

Certification Summary Information Report

Manufacturer	Tesla, Inc.	Manufacturer Code	TSL
Test Group	VTSLV00.0L23	Evaporative/Refueling Family	--
Certificate Number	VTSLV00.0L23-003	CARB Executive Order #	--
Certificate Issue Date	08/28/2026	Certificate Revision Date	--
Certificate Effective Date	08/28/2026	Conditional Certificate	No
CSI Revision #	--	CSI Submission/Revision Date	08/26/2026 02:55:59 PM
Model Year	2027		

Test Group Information

CSI Type	Update for Correction	Running Change Reference Number	0
GHG Exempt Status	Not Exempt		

Drive Sources and Fuel(s)

Drive Source #1: Electric Motor

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

Hybrid Indicator	No		
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	LDV
Federal Clean Fuel Vehicle	Yes	Federal Clean Fuel Vehicle Standard	ZEV
Federal Clean Fuel Vehicle ILEV	Yes	California Partial Zero Emissions Vehicle Indicator	--
Durability Group Name	VTSLEEVNNL23	Durability Group Equivalency Factor	1
Reduced Fee Test Group	No	Certification Region Code(s)	FA, CA
Complies with HD GHG 2b/3 regulations?	No		
Introduction into Commerce Date	09/18/2026	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	Yes		
OBD Compliance Type	CARB	OBD Demonstration Vehicle Test Group	VTSLV00.0L23
Test Group OBD Compliance Level	Full - no deficiencies	Number of Test Group OBD Deficiencies	0
OBD Deficiencies Comments	Battery Electric Vehicle - No OBD requirements		
Mfr Test Group Comments	MY2027 certification includes 4 carlines (Model 3 Premium AWD, Model 3 Performance, Model 3 Performance AWD, Model 3 Premium AWD-I)		
Mfr Exhaust / Evap Standards Comments	--		

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Test Group	VTSLV00.0L23	Evaporative/Refueling Family	--
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Models Covered by this Certificate

Carline Manufacturer	Division	Carline	Certification Region Code(s)	Drive System	Trans - Type	- # of Gears	Trans - Lockup
Tesla, Inc.	1 - Tesla Motors	96 - Model 3 Performance AWD	Federal	All Wheel Drive	Automatic	1	No
Tesla, Inc.	1 - Tesla Motors	95 - Model 3 Performance	Federal	All Wheel Drive	Automatic	1	No
Tesla, Inc.	1 - Tesla Motors	93 - Model 3 Premium AWD	Federal	All Wheel Drive	Automatic	1	No
Tesla, Inc.	1 - Tesla Motors	96 - Model 3 Performance AWD	California + CAA Section 177 states	All Wheel Drive	Automatic	1	No
Tesla, Inc.	1 - Tesla Motors	93 - Model 3 Premium AWD	California + CAA Section 177 states	All Wheel Drive	Automatic	1	No
Tesla, Inc.	1 - Tesla Motors	94 - Model 3 Premium AWD-I	Federal	All Wheel Drive	Automatic	1	No
Tesla, Inc.	1 - Tesla Motors	94 - Model 3 Premium AWD-I	California + CAA Section 177 states	All Wheel Drive	Automatic	1	No
Tesla, Inc.	1 - Tesla Motors	95 - Model 3 Performance	California + CAA Section 177 states	All Wheel Drive	Automatic	1	No

Engine Description

Hybrid Type	--	Hybrid Description	--
Engine Type	--	Mfr Engine Description	--
Engine Block Arrangement	--	Mfr Engine Block Arrangement Description	--
Camless Valvetrain Indicator	--	Oil Viscosity/Classification	
Number of Cylinders/Rotors	--	Mechanically Variable Compression Ratio Indicator	--

After Treatment Device(s) (ATD)

Mfr After Treatment Device (ATD)	
Comments	--
Direct Ozone Reduction (DOR) Device	--
Mfr Emission Control Device 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		--	--	--	--	--	--	--	--	--	--

