



### Certification Summary Information Report

<b>Test Group</b>		TFMXV00.0G4A			<b>Evaporative/Refueling Family</b>			--				
<b>Models Covered by this Certificate</b>												
Carline Manufacturer		Division	Carline	Certification Region Code(s)	Drive System	Trans - Type	- # of Gears		Trans - Lockup			
Ford Motor Company		1 - Ford	16 - MUSTANG MACH-E GT	California + CAA Section 177 states	All Wheel Drive	Automatic	1		No			
Ford Motor Company		1 - Ford	3 - MUSTANG MACH-E RALLY	California + CAA Section 177 states	All Wheel Drive	Automatic	1		No			
Ford Motor Company		1 - Ford	171 - POLICE SPECIAL SERVICE VEHICLE	California + CAA Section 177 states	All Wheel Drive	Automatic	1		No			
Ford Motor Company		1 - Ford	3 - MUSTANG MACH-E RALLY	Federal	All Wheel Drive	Automatic	1		No			
Ford Motor Company		1 - Ford	171 - POLICE SPECIAL SERVICE VEHICLE	Federal	All Wheel Drive	Automatic	1		No			
Ford Motor Company		1 - Ford	16 - MUSTANG MACH-E GT	Federal	All Wheel Drive	Automatic	1		No			
<b>Engine Description</b>												
<b>Hybrid Type</b>				--			<b>Hybrid Description</b>				--	
<b>Engine Type</b>				--			<b>Mfr Engine Description</b>				--	
<b>Engine Block Arrangement</b>				--			<b>Mfr Engine Block Arrangement Description</b>				--	
<b>Camless Valvetrain Indicator</b>				--			<b>Oil Viscosity/Classification</b>				--	
<b>Number of Cylinders/Rotors</b>				--			<b>Mechanically Variable Compression Ratio Indicator</b>				--	
<b>After Treatment Device(s) (ATD)</b>												
<b>Mfr After Treatment Device (ATD) Comments</b>				--								
<b>Direct Ozone Reduction (DOR) Device</b>				--								
<b>Mfr Emission Control Device Comments</b>				--								
<b>Official Test Numbers</b>												
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		--	--	--	--	--	--	--	--	--	--	
<b>Official Charge Depleting Test Numbers</b>												
Test Group	Fuel	UDDS			Highway							
Electricity		--			--							

## Certification Summary Information Report

Test Group	TFMXV00.0G4A	Evaporative/Refueling Family	--
<b>Hybrid Electric Vehicle And Fuel Cell Information</b>			
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	370	Battery Energy Capacity	285.4
Battery Specific Energy	162.8	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 permanent magnet synchronou	Rated Motor/Generator Power	179
Motor/Generator Type 2	AC permanent magnet synchronou	Rated Motor/Generator Power	179
Mfr Fuel Cell Description	--		
Fuel Cell On-Board H2 Storage Capacity (kg)	--	Usable H2 Fill Capacity (kg)	--
Mfr Hybrid Electric/ Electric Vehicle Comments	This is a pure BEV vehicle. The Drive Motors are both AC permanent magnet synchronous machines.		

### Certification Summary Information Report

<b>Test Group</b>	TFMXV00.0G4A	<b>Evaporative/Refueling Family</b>	--
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**Emission Data Vehicle Information**

Vehicle ID / Configuration	RMA00015 / 0	Manufacturer Vehicle Configuration Number	0
Original Test Group Name	RFMXV00.0G4A	Original Evaporative/Refueling Family	--
Original Test Vehicle Model Year	2024		
<b>Vehicle Model</b>			
Represented Test Vehicle Make	Ford	Represented Test Vehicle Model	Mustang Mach-E GT

**Leak Family Details**

Leak Family Identifier	--	Leak Family Name	--
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**Drive Sources and Fuel System Details**

