-methane Hydrocarbon	0	
	Non-methane organic gases	0	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	System End State of Charge Watt-hours	5.652	
	System Start State of Charge Watt-hours	3.84	
	Total Hydrocarbon	0	
	Charge Depleting Bag/Phase #4		

Certification Summary Information Report

Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	7.448	
	Average System Voltage	363.7	
	CH4 - Methane	0	
	Carbon Monoxide	0	
	Carbon dioxide	0	
	Carbon-Related Exhaust Emissions	0	
	Drive Trace Absolute Speed Change Rating	0.28	
	Drive Trace Energy Economy Rating	0.26	
	Drive Trace Inertia Work Ratio Rating	0.66	
	Integrated Amp-hours	19.965	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0	
	Non-methane Hydrocarbon	0	
	Non-methane organic gases	0	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	System End State of Charge Watt-hours	7.451	
	System Start State of Charge Watt-hours	5.652	
	Total Hydrocarbon	0	
	Charge Depleting Bag/Phase #5		

Certification Summary Information Report

Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	7.459	
	Average System Voltage	355.6	
	CH4 - Methane	0	
	Carbon Monoxide	0	
	Carbon dioxide	0	
	Carbon-Related Exhaust Emissions	0	
	Drive Trace Absolute Speed Change Rating	-0.43	
	Drive Trace Energy Economy Rating	-0.41	
	Drive Trace Inertia Work Ratio Rating	-0.39	
	Integrated Amp-hours	25.095	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0	
	Non-methane Hydrocarbon	0	
	Non-methane organic gases	0	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	System End State of Charge Watt-hours	9.256	
	System Start State of Charge Watt-hours	7.451	
	Total Hydrocarbon	0	
	Charge Depleting Bag/Phase #6		

Certification Summary Information Report

Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	7.459	
	Average System Voltage	350	
	CH4 - Methane	0	
	Carbon Monoxide	0	
	Carbon dioxide	0	
	Carbon-Related Exhaust Emissions	0	
	Drive Trace Absolute Speed Change Rating	0.65	
	Drive Trace Energy Economy Rating	-0.2	
	Drive Trace Inertia Work Ratio Rating	1.04	
	Integrated Amp-hours	30.327	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0	
	Non-methane Hydrocarbon	0	
	Non-methane organic gases	0	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	System End State of Charge Watt-hours	11.054	
	System Start State of Charge Watt-hours	9.256	
	Total Hydrocarbon	0	
	Charge Depleting Bag/Phase #7		

Certification Summary Information Report

Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	7.453	
	Average System Voltage	346.5	
	CH4 - Methane	0	
	Carbon Monoxide	0	
	Carbon dioxide	0	
	Carbon-Related Exhaust Emissions	0	
	Drive Trace Absolute Speed Change Rating	0.28	
	Drive Trace Energy Economy Rating	0.61	
	Drive Trace Inertia Work Ratio Rating	0.5	
	Integrated Amp-hours	35.556	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0	
	Non-methane Hydrocarbon	0	
	Non-methane organic gases	0	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	System End State of Charge Watt-hours	12.841	
	System Start State of Charge Watt-hours	11.054	
	Total Hydrocarbon	0	
	Charge Depleting Bag/Phase #8		

Certification Summary Information Report

Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	7.451	
	Average System Voltage	343.4	
	CH4 - Methane	0	
	Carbon Monoxide	0	
	Carbon dioxide	0	
	Carbon-Related Exhaust Emissions	0	
	Drive Trace Absolute Speed Change Rating	-0.2	
	Drive Trace Energy Economy Rating	0.29	
	Drive Trace Inertia Work Ratio Rating	-0.4	
	Integrated Amp-hours	40.831	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0	
	Non-methane Hydrocarbon	0	
	Non-methane organic gases	0	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	System End State of Charge Watt-hours	14.623	
	System Start State of Charge Watt-hours	12.841	
	Total Hydrocarbon	0	
	Charge Depleting Bag/Phase #9		

Certification Summary Information Report

Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	7.442	
	Average System Voltage	339.6	
	CH4 - Methane	0	
	Carbon Monoxide	0	
	Carbon dioxide	0	
	Carbon-Related Exhaust Emissions	0	
	Drive Trace Absolute Speed Change Rating	1.66	
	Drive Trace Energy Economy Rating	0.16	
	Drive Trace Inertia Work Ratio Rating	0.33	
	Integrated Amp-hours	46.174	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0	
	Non-methane Hydrocarbon	0	
	Non-methane organic gases	0	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	System End State of Charge Watt-hours	16.412	
	System Start State of Charge Watt-hours	14.623	
	Total Hydrocarbon	0	
	Charge Depleting Bag/Phase #10		