SFTP LEV-III Official Test Numbers

Test Group Fuel	FTP	US06	SC03
Electricity	--	--	--

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Test Group	VTSLV00.0L23		Evaporative/Refueling Family	--
Official Charge Depleting Test Numbers				
Test Group Fuel	UDDS		Highway	
Electricity	RTSL10086298		RTSL10086299	
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	358		Battery Energy Capacity	228
Battery Specific Energy	173		Battery Charger Type	On-Board
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	No
Mfr Regenerative Braking Description	--			
Drive Motor(s)/Generator(s)	2			
Motor/Generator Type 1	AC Induction		Rated Motor/Generator Power	88
Motor/Generator Type 2	AC 3 PHASE PERMANENT MAGNET		Rated Motor/Generator Power	208
Mfr Fuel Cell Description	--			
Fuel Cell On-Board H2 Storage Capacity (kg)	--		Usable H2 Fill Capacity (kg)	--
Mfr Hybrid Electric/ Electric Vehicle Comments	MY2027 certification includes 4 carlines (Model 3 Premium AWD, Model 3 Performance, Model 3 Performance AWD, Model 3 Premium AWD-I) Carline 93 Listed in CSI Carline 94 Battery Energy Capacity (Ah): 240 Total Voltage of Pack (V): 354 Battery Specific Energy (Whr/kg): 182 Front Rated Motor Power (kW): 76 Rear Rated Motor Power (kW): 204 Carline 95 Battery Energy Capacity (Ah): 246 Total Voltage of Pack (V): 346 Battery Specific Energy (Whr/kg): 184 Carline 95 & 96 Front Rated Motor Power (kW): 98 Rear Rated Motor Power (kW): 282			

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Test Group	VTSLV00.0L23	Evaporative/Refueling Family	--																						
Emission Data Vehicle Information																									
Vehicle ID / Configuration	3D224-758491 / 0	Manufacturer Vehicle Configuration Number	0																						
Original Test Group Name	RTSLV00.0L23	Original Evaporative/Refueling Family	--																						
Original Test Vehicle Model Year	2024																								
Vehicle Model																									
Represented Test Vehicle Make	Tesla	Represented Test Vehicle Model	Model 3 Long Range AWD-E																						
Leak Family Details																									
Leak Family Identifier	--	Leak Family Name	--																						
Drive Sources and Fuel System Details																									
<table><tr><td>Drive Source and Fuel#</td><td>Drive Source</td><td>Fuel</td></tr><tr><td>1</td><td>Electric Motor</td><td>Electricity</td></tr></table>				Drive Source and Fuel#	Drive Source	Fuel	1	Electric Motor	Electricity																
Drive Source and Fuel#	Drive Source	Fuel																							
1	Electric Motor	Electricity																							
Hybrid Indicator	No																								
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	1	Odometer Correction Factor	1																						
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor																								
Odometer Correction Units	Miles																								
Engine Code	L23	Rated Horsepower	397																						
Displacement (liters)	0.001																								
Air Aspiration Method	Naturally Aspirated	Air Aspiration Method, if 'Other'																							
Number of Air Aspiration Devices	--	Air Aspiration Device Configuration	--																						
Charge Air Cooler Type	--	Drive Mode While Testing	All Wheel Drive																						
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)																						
Curb Weight (lbs)	4030	Equivalent Test Weight (pounds)	4250																						
GVWR (lbs)	4954	N/V Ratio	115																						
Axle Ratio	1																								
Transmission Type	Automatic	# of Transmission Gears	1																						
Transmission Lockup	No	Creep Gear	No																						
Dynamometer Coefficients:																									
<table><tr><td colspan="3">Target Coefficients</td><td colspan="3">Set Coefficients</td><td rowspan="2">EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients</td></tr><tr><td>Coefficient Category</td><td>A (lbf)</td><td>B (lbf/mph)</td><td>C (lbf/mph**2)</td><td>A (lbf)</td><td>B (lbf/mph)</td><td>C (lbf/mph**2)</td></tr><tr><td>City/Highway/Evap</td><td>30.98</td><td>0.1596</td><td>0.0141</td><td>-3.45</td><td>0.0734</td><td>0.0131</td><td>9.9</td></tr></table>				Target Coefficients			Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients	Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	City/Highway/Evap	30.98	0.1596	0.0141	-3.45	0.0734	0.0131	9.9
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City/Highway/Evap	30.98	0.1596	0.0141	-3.45	0.0734	0.0131	9.9																		
Emission Control Device Comments	No Emissions Control Device - Pure Electric																								