Drive Source and Fuel#	Drive Source	Fuel
1	Electric Motor	Electricity

Hybrid Indicator	No	Multiple Fuel Combustion	--
Multiple Fuel Storage	--	Rechargeable Energy Storage System Indicator	Yes
Fuel Cell Indicator	No	Rechargeable Energy Storage System, if 'Other'	--
Rechargeable Energy Storage System	Battery(s)		
Off-board charge Capable Indicator	Yes	Odometer Correction Factor	1.03
Odometer Correction -- Initial	0	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles	
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles		
Odometer Correction Units	Miles	Rated Horsepower	480
Engine Code	RCGWEKNF0002	Air Aspiration Method, if 'Other'	BEV
Displacement (liters)	0.001	Air Aspiration Device Configuration	--
Air Aspiration Method	Naturally Aspirated	Drive Mode While Testing	All Wheel Drive
Number of Air Aspiration Devices	--	Aged Emission Components	4,000 (mi)
Charge Air Cooler Type	N/A	Equivalent Test Weight (pounds)	5250
Shift Indicator Light Usage	Not equipped	N/V Ratio	117.8
Curb Weight (lbs)	5006	# of Transmission Gears	1
GVWR (lbs)	5980	Creeper Gear	No
Axle Ratio	9.72		
Transmission Type	BEV		
Transmission Lockup	No		

**Dynamometer Coefficients:**

Coefficient Category	Target Coefficients			Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients
	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	
City/Highway/Evap	38.42	0.2578	0.0199	-8.26	0.1468	0.01833	13.5

Emission Control Device Comments      BEV

### Certification Summary Information Report

<b>Test Group</b>	TFMXV00.0G4A	<b>Evaporative/Refueling Family</b>	--
<b>Manufacturer Test Vehicle Comments</b>	Ford Mustang Mach-E GT		

## Certification Summary Information Report

Test Group	TFMXV00.0G4A	Evaporative/Refueling Family	--
<b>Test #</b>	<b>RFMX10083371</b>	<b>Test Procedure</b>	<b>77 - Multi-Cycle Test (MCT)</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	62 - Electricity
<b>Test Date</b>	11/16/2023	<b>Fuel</b>	Electricity
<b>Fuel Batch ID</b>	--	<b>Fuel Calibration Number</b>	--
<b>Vehicle Class</b>	LDV/Passenger Car	<b>DF Type</b>	Mfr. Assigned
<b>Verify Test Lab ID</b>	APTL		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	2719	<b>Odometer Units</b>	M
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	Yes		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	<b>Road Speed Fan Usage</b>	Yes
<b>PHEV/EV Charge Depleting Test Information</b>			
<b>Recharge Event Voltage</b>	240	<b>Recharge Event Energy (kiloWatt-hours)</b>	106.554
<b>Charge Depleting Range (Calculated miles)</b>	429.111	<b>Charge Depleting Range (Actual miles)</b>	429.111
<b>Charge Depleting Range Highway (Calculated miles)</b>	383.217	<b>Derived 5-Cycle Coefficient Model Year</b>	--
<b>All Electric Range Unadjusted (miles)</b>	--	<b>Equivalent All Electric Range (miles)</b>	429.111
<b>Number of Charge Depleting Bags/Phases Conducted</b>	8	<b>Transition Bag/Phase Number</b>	--
<b>Charge Depleting Bag/Phase #1</b>			
<b>Test Result/Emission Name</b>		<b>Unrounded Test Result</b>	
Actual Distance Driven (miles)		7.46	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		0.22	
Drive Trace Energy Economy Rating		0.06	
Drive Trace Inertia Work Ratio Rating		0.56	
Integrated DC KW-HRS		1.806	
Manufacturer Fuel Economy		24.214	
<b>Charge Depleting Bag/Phase #2</b>			