Certification Summary Information Report

Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	7.451	
	Average System Voltage	337.9	
	CH4 - Methane	0.00134	
	Carbon Monoxide	0.06054	
	Carbon dioxide	160.51902	
	Carbon-Related Exhaust Emissions	160	
	Drive Trace Absolute Speed Change Rating	1.54	
	Drive Trace Energy Economy Rating	0.51	
	Drive Trace Inertia Work Ratio Rating	0.95	
	Integrated Amp-hours	47.739	
	Manufacturer Fuel Economy	55.1142	
	Nitrogen Oxide	0.00839	
	Non-methane Hydrocarbon	0.03443	
	Non-methane organic gases	0.03547	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	System End State of Charge Watt-hours	16.902	
	System Start State of Charge Watt-hours	16.412	
	Total Hydrocarbon	0.03566	
	Charge Depleting Bag/Phase #11		

Certification Summary Information Report

Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	7.455	
	Average System Voltage	338.3	
	CH4 - Methane	0.00078	
	Carbon Monoxide	0.00351	
	Carbon dioxide	205.02539	
	Carbon-Related Exhaust Emissions	205	
	Drive Trace Absolute Speed Change Rating	0.77	
	Drive Trace Energy Economy Rating	0.4	
	Drive Trace Inertia Work Ratio Rating	0.56	
	Integrated Amp-hours	47.792	
	Manufacturer Fuel Economy	43.3401	
	Nitrogen Oxide	0.00294	
	Non-methane Hydrocarbon	0.00001	
	Non-methane organic gases	0.00001	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	System End State of Charge Watt-hours	16.882	
	System Start State of Charge Watt-hours	16.902	
	Total Hydrocarbon	0.00073	
	Manufacturer Test Comments		
4K-MILE(02)CD UDDS FUEL:Tier2 ETW:5250 LBS 4WD 1AT(D) TIRE:P255/45R20 NMOG/NMHC=1.0302+0.0071*0.0 CD Operation/Normal Mode CD Range & EAER are calculated by "PHEV fuel economy calculator v27d".			

Certification Summary Information Report

Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M
Test #	TMTX10090968	Test Procedure	84 - Charge Depleting Highway
Exhaust Test # for this Evap Test	--	Test Fuel Type	61 - Tier 2 Cert Gasoline
Test Date	05/14/2025	Fuel	N/A
Fuel Batch ID	MOKZ09	Fuel Calibration Number	9242
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	Development Engineering Office		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3616	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	No
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	21.0129
Charge Depleting Range (Calculated miles)	61.572	Charge Depleting Range (Actual miles)	61.572
Charge Depleting Range Highway (Calculated miles)	--	Derived 5-Cycle Coefficient Model Year	2017
All Electric Range Unadjusted (miles)	61.824	Equivalent All Electric Range (miles)	61.572
Number of Charge Depleting Bags/Phases Conducted	12	Transition Bag/Phase Number	7
Charge Depleting Bag/Phase #1			

Certification Summary Information Report

Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	10.264	
	Average System Voltage	384.8	
	CH4 - Methane	0	
	Carbon Monoxide	0	
	Carbon dioxide	0	
	Carbon-Related Exhaust Emissions	0	
	Drive Trace Absolute Speed Change Rating	1.03	
	Drive Trace Energy Economy Rating	0.15	
	Drive Trace Inertia Work Ratio Rating	0.93	
	Integrated Amp-hours	7.786	
	Manufacturer Fuel Economy	98.762	
	Nitrogen Oxide	0	
	Non-methane Hydrocarbon	0	
	Non-methane organic gases	0	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	System End State of Charge Watt-hours	2.988	
	System Start State of Charge Watt-hours	0	
	Total Hydrocarbon	0	
Charge Depleting Bag/Phase #2			

Certification Summary Information Report

Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	10.262	
	Average System Voltage	370.9	
	CH4 - Methane	0	
	Carbon Monoxide	0	
	Carbon dioxide	0	
	Carbon-Related Exhaust Emissions	0	
	Drive Trace Absolute Speed Change Rating	1	
	Drive Trace Energy Economy Rating	0.34	
	Drive Trace Inertia Work Ratio Rating	1.32	
	Integrated Amp-hours	15.328	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0	
	Non-methane Hydrocarbon	0	
	Non-methane organic gases	0	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	System End State of Charge Watt-hours	5.774	
	System Start State of Charge Watt-hours	2.988	
	Total Hydrocarbon	0	
	Charge Depleting Bag/Phase #3		

Certification Summary Information Report

Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	10.264	
	Average System Voltage	358	
	CH4 - Methane	0	
	Carbon Monoxide	0	
	Carbon dioxide	0	
	Carbon-Related Exhaust Emissions	0	
	Drive Trace Absolute Speed Change Rating	1.53	
	Drive Trace Energy Economy Rating	0.3	
	Drive Trace Inertia Work Ratio Rating	1.94	
	Integrated Amp-hours	23.063	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0	
	Non-methane Hydrocarbon	0	
	Non-methane organic gases	0	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	System End State of Charge Watt-hours	8.531	
	System Start State of Charge Watt-hours	5.774	
	Total Hydrocarbon	0	
	Charge Depleting Bag/Phase #4		