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Test Group	VTSLV00.0L23	Evaporative/Refueling Family	--
Manufacturer Test Vehicle Comments	This is MY2024 Model 3 Long Range AWD-E; Front Motor Power - 88 kW; Rear Motor Power - 208 kW;		

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Test Group		VTSLV00.0L23			Evaporative/Refueling Family				--			
Manufacturer Test Comments		Internal Test results for MY2024 Model 3 Long Range AWD-E. Range determined by using SAE J1634 Multi-cycle test procedure. END-SOC 80099 wh (system gave error limited to 4 digits). MCT dc wh/mi is attached with EPA application. DC energy consumption UDDS1 = 175.35 Wh/mi; UDDS2 = 159.56 Wh/mi; UDDS3 = 153.51 Wh/mi; UDDS4 = 153.37 Wh/mi; UDDS weighted = 155.8 Wh/mi; UDDS1 DC discharge energy = 1305 Wh; MCT UBE energy = 80099 Wh										
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 4 Bin 0	CO	0	--	--	--	0	--	0	0	Pass
Fed	150,000 miles	Federal Tier 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CO	0	--	--	--	0	--	0	0	Pass
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--

Certification Summary Information Report

Test Group	VTSLV00.0L23	Evaporative/Refueling Family	--
Test #	RTSL10086299	Test Procedure	84 - Charge Depleting Highway
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	05/09/2024	Fuel	Electricity
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	LDV/Passenger Car	DF Type	EPA Assigned
Verify Test Lab ID	Tesla Kato		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	2191	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	208	Recharge Event Energy (kiloWatt-hours)	90.946
Charge Depleting Range (Calculated miles)	469	Charge Depleting Range (Actual miles)	469
Charge Depleting Range Highway (Calculated miles)	--	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	469
Number of Charge Depleting Bags/Phases Conducted	2	Transition Bag/Phase Number	--
Charge Depleting Bag/Phase #1			
Test Result/Emission Name		Unrounded Test Result	
Actual Distance Driven (miles)		0	
Carbon Monoxide		0	
Carbon dioxide		0	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		16.6623	
Drive Trace Energy Economy Rating		3.3466	
Drive Trace Inertia Work Ratio Rating		21.0054	
Integrated DC KW-HRS		0	
Manufacturer Fuel Economy		173.67	
Nitrogen Oxide		0	
Non-methane organic gases		0	
Non-methane organic gases plus Nitrogen Oxides		999.999	
Particulate Matter		0	
System End State of Charge Watt-hours		80.099	
System Start State of Charge Watt-hours		0	

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Test Group		VTSLV00.0L23				Evaporative/Refueling Family				--		
Manufacturer Test Comments		Internal Test results for MY2024 Model 3 Long Range AWD-E. Range determined by using SAE J1634 Multi-cycle test procedure. END-SOC - 80099 wh (System error limited to 4 digits). MCT dc wh/mi is attached with application. DC energy consumption HWFE1 = 173.96 Wh/mi; HWFE2 = 167.91 Wh/mi; HWFE average = 170.93 Wh/mi										
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 4 Bin 0	CO	0	--	--	--	0	--	0	0	Pass
Fed	150,000 miles	Federal Tier 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CO	0	--	--	--	0	--	0	0	Pass
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--

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Test Group	VTSLV00.0L23	Evaporative/Refueling Family	--
Test #	TTSL10092345	Test Procedure	77 - Multi-Cycle Test (MCT)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	09/19/2025	Fuel	Electricity
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	LDV/Passenger Car	DF Type	EPA Assigned
Verify Test Lab ID	Tesla Kato		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	2428	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	208	Recharge Event Energy (kiloWatt-hours)	91.051
Charge Depleting Range (Calculated miles)	463.396	Charge Depleting Range (Actual miles)	463.396
Charge Depleting Range Highway (Calculated miles)	413.843	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	463.396
Number of Charge Depleting Bags/Phases Conducted	8	Transition Bag/Phase Number	--
Charge Depleting Bag/Phase #1			
Test Result/Emission Name		Unrounded Test Result	
Actual Distance Driven (miles)		7.465	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		1.4901	
Drive Trace Energy Economy Rating		1.0394	
Drive Trace Inertia Work Ratio Rating		2.242	
Integrated DC KW-HRS		1.473	
Manufacturer Fuel Economy		19.732	
Charge Depleting Bag/Phase #2			