## Certification Summary Information Report

Test Group	TFMXV00.0G4A	Evaporative/Refueling Family	--																
<table border="1"> <thead> <tr> <th>Test Result/Emission Name</th> <th>Unrounded Test Result</th> </tr> </thead> <tbody> <tr> <td>Actual Distance Driven (miles)</td> <td>10.27</td> </tr> <tr> <td>Carbon-Related Exhaust Emissions</td> <td>0</td> </tr> <tr> <td>Drive Trace Absolute Speed Change Rating</td> <td>1.93</td> </tr> <tr> <td>Drive Trace Energy Economy Rating</td> <td>-0.16</td> </tr> <tr> <td>Drive Trace Inertia Work Ratio Rating</td> <td>2.86</td> </tr> <tr> <td>Integrated DC KW-HRS</td> <td>2.595</td> </tr> <tr> <td>Manufacturer Fuel Economy</td> <td>25.264</td> </tr> </tbody> </table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.27	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.93	Drive Trace Energy Economy Rating	-0.16	Drive Trace Inertia Work Ratio Rating	2.86	Integrated DC KW-HRS	2.595	Manufacturer Fuel Economy	25.264
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Manufacturer Fuel Economy	25.264																		
<b>Charge Depleting Bag/Phase #3</b>																			
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<b>Charge Depleting Bag/Phase #4</b>																			
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<b>Charge Depleting Bag/Phase #5</b>																			
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Drive Trace Inertia Work Ratio Rating	0.59																		
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Manufacturer Fuel Economy	21.413																		
<b>Charge Depleting Bag/Phase #6</b>																			

## Certification Summary Information Report

<b>Test Group</b>	TFMXV00.0G4A	Evaporative/Refueling Family	--
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Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.279
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	9.86
Drive Trace Energy Economy Rating	1.94
Drive Trace Inertia Work Ratio Rating	12.66
Integrated DC KW-HRS	2.484
Manufacturer Fuel Economy	24.165

## Charge Depleting Bag/Phase #7

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.46
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	1.19
Drive Trace Energy Economy Rating	0.71
Drive Trace Inertia Work Ratio Rating	1.63
Integrated DC KW-HRS	1.64
Manufacturer Fuel Economy	21.988

## Charge Depleting Bag/Phase #8

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	40.974
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	1.17
Drive Trace Energy Economy Rating	0.55
Drive Trace Inertia Work Ratio Rating	2.39
Integrated DC KW-HRS	12.45
Manufacturer Fuel Economy	30.386

## Manufacturer Test Comments

Mustang Mach-E GT. MCT ran 11/16/2023. Recharge time 35614sec / 9.89hrs Range (miles) Unadjusted With 0.7 Adjustment City 429.1109 300.38 Highway 383.2173 268.25 Combined 408.4587 285.92 DC Energy Consumption (W-hr / miles) (Unweighted) ECdc UDDS\_1 -242.14 ECdc HFEDS\_1 -252.64 ECdc UDDS\_2 -226.89 ECdc UDDS\_3 -214.13 ECdc HFEDS\_2 -241.65 ECdc UDDS\_4 -219.88 DC Energy Consumption (W-hr / miles) (Weighted) ECdc city -220.71 ECdc highway -247.14 Driver metrics by phase - middle CSC = phases 4/5/6/7 Phase EER ASCR IWR % % 1 0.06 0.22 0.56 2 0.16 1.93 2.86 3 0.56 0.81 0.83 8 0.04 0.18 0.59 9 1.94 9.96 12.66 10 0.71 1.19 1.63 Total 0.55 1.17 2.39 Note drive metrics not recorded during steady state sections. Metrics for total test entered during those phases.

### Certification Summary Information Report

Test Group		TFMXV00.0G4A				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 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 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	--	--
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	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--