Certification Summary Information Report

Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	10.265	
	Average System Voltage	348	
	CH4 - Methane	0	
	Carbon Monoxide	0	
	Carbon dioxide	0	
	Carbon-Related Exhaust Emissions	0	
	Drive Trace Absolute Speed Change Rating	2.4	
	Drive Trace Energy Economy Rating	0.53	
	Drive Trace Inertia Work Ratio Rating	3.02	
	Integrated Amp-hours	31.008	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0	
	Non-methane Hydrocarbon	0	
	Non-methane organic gases	0	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	System End State of Charge Watt-hours	11.283	
	System Start State of Charge Watt-hours	8.531	
	Total Hydrocarbon	0	
	Charge Depleting Bag/Phase #5		

Certification Summary Information Report

Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	10.26	
	Average System Voltage	341.8	
	CH4 - Methane	0	
	Carbon Monoxide	0	
	Carbon dioxide	0	
	Carbon-Related Exhaust Emissions	0	
	Drive Trace Absolute Speed Change Rating	1.76	
	Drive Trace Energy Economy Rating	0.52	
	Drive Trace Inertia Work Ratio Rating	2.22	
	Integrated Amp-hours	39.104	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0	
	Non-methane Hydrocarbon	0	
	Non-methane organic gases	0	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	System End State of Charge Watt-hours	14.036	
	System Start State of Charge Watt-hours	11.283	
	Total Hydrocarbon	0	
	Charge Depleting Bag/Phase #6		

Certification Summary Information Report

Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	10.257	
	Average System Voltage	336	
	CH4 - Methane	0	
	Carbon Monoxide	0	
	Carbon dioxide	0	
	Carbon-Related Exhaust Emissions	0	
	Drive Trace Absolute Speed Change Rating	0.6	
	Drive Trace Energy Economy Rating	0.04	
	Drive Trace Inertia Work Ratio Rating	0.89	
	Integrated Amp-hours	47.326	
	Manufacturer Fuel Economy	0	
	Nitrogen Oxide	0	
	Non-methane Hydrocarbon	0	
	Non-methane organic gases	0	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	System End State of Charge Watt-hours	16.784	
	System Start State of Charge Watt-hours	14.036	
	Total Hydrocarbon	0	
Charge Depleting Bag/Phase #7			

Certification Summary Information Report

Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	10.26	
	Average System Voltage	338.8	
	CH4 - Methane	0.00075	
	Carbon Monoxide	0.06311	
	Carbon dioxide	234.11542	
	Carbon-Related Exhaust Emissions	234	
	Drive Trace Absolute Speed Change Rating	1.53	
	Drive Trace Energy Economy Rating	0.21	
	Drive Trace Inertia Work Ratio Rating	2.02	
	Integrated Amp-hours	46.742	
	Manufacturer Fuel Economy	37.9465	
	Nitrogen Oxide	0.00361	
	Non-methane Hydrocarbon	0.01454	
	Non-methane organic gases	0.01498	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	System End State of Charge Watt-hours	16.54	
	System Start State of Charge Watt-hours	16.784	
	Total Hydrocarbon	0.01523	
Charge Depleting Bag/Phase #8			

Certification Summary Information Report

Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	10.263	
	Average System Voltage	338.3	
	CH4 - Methane	0.00043	
	Carbon Monoxide	0.05942	
	Carbon dioxide	196.61115	
	Carbon-Related Exhaust Emissions	197	
	Drive Trace Absolute Speed Change Rating	2.48	
	Drive Trace Energy Economy Rating	0.15	
	Drive Trace Inertia Work Ratio Rating	3.14	
	Integrated Amp-hours	47.137	
	Manufacturer Fuel Economy	45.0785	
	Nitrogen Oxide	0.00243	
	Non-methane Hydrocarbon	0.00045	
	Non-methane organic gases	0.00047	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	System End State of Charge Watt-hours	16.625	
	System Start State of Charge Watt-hours	16.54	
	Total Hydrocarbon	0.00085	
	Charge Depleting Bag/Phase #9		

Certification Summary Information Report

Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	10.262	
	Average System Voltage	338.5	
	CH4 - Methane	0.0012	
	Carbon Monoxide	0.11017	
	Carbon dioxide	216.49289	
	Carbon-Related Exhaust Emissions	216	
	Drive Trace Absolute Speed Change Rating	2.19	
	Drive Trace Energy Economy Rating	0.73	
	Drive Trace Inertia Work Ratio Rating	2.91	
	Integrated Amp-hours	47.313	
	Manufacturer Fuel Economy	41.0989	
	Nitrogen Oxide	0.00115	
	Non-methane Hydrocarbon	0.00215	
	Non-methane organic gases	0.00222	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	System End State of Charge Watt-hours	16.645	
	System Start State of Charge Watt-hours	16.625	
	Total Hydrocarbon	0.00326	
	Charge Depleting Bag/Phase #10		