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Test Group	VTSLV00.0L23	Evaporative/Refueling Family	--																
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.259</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>2.6226</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.3191</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>3.4171</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.0075</td></tr><tr><td>Manufacturer Fuel Economy</td><td>19.569</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.259	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	2.6226	Drive Trace Energy Economy Rating	0.3191	Drive Trace Inertia Work Ratio Rating	3.4171	Integrated DC KW-HRS	2.0075	Manufacturer Fuel Economy	19.569		
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Integrated DC KW-HRS	2.0075																		
Manufacturer Fuel Economy	19.569																		
Charge Depleting Bag/Phase #3																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.465</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>1.5653</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.9521</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>2.65</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.3157</td></tr><tr><td>Manufacturer Fuel Economy</td><td>17.624</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.465	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.5653	Drive Trace Energy Economy Rating	0.9521	Drive Trace Inertia Work Ratio Rating	2.65	Integrated DC KW-HRS	1.3157	Manufacturer Fuel Economy	17.624		
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Manufacturer Fuel Economy	17.624																		
Charge Depleting Bag/Phase #4																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>270.65</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>5.5521</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.8996</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>11.1906</td></tr><tr><td>Integrated DC KW-HRS</td><td>66.141</td></tr><tr><td>Manufacturer Fuel Economy</td><td>24.438</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	270.65	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	5.5521	Drive Trace Energy Economy Rating	0.8996	Drive Trace Inertia Work Ratio Rating	11.1906	Integrated DC KW-HRS	66.141	Manufacturer Fuel Economy	24.438		
Test Result/Emission Name	Unrounded Test Result																		
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Carbon-Related Exhaust Emissions	0																		
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Drive Trace Inertia Work Ratio Rating	11.1906																		
Integrated DC KW-HRS	66.141																		
Manufacturer Fuel Economy	24.438																		
Charge Depleting Bag/Phase #5																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.454</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>1.7208</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.7513</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>2.7039</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.258</td></tr><tr><td>Manufacturer Fuel Economy</td><td>16.877</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.454	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.7208	Drive Trace Energy Economy Rating	0.7513	Drive Trace Inertia Work Ratio Rating	2.7039	Integrated DC KW-HRS	1.258	Manufacturer Fuel Economy	16.877		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	7.454																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	1.7208																		
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Drive Trace Inertia Work Ratio Rating	2.7039																		
Integrated DC KW-HRS	1.258																		
Manufacturer Fuel Economy	16.877																		
Charge Depleting Bag/Phase #6																			

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Test Group	VTSLV00.0L23	Evaporative/Refueling Family	--																
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.249</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>5.067</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>1.4931</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>5.9817</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.9489</td></tr><tr><td>Manufacturer Fuel Economy</td><td>19.015</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.249	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	5.067	Drive Trace Energy Economy Rating	1.4931	Drive Trace Inertia Work Ratio Rating	5.9817	Integrated DC KW-HRS	1.9489	Manufacturer Fuel Economy	19.015		
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Drive Trace Inertia Work Ratio Rating	5.9817																		
Integrated DC KW-HRS	1.9489																		
Manufacturer Fuel Economy	19.015																		
Charge Depleting Bag/Phase #7																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.456</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>1.7517</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>1.407</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>2.6807</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.2707</td></tr><tr><td>Manufacturer Fuel Economy</td><td>17.044</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.456	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.7517	Drive Trace Energy Economy Rating	1.407	Drive Trace Inertia Work Ratio Rating	2.6807	Integrated DC KW-HRS	1.2707	Manufacturer Fuel Economy	17.044		
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Drive Trace Inertia Work Ratio Rating	2.6807																		
Integrated DC KW-HRS	1.2707																		
Manufacturer Fuel Economy	17.044																		
Charge Depleting Bag/Phase #8																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>18.09</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>2.0711</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.2488</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>4.1692</td></tr><tr><td>Integrated DC KW-HRS</td><td>4.4235</td></tr><tr><td>Manufacturer Fuel Economy</td><td>24.453</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	18.09	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	2.0711	Drive Trace Energy Economy Rating	-0.2488	Drive Trace Inertia Work Ratio Rating	4.1692	Integrated DC KW-HRS	4.4235	Manufacturer Fuel Economy	24.453		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	18.09																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	2.0711																		
Drive Trace Energy Economy Rating	-0.2488																		
Drive Trace Inertia Work Ratio Rating	4.1692																		
Integrated DC KW-HRS	4.4235																		
Manufacturer Fuel Economy	24.453																		
Manufacturer Test Comments																			
		--																	