### Certification Summary Information Report

<b>Test Group</b>	TFMXV00.0G4A	<b>Evaporative/Refueling Family</b>	--						
<b>Emission Data Vehicle Information</b>									
<b>Vehicle ID / Configuration</b>	RMA00015 / 1	<b>Manufacturer Vehicle Configuration Number</b>	1						
<b>Original Test Group Name</b>	RFMXV00.0G4A	<b>Original Evaporative/Refueling Family</b>	--						
<b>Original Test Vehicle Model Year</b>	2024								
<b>Vehicle Model</b>									
<b>Represented Test Vehicle Make</b>	Ford	<b>Represented Test Vehicle Model</b>	Mustang Mach-E GT Rally						
<b>Leak Family Details</b>									
<b>Leak Family Identifier</b>	--	<b>Leak Family Name</b>	--						
<b>Drive Sources and Fuel System Details</b>									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">Drive Source and Fuel#</th> <th style="width: 33%;">Drive Source</th> <th style="width: 33%;">Fuel</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">Electric Motor</td> <td style="text-align: center;">Electricity</td> </tr> </tbody> </table>				Drive Source and Fuel#	Drive Source	Fuel	1	Electric Motor	Electricity
Drive Source and Fuel#	Drive Source	Fuel							
1	Electric Motor	Electricity							
<b>Hybrid Indicator</b>	No	<b>Multiple Fuel Combustion</b>	--						
<b>Multiple Fuel Storage</b>	--	<b>Rechargeable Energy Storage System Indicator</b>	Yes						
<b>Fuel Cell Indicator</b>	No	<b>Rechargeable Energy Storage System, if 'Other'</b>	--						
<b>Rechargeable Energy Storage System</b>	Battery(s)								
<b>Off-board charge Capable Indicator</b>	Yes	<b>Odometer Correction Factor</b>	1.03						
<b>Odometer Correction -- Initial</b>	0	<b>Odometer Correction Sign</b> + = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles							
<b>Odometer Correction Units</b>	Miles								
<b>Engine Code</b>	RCGWELNG0007	<b>Rated Horsepower</b>	480						
<b>Displacement (liters)</b>	0.001	<b>Air Aspiration Method, if 'Other'</b>	BEV						
<b>Air Aspiration Method</b>	Naturally Aspirated	<b>Air Aspiration Device Configuration</b>	--						
<b>Number of Air Aspiration Devices</b>	--	<b>Drive Mode While Testing</b>	All Wheel Drive						
<b>Charge Air Cooler Type</b>	N/A	<b>Aged Emission Components</b>	4,000 (mi)						
<b>Shift Indicator Light Usage</b>	Not equipped	<b>Equivalent Test Weight (pounds)</b>	5250						
<b>Curb Weight (lbs)</b>	5014	<b>N/V Ratio</b>	115.8						
<b>GVWR (lbs)</b>	5980								
<b>Axle Ratio</b>	9.72	<b># of Transmission Gears</b>	1						
<b>Transmission Type</b>	BEV	<b>Creeper Gear</b>	No						
<b>Transmission Lockup</b>	No								
<b>Dynamometer Coefficients:</b>									
<b>Target Coefficients</b>			<b>Set Coefficients</b>						
<b>Coefficient Category</b>	<b>A (lbf)</b>	<b>B (lbf/mph)</b>	<b>C (lbf/mph**2)</b>						
<b>City/Highway/Evap</b>	40.42	0.2981	0.02052						
			<b>A (lbf)</b>						
			<b>B (lbf/mph)</b>						
			<b>C (lbf/mph**2)</b>						
			<b>EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients</b>						
			14.2						
<b>Emission Control Device Comments</b>	BEV								

### Certification Summary Information Report

<b>Test Group</b>	TFMXV00.0G4A	<b>Evaporative/Refueling Family</b>	--
<b>Manufacturer Test Vehicle Comments</b>	Ford Mustang Mach-E GT Rally		