Certification Summary Information Report

Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	10.258	
	Average System Voltage	338.6	
	CH4 - Methane	0.00095	
	Carbon Monoxide	0.07085	
	Carbon dioxide	218.92386	
	Carbon-Related Exhaust Emissions	219	
	Drive Trace Absolute Speed Change Rating	1.98	
	Drive Trace Energy Economy Rating	0.28	
	Drive Trace Inertia Work Ratio Rating	2.71	
	Integrated Amp-hours	47.351	
	Manufacturer Fuel Economy	40.5474	
	Nitrogen Oxide	0.0005	
	Non-methane Hydrocarbon	0.00344	
	Non-methane organic gases	0.00354	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	System End State of Charge Watt-hours	16.616	
	System Start State of Charge Watt-hours	16.645	
	Total Hydrocarbon	0.00432	
	Charge Depleting Bag/Phase #11		

Certification Summary Information Report

Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M
	Test Result/Emission Name	Unrounded Test Result	
	Actual Distance Driven (miles)	10.267	
	Average System Voltage	338.6	
	CH4 - Methane	0.00086	
	Carbon Monoxide	0.07203	
	Carbon dioxide	215.73573	
	Carbon-Related Exhaust Emissions	216	
	Drive Trace Absolute Speed Change Rating	0.76	
	Drive Trace Energy Economy Rating	0.37	
	Drive Trace Inertia Work Ratio Rating	1.01	
	Integrated Amp-hours	47.464	
	Manufacturer Fuel Economy	41.1109	
	Nitrogen Oxide	0.00075	
	Non-methane Hydrocarbon	0.00189	
	Non-methane organic gases	0.00195	
	Non-methane organic gases plus Nitrogen Oxides	999.999	
	System End State of Charge Watt-hours	16.609	
	System Start State of Charge Watt-hours	16.616	
	Total Hydrocarbon	0.00268	
	Charge Depleting Bag/Phase #12		

Certification Summary Information Report

Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M																																						
	<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.265</td></tr><tr><td>Average System Voltage</td><td>338.5</td></tr><tr><td>CH4 - Methane</td><td>0.00093</td></tr><tr><td>Carbon Monoxide</td><td>0.07947</td></tr><tr><td>Carbon dioxide</td><td>212.35472</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>212</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>1.24</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.12</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>1.59</td></tr><tr><td>Integrated Amp-hours</td><td>47.655</td></tr><tr><td>Manufacturer Fuel Economy</td><td>41.8824</td></tr><tr><td>Nitrogen Oxide</td><td>0.00078</td></tr><tr><td>Non-methane Hydrocarbon</td><td>0.00302</td></tr><tr><td>Non-methane organic gases</td><td>0.00311</td></tr><tr><td>Non-methane organic gases plus Nitrogen Oxides</td><td>999.999</td></tr><tr><td>System End State of Charge Watt-hours</td><td>16.629</td></tr><tr><td>System Start State of Charge Watt-hours</td><td>16.609</td></tr><tr><td>Total Hydrocarbon</td><td>0.00387</td></tr></table>			Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.265	Average System Voltage	338.5	CH4 - Methane	0.00093	Carbon Monoxide	0.07947	Carbon dioxide	212.35472	Carbon-Related Exhaust Emissions	212	Drive Trace Absolute Speed Change Rating	1.24	Drive Trace Energy Economy Rating	0.12	Drive Trace Inertia Work Ratio Rating	1.59	Integrated Amp-hours	47.655	Manufacturer Fuel Economy	41.8824	Nitrogen Oxide	0.00078	Non-methane Hydrocarbon	0.00302	Non-methane organic gases	0.00311	Non-methane organic gases plus Nitrogen Oxides	999.999	System End State of Charge Watt-hours	16.629	System Start State of Charge Watt-hours	16.609	Total Hydrocarbon	0.00387
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	Total Hydrocarbon	0.00387																																							
	Manufacturer Test Comments																																								
	4K-MILE(02)CD HWY FUEL:Tier2 ETW:5250 LBS 4WD 1AT(D) TIRE:P255/45R20 NMOG/NMHC=1.03 CD Operation/Normal Mode CD Range & EAER are calculated by "PHEV fuel economy calculator v27d".																																								

Certification Summary Information Report

Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M
Fuel Properties			
Fuel Batch ID	MOKZ16	Fuel Calibration Number	7241
Test Fuel Type	51 - CARB LEV4 E10 Regular Gasoline	Fuel Batch Calibration Date	05/28/2024
Fuel Batch Calibration Effective Date	10/21/2024	Fuel Batch Calibration Ineffective Date	--
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.754
Fuel Ethanol Volume Percent (%)	10	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17800
Fuel Net Heat of Combustion (E10) (MJ/kg)	41.403	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.826	Weight Fraction CO2	--
Fuel Batch ID	MOKZ09	Fuel Calibration Number	9242
Test Fuel Type	61 - Tier 2 Cert Gasoline	Fuel Batch Calibration Date	12/13/2023
Fuel Batch Calibration Effective Date	09/23/2024	Fuel Batch Calibration Ineffective Date	--
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.743
Fuel Ethanol Volume Percent (%)	--	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	18480
Fuel Net Heat of Combustion (E10) (MJ/kg)	42.984	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.865	Weight Fraction CO2	--
Fuel Batch ID	MOKZ16	Fuel Calibration Number	7243
Test Fuel Type	51 - CARB LEV4 E10 Regular Gasoline	Fuel Batch Calibration Date	06/17/2024
Fuel Batch Calibration Effective Date	02/04/2025	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	0.753
Fuel Ethanol Volume Percent (%)	10	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17849
Fuel Net Heat of Combustion (E10) (MJ/kg)	41.517	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.827	Weight Fraction CO2	--
Fuel Batch ID	MOKZ12	Fuel Calibration Number	2214
Test Fuel Type	46 - CARB LEV3 E10 Regular Gasoline	Fuel Batch Calibration Date	05/14/2021
Fuel Batch Calibration Effective Date	08/16/2021	Fuel Batch Calibration Ineffective Date	--
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--