Certification Summary Information Report

Test Group		VTSLV00.0L23			Evaporative/Refueling Family				--			
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 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--

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Certification Summary Information Report

Test Group	VTSLV00.0L23	Evaporative/Refueling Family	--
Test #	TTSL10092893	Test Procedure	77 - Multi-Cycle Test (MCT)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	12/18/2025	Fuel	Electricity
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	LDV/Passenger Car	DF Type	EPA Assigned
Verify Test Lab ID	National Vehicle and Fuel Emissions Laboratory		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	2541	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	249	Recharge Event Energy (kiloWatt-hours)	95.3102
Charge Depleting Range (Calculated miles)	471.305	Charge Depleting Range (Actual miles)	471.305
Charge Depleting Range Highway (Calculated miles)	426.815	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	471.305
Number of Charge Depleting Bags/Phases Conducted	8	Transition Bag/Phase Number	--
Charge Depleting Bag/Phase #1			
Test Result/Emission Name		Unrounded Test Result	
Actual Distance Driven (miles)		7.409	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		-0.31	
Drive Trace Energy Economy Rating		-0.225	
Drive Trace Inertia Work Ratio Rating		-0.302	
Integrated DC KW-HRS		1.42124	
Manufacturer Fuel Economy		19.184	
Charge Depleting Bag/Phase #2			

Certification Summary Information Report

Test Group	VTSLV00.0L23	Evaporative/Refueling Family	--
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	10.244
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	2.23
		Drive Trace Energy Economy Rating	-0.263
		Drive Trace Inertia Work Ratio Rating	2.828
		Integrated DC KW-HRS	2.0205
		Manufacturer Fuel Economy	19.724
Charge Depleting Bag/Phase #3			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	7.427
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	1.04
		Drive Trace Energy Economy Rating	0.826
		Drive Trace Inertia Work Ratio Rating	1.598
		Integrated DC KW-HRS	1.339
		Manufacturer Fuel Economy	18.028
Charge Depleting Bag/Phase #4			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	258.129
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	0
		Drive Trace Energy Economy Rating	0
		Drive Trace Inertia Work Ratio Rating	0
		Integrated DC KW-HRS	63.31193
		Manufacturer Fuel Economy	24.527
Charge Depleting Bag/Phase #5			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	7.403
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	0.33
		Drive Trace Energy Economy Rating	0.663
		Drive Trace Inertia Work Ratio Rating	0.819
		Integrated DC KW-HRS	1.29887
		Manufacturer Fuel Economy	17.545
Charge Depleting Bag/Phase #6			

Certification Summary Information Report

Test Group	VTSLV00.0L23	Evaporative/Refueling Family	--																
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.257</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>2.81</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.023</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>3.649</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.98305</td></tr><tr><td>Manufacturer Fuel Economy</td><td>19.334</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.257	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	2.81	Drive Trace Energy Economy Rating	-0.023	Drive Trace Inertia Work Ratio Rating	3.649	Integrated DC KW-HRS	1.98305	Manufacturer Fuel Economy	19.334
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	10.257																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	2.81																		
Drive Trace Energy Economy Rating	-0.023																		
Drive Trace Inertia Work Ratio Rating	3.649																		
Integrated DC KW-HRS	1.98305																		
Manufacturer Fuel Economy	19.334																		
Charge Depleting Bag/Phase #7																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.432</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.57</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.467</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>1.124</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.29343</td></tr><tr><td>Manufacturer Fuel Economy</td><td>17.405</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.432	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.57	Drive Trace Energy Economy Rating	0.467	Drive Trace Inertia Work Ratio Rating	1.124	Integrated DC KW-HRS	1.29343	Manufacturer Fuel Economy	17.405
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	7.432																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	0.57																		
Drive Trace Energy Economy Rating	0.467																		
Drive Trace Inertia Work Ratio Rating	1.124																		
Integrated DC KW-HRS	1.29343																		
Manufacturer Fuel Economy	17.405																		
Charge Depleting Bag/Phase #8																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>44.678</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>0</td></tr><tr><td>Integrated DC KW-HRS</td><td>10.68367</td></tr><tr><td>Manufacturer Fuel Economy</td><td>23.913</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	44.678	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0	Drive Trace Energy Economy Rating	0	Drive Trace Inertia Work Ratio Rating	0	Integrated DC KW-HRS	10.68367	Manufacturer Fuel Economy	23.913
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	44.678																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	0																		
Drive Trace Energy Economy Rating	0																		
Drive Trace Inertia Work Ratio Rating	0																		
Integrated DC KW-HRS	10.68367																		
Manufacturer Fuel Economy	23.913																		
Manufacturer Test Comments																			
NVFEL Laboratory Test Data - Vehicle Emission Test Results Test Record #: D006_202512180659_00295 DT-ASCR, DT-EER, DT-IWRR: No data for CSC Phase 4 & 8.																			