## Certification Summary Information Report

Test Group	TFMXV00.0G4A	Evaporative/Refueling Family	--
<b>Test #</b>	<b>RFMX10084274</b>	<b>Test Procedure</b>	<b>77 - Multi-Cycle Test (MCT)</b>
<b>Exhaust Test # for this Evap Test</b>	--	<b>Test Fuel Type</b>	62 - Electricity
<b>Test Date</b>	01/23/2024	<b>Fuel</b>	Electricity
<b>Fuel Batch ID</b>	--	<b>Fuel Calibration Number</b>	--
<b>Vehicle Class</b>	LDV/Passenger Car	<b>DF Type</b>	Mfr. Assigned
<b>Verify Test Lab ID</b>	APTL		
<b>E10 Evaporative Test Measurement Method</b>	--		
<b>Test Start Odometer Reading</b>	4388	<b>Odometer Units</b>	M
<b>4WD Test Dyno</b>	Yes	<b>Diesel Adjustment Factor Usage</b>	--
<b>State of Charge Delta</b>	Yes		
<b>Drive Cycle Speed Tolerance Criteria</b>	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	<b>Road Speed Fan Usage</b>	Yes
<b>PHEV/EV Charge Depleting Test Information</b>			
<b>Recharge Event Voltage</b>	240	<b>Recharge Event Energy (kiloWatt-hours)</b>	105.148
<b>Charge Depleting Range (Calculated miles)</b>	400.699	<b>Charge Depleting Range (Actual miles)</b>	400.699
<b>Charge Depleting Range Highway (Calculated miles)</b>	360.45	<b>Derived 5-Cycle Coefficient Model Year</b>	--
<b>All Electric Range Unadjusted (miles)</b>	--	<b>Equivalent All Electric Range (miles)</b>	400.699
<b>Number of Charge Depleting Bags/Phases Conducted</b>	8	<b>Transition Bag/Phase Number</b>	--
<b>Charge Depleting Bag/Phase #1</b>			
<b>Test Result/Emission Name</b>		<b>Unrounded Test Result</b>	
Actual Distance Driven (miles)		7.448	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		0.47	
Drive Trace Energy Economy Rating		-0.34	
Drive Trace Inertia Work Ratio Rating		0.88	
Integrated DC KW-HRS		1.857	
Manufacturer Fuel Economy		24.923	
<b>Charge Depleting Bag/Phase #2</b>			

## Certification Summary Information Report

Test Group	TFMXV00.0G4A	Evaporative/Refueling Family	--																
<table border="1"> <thead> <tr> <th>Test Result/Emission Name</th> <th>Unrounded Test Result</th> </tr> </thead> <tbody> <tr> <td>Actual Distance Driven (miles)</td> <td>10.234</td> </tr> <tr> <td>Carbon-Related Exhaust Emissions</td> <td>0</td> </tr> <tr> <td>Drive Trace Absolute Speed Change Rating</td> <td>0.55</td> </tr> <tr> <td>Drive Trace Energy Economy Rating</td> <td>-0.2</td> </tr> <tr> <td>Drive Trace Inertia Work Ratio Rating</td> <td>0.83</td> </tr> <tr> <td>Integrated DC KW-HRS</td> <td>2.696</td> </tr> <tr> <td>Manufacturer Fuel Economy</td> <td>26.34</td> </tr> </tbody> </table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.234	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.55	Drive Trace Energy Economy Rating	-0.2	Drive Trace Inertia Work Ratio Rating	0.83	Integrated DC KW-HRS	2.696	Manufacturer Fuel Economy	26.34
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	10.234																		
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Drive Trace Inertia Work Ratio Rating	0.83																		
Integrated DC KW-HRS	2.696																		
Manufacturer Fuel Economy	26.34																		
<b>Charge Depleting Bag/Phase #3</b>																			