Certification Summary Information Report

Test Group	TMTXT02.4H3P	Evaporative/Refueling Family	TMTXR0174A4M
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.74
Fuel Ethanol Volume Percent (%)	9.8	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	18592
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.861	Weight Fraction CO2	--
Fuel Batch ID	MOKZ15	Fuel Calibration Number	6241
Test Fuel Type	28 - Cold CO E10 Regular Gasoline (Tier 3)	Fuel Batch Calibration Date	11/28/2022
Fuel Batch Calibration Effective Date	11/18/2024	Fuel Batch Calibration Ineffective Date	--
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.743
Fuel Ethanol Volume Percent (%)	10	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	17940
Fuel Net Heat of Combustion (E10) (MJ/kg)	41.728	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.825	Weight Fraction CO2	--
Fuel Batch ID	MOKZ13	Fuel Calibration Number	3211
Test Fuel Type	48 - Tier 3 E10 Regular Gasoline (9 RVP @Low Alt.)	Fuel Batch Calibration Date	05/20/2020
Fuel Batch Calibration Effective Date	01/08/2021	Fuel Batch Calibration Ineffective Date	--
Carbon Weight Fraction NMHC	--	Carbon Weight Fraction HC	--
Exhaust Carbon Weight Fraction	--	Fuel Methanol Volume Fraction	--
Fuel Density (grams/cubic ft)	--	Fuel Specific Gravity	0.739
Fuel Ethanol Volume Percent (%)	9.8	Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	18556
Fuel Net Heat of Combustion (E10) (MJ/kg)	--	Fuel Carbon Mass Fraction (E10)	--
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.862	Weight Fraction CO2	--

Certification Summary Information Report

Test Group		TMTXT02.4H3P			Evaporative/Refueling Family		TMTXR0174A4M		
Consolidated List of Standards									
Exhaust Standards									
Cert Region		California + CAA Section 177 states			Cert/In-Use Code		Cert		
Vehicle Class		LDT3 (ALVW 3751-5750, LVW 0-3750, GVW > 6000)			Standard Level		California LEV-IV SULEV30		
Fuel		Gasoline			Test Procedure		California 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
150,000 miles	CO	--	--	--	--	--	--	0.03	1.0
150,000 miles	METHANE	--	--	--	--	--	--	0.0008	0.030
150,000 miles	N2O	--	--	--	--	--	--	0	0.010
150,000 miles	NMOG	--	--	1.1	--	--	--	0.0014	9.999
150,000 miles	NMOG+NOX	--	--	1.1	--	--	1	--	0.030
150,000 miles	NOX	--	--	--	--	--	--	0	9.999
150,000 miles	PM	--	--	--	--	--	--	0.0002	0.001
Cert Region		Federal			Cert/In-Use Code		Cert		
Vehicle Class		LDT3 (ALVW 3751-5750, LVW 0-3750, GVW > 6000)			Standard Level		Federal Tier 3 Bin 30		
Fuel		Gasoline			Test Procedure		California 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	--	--	--	--	--	1	--	999
120,000 miles	METHANE	--	--	--	--	--	--	0.0007	0.030
120,000 miles	N2O	--	--	--	--	--	--	0	0.010
150,000 miles	CO	--	--	--	--	--	--	0.03	1.0
150,000 miles	CO-COMP	--	--	--	--	--	--	--	4.2
150,000 miles	NMOG	--	--	1.1	--	--	--	0.0014	9.999
150,000 miles	NMOG+NOX	--	--	1.1	--	--	1	--	0.030
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	--	0.030
150,000 miles	NOX	--	--	--	--	--	--	0	9.999
150,000 miles	PM	--	--	--	--	--	--	0.0002	0.003

Certification Summary Information Report

Test Group	TMTXT02.4H3P				Evaporative/Refueling Family			TMTXR0174A4M	
Cert Region	California + CAA Section 177 states				Cert/In-Use Code			Cert	
Vehicle Class	LDT3 (ALVW 3751-5750, LVW 0-3750, GVW > 6000)				Standard Level			California LEV-IV SULEV30	
Fuel	Gasoline				Test Procedure			US06	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	--	0.03	9.6
150,000 miles	NMOG	--	--	1.03	--	--	--	0.0014	9.999
150,000 miles	NMOG+NOX	--	--	1.03	--	--	1	--	0.030
150,000 miles	NOX	--	--	--	--	--	--	0	9.999
150,000 miles	PM	--	--	--	--	--	--	0.0002	0.006