Certification Summary Information Report

Test Group		VTSLV00.0L23			Evaporative/Refueling Family				--			
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 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--

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Certification Summary Information Report

Test Group	VTSLV00.0L23	Evaporative/Refueling Family	--
Manufacturer Test Vehicle Comments	This is 2026 Model 3 Premium AWD-I; Front Motor Power - 76 kW; Rear Motor Power - 204 kW;		

Certification Summary Information Report

Test Group	VTSLV00.0L23	Evaporative/Refueling Family	--
Test #	TTSL10093981	Test Procedure	77 - Multi-Cycle Test (MCT)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	04/20/2026	Fuel	Electricity
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	LDV/Passenger Car	DF Type	EPA Assigned
Verify Test Lab ID	R&D Innovation Center, Tesla Gigafactory Shanghai		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	2638	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	208	Recharge Event Energy (kiloWatt-hours)	93.9215
Charge Depleting Range (Calculated miles)	531.18	Charge Depleting Range (Actual miles)	531.18
Charge Depleting Range Highway (Calculated miles)	482.542	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	531.18
Number of Charge Depleting Bags/Phases Conducted	8	Transition Bag/Phase Number	--
Charge Depleting Bag/Phase #1			
Test Result/Emission Name		Unrounded Test Result	
Actual Distance Driven (miles)		7.442	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		-0.7385	
Drive Trace Energy Economy Rating		-1.5138	
Drive Trace Inertia Work Ratio Rating		-1.4193	
Integrated DC KW-HRS		1.2517	
Manufacturer Fuel Economy		16.818	
Charge Depleting Bag/Phase #2			

Certification Summary Information Report

Test Group	VTSLV00.0L23	Evaporative/Refueling Family	--
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	10.278
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	4.7383
		Drive Trace Energy Economy Rating	1.0394
		Drive Trace Inertia Work Ratio Rating	6.4236
		Integrated DC KW-HRS	1.7859
		Manufacturer Fuel Economy	17.376
Charge Depleting Bag/Phase #3			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	7.439
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	-0.1935
		Drive Trace Energy Economy Rating	-0.459
		Drive Trace Inertia Work Ratio Rating	0.1425
		Integrated DC KW-HRS	1.1741
		Manufacturer Fuel Economy	15.783
Charge Depleting Bag/Phase #4			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	334.206
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	3.5667
		Drive Trace Energy Economy Rating	-0.0096
		Drive Trace Inertia Work Ratio Rating	7.1501
		Integrated DC KW-HRS	70.8771
		Manufacturer Fuel Economy	21.208
Charge Depleting Bag/Phase #5			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	7.44
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	-0.7352
		Drive Trace Energy Economy Rating	-1.3219
		Drive Trace Inertia Work Ratio Rating	-0.9754
		Integrated DC KW-HRS	1.1351
		Manufacturer Fuel Economy	15.257
Charge Depleting Bag/Phase #6			