<table border="1"> <thead> <tr> <th>Test Result/Emission Name</th> <th>Unrounded Test Result</th> </tr> </thead> <tbody> <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>-0.54</td> </tr> <tr> <td>Drive Trace Energy Economy Rating</td> <td>-0.45</td> </tr> <tr> <td>Drive Trace Inertia Work Ratio Rating</td> <td>-0.5</td> </tr> <tr> <td>Integrated DC KW-HRS</td> <td>1.755</td> </tr> <tr> <td>Manufacturer Fuel Economy</td> <td>23.613</td> </tr> </tbody> </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	-0.54	Drive Trace Energy Economy Rating	-0.45	Drive Trace Inertia Work Ratio Rating	-0.5	Integrated DC KW-HRS	1.755	Manufacturer Fuel Economy	23.613
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	7.432																		
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Drive Trace Inertia Work Ratio Rating	-0.5																		
Integrated DC KW-HRS	1.755																		
Manufacturer Fuel Economy	23.613																		
<b>Charge Depleting Bag/Phase #4</b>																			
<table border="1"> <thead> <tr> <th>Test Result/Emission Name</th> <th>Unrounded Test Result</th> </tr> </thead> <tbody> <tr> <td>Actual Distance Driven (miles)</td> <td>232.119</td> </tr> <tr> <td>Carbon-Related Exhaust Emissions</td> <td>0</td> </tr> <tr> <td>Drive Trace Absolute Speed Change Rating</td> <td>0.79</td> </tr> <tr> <td>Drive Trace Energy Economy Rating</td> <td>0.2</td> </tr> <tr> <td>Drive Trace Inertia Work Ratio Rating</td> <td>1.59</td> </tr> <tr> <td>Integrated DC KW-HRS</td> <td>74.241</td> </tr> <tr> <td>Manufacturer Fuel Economy</td> <td>31.984</td> </tr> </tbody> </table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	232.119	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.79	Drive Trace Energy Economy Rating	0.2	Drive Trace Inertia Work Ratio Rating	1.59	Integrated DC KW-HRS	74.241	Manufacturer Fuel Economy	31.984
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	232.119																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	0.79																		
Drive Trace Energy Economy Rating	0.2																		
Drive Trace Inertia Work Ratio Rating	1.59																		
Integrated DC KW-HRS	74.241																		
Manufacturer Fuel Economy	31.984																		
<b>Charge Depleting Bag/Phase #5</b>																			
<table border="1"> <thead> <tr> <th>Test Result/Emission Name</th> <th>Unrounded Test Result</th> </tr> </thead> <tbody> <tr> <td>Actual Distance Driven (miles)</td> <td>7.452</td> </tr> <tr> <td>Carbon-Related Exhaust Emissions</td> <td>0</td> </tr> <tr> <td>Drive Trace Absolute Speed Change Rating</td> <td>0.93</td> </tr> <tr> <td>Drive Trace Energy Economy Rating</td> <td>0.55</td> </tr> <tr> <td>Drive Trace Inertia Work Ratio Rating</td> <td>1.24</td> </tr> <tr> <td>Integrated DC KW-HRS</td> <td>1.743</td> </tr> <tr> <td>Manufacturer Fuel Economy</td> <td>23.394</td> </tr> </tbody> </table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.452	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.93	Drive Trace Energy Economy Rating	0.55	Drive Trace Inertia Work Ratio Rating	1.24	Integrated DC KW-HRS	1.743	Manufacturer Fuel Economy	23.394
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	7.452																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	0.93																		
Drive Trace Energy Economy Rating	0.55																		
Drive Trace Inertia Work Ratio Rating	1.24																		
Integrated DC KW-HRS	1.743																		
Manufacturer Fuel Economy	23.394																		
<b>Charge Depleting Bag/Phase #6</b>																			