Cert Region	Federal				Cert/In-Use Code			Cert	
Vehicle Class	LDT3 (ALVW 3751-5750, LVW 0-3750, GVW > 6000)				Standard Level			Federal Tier 3 Bin 30	
Fuel	Gasoline				Test Procedure			HWFE	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
120,000 miles	CREE	--	--	--	--	--	1	--	999
150,000 miles	NMOG	--	--	1.03	--	--	--	0.0014	9.999
150,000 miles	NMOG+NOX	--	--	1.03	--	--	1	--	0.030
150,000 miles	NOX	--	--	--	--	--	--	0	9.999

Cert Region	California + CAA Section 177 states				Cert/In-Use Code			Cert	
Vehicle Class	LDT3 (ALVW 3751-5750, LVW 0-3750, GVW > 6000)				Standard Level			California LEV-IV SULEV30	
Fuel	Gasoline				Test Procedure			SC03	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	--	0.03	1.0
150,000 miles	NMOG	--	--	1.03	--	--	--	0.0014	9.999
150,000 miles	NMOG+NOX	--	--	1.03	--	--	1	--	0.030
150,000 miles	NOX	--	--	--	--	--	--	0	9.999

Certification Summary Information Report

Test Group		TMTXT02.4H3P			Evaporative/Refueling Family			TMTXR0174A4M	
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDT3 (ALVW 3751-5750, LVW 0-3750, GVW > 6000)			Standard Level			Federal Tier 3 Bin 30	
Fuel		Gasoline			Test Procedure			US06	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	PM	--	--	--	--	--	--	0.0002	0.006

Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDT3 (ALVW 3751-5750, LVW 0-3750, GVW > 6000)			Standard Level			California LEV-IV SULEV30	
Fuel		Gasoline			Test Procedure			CA fuel 50 Deg(F) exhaust test	
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	--	--	--	--	--	--	--	1.0
4,000 miles	NMOG	--	--	1.1	--	--	--	--	9.999
4,000 miles	NMOG+NOX	--	--	1.1	--	--	1	--	0.060
4,000 miles	NOX	--	--	--	--	--	--	--	9.999

Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDT3 (ALVW 3751-5750, LVW 0-3750, GVW > 6000)			Standard Level			California LEV-IV SULEV30	
Fuel		Gasoline			Test Procedure			Quick-Driveway (QD)	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	NMOG	--	--	1.1	--	--	--	0.0014	9.999
150,000 miles	NMOG+NOX	--	--	1.1	--	--	1	--	0.042
150,000 miles	NOX	--	--	--	--	--	--	0	9.999

Certification Summary Information Report

Test Group		TMTXT02.4H3P			Evaporative/Refueling Family			TMTXR0174A4M	
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDT3 (ALVW 3751-5750, LVW 0-3750, GVW > 6000)			Standard Level			Federal Tier 3 Bin 30	
Fuel		Gasoline			Test Procedure			Cold CO	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
50,000 miles	CO	--	--	--	--	--	--	0.01	12.5
120,000 miles	HC-NM	--	--	--	--	--	--	0.0011	0.5

Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDT3 (ALVW 3751-5750, LVW 0-3750, GVW > 6000)			Standard Level			California LEV-IV SULEV30	
Fuel		Gasoline			Test Procedure			Cold CO	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
50,000 miles	CO	--	--	--	--	--	--	0.01	12.5

Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDT3 (ALVW 3751-5750, LVW 0-3750, GVW > 6000)			Standard Level			California LEV-IV SULEV30	
Fuel		Gasoline			Test Procedure			HWFE	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	NMOG	--	--	1.03	--	--	--	0.0014	9.999
150,000 miles	NMOG+NOX	--	--	1.03	--	--	1	--	0.030
150,000 miles	NOX	--	--	--	--	--	--	0	9.999

Evaporative/Refueling Standards

Evaporative/Refueling Family		TMTXR0174A4M		Cert Region		Federal	
Cert/In-Use Code		Cert		Standard Level		Federal Tier 3 Evap	
Test Procedure		California fuel 2-day evap					
Fuel	Useful Life	Emission Name	Rounded Result		Std	Add DF	
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--		0.500	0	

Certification Summary Information Report

Test Group		TMTXT02.4H3P		Evaporative/Refueling Family		TMTXR0174A4M	
Evaporative/Refueling Family		TMTXR0174A4M		Cert Region		Federal	
Cert/In-Use Code		Cert		Standard Level		Federal Tier 3 Evap	
Test Procedure		CA fuel 3-day evap.					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.500	0		
Evaporative/Refueling Family		TMTXR0174A4M		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	0.003		
Evaporative/Refueling Family		TMTXR0174A4M		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	0.003		
Evaporative/Refueling Family		TMTXR0174A4M		Cert Region		California + CAA Section 177 states	
Cert/In-Use Code		Cert		Standard Level		California LEV-IV Zero Evap (Option 2)	
Test Procedure		CA fuel 3-day evap.					
Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF		
Gasoline	150,000 miles	HC-TOTAL-EQUIV	--	0.500	0		
Evaporative/Refueling Family		TMTXR0174A4M		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		