Certification Summary Information Report

Test Group	VTSLV00.0L23	Evaporative/Refueling Family	--																
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.269</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>3.1549</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.1093</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>4.5512</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.7375</td></tr><tr><td>Manufacturer Fuel Economy</td><td>16.92</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.269	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	3.1549	Drive Trace Energy Economy Rating	0.1093	Drive Trace Inertia Work Ratio Rating	4.5512	Integrated DC KW-HRS	1.7375	Manufacturer Fuel Economy	16.92		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	10.269																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	3.1549																		
Drive Trace Energy Economy Rating	0.1093																		
Drive Trace Inertia Work Ratio Rating	4.5512																		
Integrated DC KW-HRS	1.7375																		
Manufacturer Fuel Economy	16.92																		
Charge Depleting Bag/Phase #7																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.442</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-0.7387</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.9432</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-0.7446</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.1637</td></tr><tr><td>Manufacturer Fuel Economy</td><td>15.636</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.442	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-0.7387	Drive Trace Energy Economy Rating	-0.9432	Drive Trace Inertia Work Ratio Rating	-0.7446	Integrated DC KW-HRS	1.1637	Manufacturer Fuel Economy	15.636		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	7.442																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	-0.7387																		
Drive Trace Energy Economy Rating	-0.9432																		
Drive Trace Inertia Work Ratio Rating	-0.7446																		
Integrated DC KW-HRS	1.1637																		
Manufacturer Fuel Economy	15.636																		
Charge Depleting Bag/Phase #8																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>17.024</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>1.0423</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-1.4648</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>2.0881</td></tr><tr><td>Integrated DC KW-HRS</td><td>3.6212</td></tr><tr><td>Manufacturer Fuel Economy</td><td>21.271</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	17.024	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.0423	Drive Trace Energy Economy Rating	-1.4648	Drive Trace Inertia Work Ratio Rating	2.0881	Integrated DC KW-HRS	3.6212	Manufacturer Fuel Economy	21.271		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	17.024																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	1.0423																		
Drive Trace Energy Economy Rating	-1.4648																		
Drive Trace Inertia Work Ratio Rating	2.0881																		
Integrated DC KW-HRS	3.6212																		
Manufacturer Fuel Economy	21.271																		
Manufacturer Test Comments																			
--																			

Certification Summary Information Report

Test Group		VTSLV00.0L23			Evaporative/Refueling Family					--		
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 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 4 Bin 0	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
Fuel Properties												

Certification Summary Information Report

Test Group		VTSLV00.0L23			Evaporative/Refueling Family			--	
Consolidated List of Standards									
Exhaust Standards									
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			California ZEV	
Fuel		Electricity			Test Procedure			Multi-Cycle Test (MCT)	
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	0
150,000 miles	CO-COMP	--	--	--	--	--	--	0	0
150,000 miles	CREE	--	--	--	--	--	--	0	0
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	0	0
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			California ZEV	
Fuel		Electricity			Test Procedure			Charge Depleting Highway	
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	0
150,000 miles	CO-COMP	--	--	--	--	--	--	0	0
150,000 miles	CREE	--	--	--	--	--	--	0	0
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	0	0
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			California ZEV	
Fuel		Electricity			Test Procedure			Charge Depleting UDDS	
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	0
150,000 miles	CO-COMP	--	--	--	--	--	--	0	0
150,000 miles	CREE	--	--	--	--	--	--	0	0
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	0	0

Certification Summary Information Report

Test Group		VTSLV00.0L23			Evaporative/Refueling Family			--	
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 4 Bin 0	
Fuel		Electricity			Test Procedure			Charge Depleting Highway	
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	0
150,000 miles	CO-COMP	--	--	--	--	--	--	0	0
150,000 miles	CREE	--	--	--	--	--	--	0	0
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	0	0
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 4 Bin 0	
Fuel		Electricity			Test Procedure			Charge Depleting UDDS	
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	0
150,000 miles	CO-COMP	--	--	--	--	--	--	0	0
150,000 miles	CREE	--	--	--	--	--	--	0	0
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	0	0
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			California ZEV	
Fuel		Electricity			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
150,000 miles	CO	--	--	--	--	--	--	0	0

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Test Group		VTSLV00.0L23			Evaporative/Refueling Family			--	
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 4 Bin 0	
Fuel		Electricity			Test Procedure			Multi-Cycle Test (MCT)	
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	0
150,000 miles	CO-COMP	--	--	--	--	--	--	0	0
150,000 miles	CREE	--	--	--	--	--	--	0	0
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	0	0
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 4 Bin 0	
Fuel		Electricity			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
150,000 miles	CO	--	--	--	--	--	--	0	0