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Evaporative/Refueling Family		TMTXR0174A4M		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	
Evaporative/Refueling Family		TMTXR0174A4M		Cert Region		California + CAA Section 177 states					
Cert/In-Use Code		Cert		Standard Level		California LEV-IV Zero Evap (Option 2)					
Test Procedure		California fuel 2-day evap									
Fuel		Useful Life		Emission Name		Rounded Result		Std		Add DF	
Gasoline		150,000 miles		HC-TOTAL-EQUIV		--		0.500		0	

Certification Summary Information Report

Test Group		TMTXT02.4H3P	Evaporative/Refueling Family		TMTXR0174A4M
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		AS-VOLT	Average System Voltage	
CO	Carbon Monoxide		CO2 BAG 1	Bag 1 Carbon Dioxide	
CO2	Carbon dioxide		CO2 BAG 2	Bag 2 Carbon Dioxide	
CREE	Carbon-Related Exhaust Emissions		CO2 BAG 3	Bag 3 Carbon Dioxide	
OPT-CREE	Optional Carbon-Related Exhaust Emissions		CO2 BAG 4	Bag 4 Carbon Dioxide	
NOX	Nitrogen Oxide		NMOG+NOX	Non-methane organic gases plus Nitrogen Oxides	
PM	Particulate Matter		NMOG+NOX-COMP	SFTP Composite Non-methane Organic Gases + Nitrogen Oxides	
PM-COMP	SFTP Composite Particulate Matter		DT-IWRR	Drive Trace Inertia Work Ratio Rating	
HC-NM	Non-methane Hydrocarbon		DT-ASCR	Drive Trace Absolute Speed Change Rating	
OMHCE	Organic material Hydrocarbon Equivalent		DT-EER	Drive Trace Energy Economy Rating	
OMNMHCE	Organic material non-methane HC equivalent		COMB-CREE	Combined Carbon-Related Exhaust Emissions	
NMOG	Non-methane organic gases		COMB-OPT-CREE	Combined Optional Carbon-Related Exhaust Emissions	
HCHO	Formaldehyde		HC-TOTAL-EQUIV	Total Hydrocarbon equivalent - Evap only	
H3C2HO	Acetaldehyde		METHANE-COMB	Combined CH4 for HD 2b/3 vehicles only	
HC-NM+NOX	SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03		N2O-COMB	Combined Nitrous Oxide for HD 2b/3 vehicles only	
HC-NM+NOX-COMP	SFTP Composite Non-methane Hydrocarbon + Nitrogen Oxides		LEAK-DIA	Effective Leak Diameter (inches)	
CO-COMP	SFTP Composite Carbon Monoxide		LEAK-GAS CAP	Gas Cap Leakage (cc/min)	
ETHANOL	C2H5OH - Ethanol		CO2-COMB	Combined Carbon Dioxide for HD 2b/3 Vehicles Only	
FE BAG 1	Bag 1 Fuel Economy		KW-HRS	Integrated DC KW-HRS	
FE BAG 2	Bag 2 Fuel Economy		CH4 BAG 1	Bag 1 Methane	
FE BAG 3	Bag 3 Fuel Economy		CH4 BAG 2	Bag 2 Methane	
FE BAG 4	Bag 4 Fuel Economy		CH4 BAG 3	Bag 3 Methane	
MFR FE	Manufacturer Fuel Economy		CH4 BAG 4	Bag 4 Methane	
HC	Hydrocarbon for Running Loss and ORVR		CO BAG 1	Bag 1 Carbon Monoxide	
METHANE	CH4 - Methane		CO BAG 2	Bag 2 Carbon Monoxide	
METHANOL	CH3OH - Methanol		CO BAG 3	Bag 3 Carbon Monoxide	
N2O	Nitrous Oxide		CO BAG 4	Bag 4 Carbon Monoxide	
SPITBACK	Spitback Hydrocarbon in grams		NMOG BAG 1	Bag 1 Non-methane organic gases	
AMP-HRS	Integrated Amp-hours		NMOG BAG 2	Bag 2 Non-methane organic gases	
START-SOC	System Start State of Charge Watt-hours		NMOG BAG 3	Bag 3 Non-methane organic gases	
END-SOC	System End State of Charge Watt-hours		NMOG BAG 4	Bag 4 Non-methane organic gases	
ACT-DISTANCE	Actual Distance Driven (miles)				
Certification Region					

Certification Summary Information Report

Test Group		TMTXT02.4H3P		Evaporative/Refueling Family		TMTXR0174A4M	
CA	California + CAA Section 177 states	FA	Federal				
Exhaust Emission Standard Level							
B1	Federal Tier 2 Bin 1	T3B160	Federal Tier 3 Bin 160				
B2	Federal Tier 2 Bin 2	T3B125	Federal Tier 3 Bin 125				
B3	Federal Tier 2 Bin 3	T3B110	Federal Tier 3 Transitional Bin 110				
B4	Federal Tier 2 Bin 4	T3B85	Federal Tier 3 Transitional Bin 85				
B5	Federal Tier 2 Bin 5	T3SULEV30	Federal Tier 3 Transitional LEV-II SULEV30 Carryover				
B6	Federal Tier 2 Bin 6	T3B70	Federal Tier 3 Bin 70				
B7	Federal Tier 2 Bin 7	T3B50	Federal Tier 3 Bin 50				
B8	Federal Tier 2 Bin 8	T3B30	Federal Tier 3 Bin 30				
B9	Federal Tier 2 Bin 9	T3B20	Federal Tier 3 Bin 20				
B10	Federal Tier 2 Bin 10	T3B0	Federal Tier 3 Bin 0				
B11	Federal Tier 2 Bin 11	HDV2B395	Federal Tier 3 HD Class 2b Transitional Bin 395				
HDV1	HDV1 (Federal HD chassis Class 2b GVW 8501-10000)	HDV2B340	Federal Tier 3 HD Class 2b Transitional Bin 340				
HDV2	HDV2 (Federal HD chassis Class 3 GVW 10001-14000)	HDV2B250	Federal Tier 3 HD Class 2b Bin 250				
L2	California LEV-II LEV	HDV2B200	Federal Tier 3 HD Class 2b Bin 200				
L2OP	California LEV-II LEV Optional	HDV2B170	Federal Tier 3 HD Class 2b Bin 170				
U2	California LEV-II ULEV	HDV2B150	Federal Tier 3 HD Class 2b Bin 150				
S2	California LEV-II SULEV	HDV2B0	Federal Tier 3 HD Class 2b Bin 0				
ZEV	California ZEV	HDV3B630	Federal Tier 3 HD Class 3 Transitional Bin 630				
OT	Other	HDV3B570	Federal Tier 3 HD Class 3 Transitional Bin 570				
T1	Federal Tier 1	HDV3B400	Federal Tier 3 HD Class 3 Bin 400				
PZEV	California PZEV	HDV3B270	Federal Tier 3 HD Class 3 Bin 270				
L2LEV160	California LEV-II LEV160	HDV3B230	Federal Tier 3 HD Class 3 Bin 230				
L2ULEV125	California LEV-II ULEV125	HDV3B200	Federal Tier 3 HD Class 3 Bin 200				
L2SULEV30	California LEV-II SULEV30	HDV3B0	Federal Tier 3 HD Class 3 Bin 0				
L2LEV395	California LEV-II LEV395	L4SULEV100	California LEV-IV SULEV100				
L2ULEV340	California LEV-II ULEV340	L4SULEV125	California LEV-IV SULEV125				
L2LEV630	California LEV-II LEV630	L4SULEV15	California LEV-IV SULEV15				
L2ULEV570	California LEV-II ULEV570	L4SULEV150	California LEV-IV SULEV150				
L3LEV160	California LEV-III LEV160	L4SULEV170	California LEV-IV SULEV170				
L3ULEV125	California LEV-III ULEV125	L4SULEV175	California LEV-IV SULEV175				
L3ULEV70	California LEV-III ULEV70	L4SULEV20	California LEV-IV SULEV20				
L3ULEV50	California LEV-III ULEV50	L4SULEV200	California LEV-IV SULEV200				
L3SULEV30	California LEV-III SULEV30	L4SULEV230	California LEV-IV SULEV230				
L3SULEV20	California LEV-III SULEV20	L4SULEV25	California LEV-IV SULEV25				
L3LEV395	California LEV-III LEV395	L4SULEV30	California LEV-IV SULEV30				
L3ULEV340	California LEV-III ULEV340	L4SULEV75	California LEV-IV SULEV75				
L3ULEV250	California LEV-III ULEV250	L4SULEV85	California LEV-IV SULEV85				
L3ULEV200	California LEV-III ULEV200	L4ULEV125	California LEV-IV ULEV125				

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Test Group		TMTXT02.4H3P	Evaporative/Refueling Family		TMTXR0174A4M
L3SULEV170	California LEV-III SULEV170		L4ULEV200	California LEV-IV ULEV200	
L3SULEV150	California LEV-III SULEV150		L4ULEV250	California LEV-IV ULEV250	
L3LEV630	California LEV-III LEV630		L4ULEV270	California LEV-IV ULEV270	
L3ULEV570	California LEV-III ULEV570		L4ULEV40	California LEV-IV ULEV40	
L3ULEV400	California LEV-III ULEV400		L4ULEV400	California LEV-IV ULEV400	
L3ULEV270	California LEV-III ULEV270		L4ULEV50	California LEV-IV ULEV50	
L3SULEV230	California LEV-III SULEV230		L4ULEV60	California LEV-IV ULEV60	
L3SULEV200	California LEV-III SULEV200		L4ULEV70	California LEV-IV ULEV70	
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		
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		