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

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Test Group		VTSLV00.0L23	Evaporative/Refueling Family		--
ACT-DISTANCE	Actual Distance Driven (miles)		WATT-HRS BAG 3	Bag 3 Watt Hours	
AS-VOLT	Average System Voltage		WATT-HRS BAG 4	Bag 4 Watt Hours	
CO2 BAG 1	Bag 1 Carbon Dioxide		WATT-HRS	Watt Hours	
CO2 BAG 2	Bag 2 Carbon Dioxide		HC-NM BAG 1	Bag 1 Non-methane Hydrocarbon	
CO2 BAG 3	Bag 3 Carbon Dioxide		HC-NM BAG 2	Bag 2 Non-methane Hydrocarbon	
CO2 BAG 4	Bag 4 Carbon Dioxide		HC-NM BAG 3	Bag 3 Non-methane Hydrocarbon	
NMOG+NOX	Non-methane organic gases plus Nitrogen Oxides		HC-NM BAG 4	Bag 4 Non-methane Hydrocarbon	
NMOG+NOX-COMP	SFTP Composite Non-methane Organic Gases + Nitrogen Oxides		N2O BAG 1	Bag 1 Nitrous Oxide	
DT-IWRR	Drive Trace Inertia Work Ratio Rating		N2O BAG 2	Bag 2 Nitrous Oxide	
DT-ASCR	Drive Trace Absolute Speed Change Rating		N2O BAG 3	Bag 3 Nitrous Oxide	
DT-EER	Drive Trace Energy Economy Rating		N2O BAG 4	Bag 4 Nitrous Oxide	
Certification Region					
CA	California + CAA Section 177 states		FA	Federal	
Exhaust Emission Standard Level					
B1	Federal Tier 2 Bin 1		HDV2B340	Federal Tier 3 HD Class 2b Transitional Bin 340	
B2	Federal Tier 2 Bin 2		HDV2B250	Federal Tier 3 HD Class 2b Bin 250	
B3	Federal Tier 2 Bin 3		HDV2B200	Federal Tier 3 HD Class 2b Bin 200	
B4	Federal Tier 2 Bin 4		HDV2B170	Federal Tier 3 HD Class 2b Bin 170	
B5	Federal Tier 2 Bin 5		HDV2B150	Federal Tier 3 HD Class 2b Bin 150	
B6	Federal Tier 2 Bin 6		HDV2B0	Federal Tier 3 HD Class 2b Bin 0	
B7	Federal Tier 2 Bin 7		HDV3B630	Federal Tier 3 HD Class 3 Transitional Bin 630	
B8	Federal Tier 2 Bin 8		HDV3B570	Federal Tier 3 HD Class 3 Transitional Bin 570	
B9	Federal Tier 2 Bin 9		HDV3B400	Federal Tier 3 HD Class 3 Bin 400	
B10	Federal Tier 2 Bin 10		HDV3B270	Federal Tier 3 HD Class 3 Bin 270	
B11	Federal Tier 2 Bin 11		HDV3B230	Federal Tier 3 HD Class 3 Bin 230	
HDV1	HDV1 (Federal HD chassis Class 2b GVW 8501-10000)		HDV3B200	Federal Tier 3 HD Class 3 Bin 200	
HDV2	HDV2 (Federal HD chassis Class 3 GVW 10001-14000)		HDV3B0	Federal Tier 3 HD Class 3 Bin 0	
L2	California LEV-II LEV		L4SULEV100	California LEV-IV SULEV100	
L2OP	California LEV-II LEV Optional		L4SULEV125	California LEV-IV SULEV125	
U2	California LEV-II ULEV		L4SULEV15	California LEV-IV SULEV15	
S2	California LEV-II SULEV		L4SULEV150	California LEV-IV SULEV150	
ZEV	California ZEV		L4SULEV170	California LEV-IV SULEV170	
OT	Other		L4SULEV175	California LEV-IV SULEV175	
T1	Federal Tier 1		L4SULEV20	California LEV-IV SULEV20	
PZEV	California PZEV		L4SULEV200	California LEV-IV SULEV200	
L2LEV160	California LEV-II LEV160		L4SULEV230	California LEV-IV SULEV230	
L2ULEV125	California LEV-II ULEV125		L4SULEV25	California LEV-IV SULEV25	
L2SULEV30	California LEV-II SULEV30		L4SULEV30	California LEV-IV SULEV30	
L2LEV395	California LEV-II LEV395		L4SULEV75	California LEV-IV SULEV75	

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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		

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Test Group		VTSLV00.0L23	Evaporative/Refueling Family		--
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	