## Certification Summary Information Report

<b>Test Group</b>	TFMXV00.0G4A	Evaporative/Refueling Family	--
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Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.252
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	6.37
Drive Trace Energy Economy Rating	1.23
Drive Trace Inertia Work Ratio Rating	7.56
Integrated DC KW-HRS	2.649
Manufacturer Fuel Economy	25.843

**Charge Depleting Bag/Phase #7**

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.469
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	1.02
Drive Trace Energy Economy Rating	0.23
Drive Trace Inertia Work Ratio Rating	1.82
Integrated DC KW-HRS	1.7416
Manufacturer Fuel Economy	23.317

**Charge Depleting Bag/Phase #8**

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	22.39
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	0.79
Drive Trace Energy Economy Rating	0.2
Drive Trace Inertia Work Ratio Rating	1.59
Integrated DC KW-HRS	7.36
Manufacturer Fuel Economy	32.873

**Manufacturer Test Comments**

MCT for Rally unique label - Recharge time 36723 sec / 10.2hrs - Did not have drive rating data for steady state portions (phases 4 and 8) total overall drive ratings used there.



### Certification Summary Information Report

<b>Test Group</b>	TFMXV00.0G4A	<b>Evaporative/Refueling Family</b>	--						
<b>Consolidated List of Standards</b>									
<b>Exhaust Standards</b>									
<b>Cert Region</b>	California + CAA Section 177 states	<b>Cert/In-Use Code</b>	Both						
<b>Vehicle Class</b>	LDV/Passenger Car	<b>Standard Level</b>	California ZEV						
<b>Fuel</b>	Electricity	<b>Test Procedure</b>	Multi-Cycle Test (MCT)						
<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>RAF</b>	<b>NMOG / NMHC</b>	<b>Upward Diesel Adjustment Factor</b>	<b>Downward Diesel Adjustment Factor</b>	<b>Mult DF</b>	<b>Add DF</b>	<b>Std</b>
150,000 miles	CREE	--	--	--	--	--	--	0	0
150,000 miles	CREE	--	--	--	--	--	--	0	0
<b>Cert Region</b>	Federal	<b>Cert/In-Use Code</b>	Both						
<b>Vehicle Class</b>	LDV/Passenger Car	<b>Standard Level</b>	Federal Tier 3 Bin 0						
<b>Fuel</b>	Electricity	<b>Test Procedure</b>	Multi-Cycle Test (MCT)						
<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>RAF</b>	<b>NMOG / NMHC</b>	<b>Upward Diesel Adjustment Factor</b>	<b>Downward Diesel Adjustment Factor</b>	<b>Mult DF</b>	<b>Add DF</b>	<b>Std</b>
150,000 miles	CREE	--	--	--	--	--	--	0	0
<b>Cert Region</b>	Federal	<b>Cert/In-Use Code</b>	Both						
<b>Vehicle Class</b>	LDV/Passenger Car	<b>Standard Level</b>	Federal Tier 3 Bin 0						
<b>Fuel</b>	Electricity	<b>Test Procedure</b>	Charge Depleting Highway						
<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>RAF</b>	<b>NMOG / NMHC</b>	<b>Upward Diesel Adjustment Factor</b>	<b>Downward Diesel Adjustment Factor</b>	<b>Mult DF</b>	<b>Add DF</b>	<b>Std</b>
150,000 miles	CREE	--	--	--	--	--	--	0	0
<b>Cert Region</b>	Federal	<b>Cert/In-Use Code</b>	Both						
<b>Vehicle Class</b>	LDV/Passenger Car	<b>Standard Level</b>	Federal Tier 3 Bin 0						
<b>Fuel</b>	Electricity	<b>Test Procedure</b>	Cold CO						
<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>RAF</b>	<b>NMOG / NMHC</b>	<b>Upward Diesel Adjustment Factor</b>	<b>Downward Diesel Adjustment Factor</b>	<b>Mult DF</b>	<b>Add DF</b>	<b>Std</b>
150,000 miles	CO	--	--	--	--	--	--	0	0

### Certification Summary Information Report

<b>Test Group</b>		TFMXV00.0G4A			<b>Evaporative/Refueling Family</b>			--		
<b>Cert Region</b>		California + CAA Section 177 states			<b>Cert/In-Use Code</b>			Both		
<b>Vehicle Class</b>		LDV/Passenger Car			<b>Standard Level</b>			California ZEV		
<b>Fuel</b>		Electricity			<b>Test Procedure</b>			Cold CO		
<b>Useful Life</b>	<b>Emission Name</b>	<b>Rounded Result</b>	<b>RAF</b>	<b>NMOG / NMHC</b>	<b>Upward Diesel Adjustment Factor</b>	<b>Downward Diesel Adjustment Factor</b>	<b>Mult DF</b>	<b>Add DF</b>	<b>Std</b>	
150,000 miles	CO	--	--	--	--	--	--	0	0	

## Certification Summary Information Report

Test Group	TFMXV00.0G4A	Evaporative/Refueling Family	--
<b>Glossary</b>			
<b>Useful Life</b>			
4	4,000 miles	120	120,000 miles
50	50,000 miles	150	150,000 miles
100	100,000 miles		
<b>Emission Name</b>			
HC-TOTAL	Total Hydrocarbon	COMB-CREE	Combined Carbon-Related Exhaust Emissions
CO	Carbon Monoxide	COMB-OPT-CREE	Combined Optional Carbon-Related Exhaust Emissions
CO2	Carbon dioxide	HC-TOTAL-EQUIV	Total Hydrocarbon equivalent - Evap only
CREE	Carbon-Related Exhaust Emissions	METHANE-COMB	Combined CH4 for HD 2b/3 vehicles only
OPT-CREE	Optional Carbon-Related Exhaust Emissions	N2O-COMB	Combined Nitrous Oxide for HD 2b/3 vehicles only
NOX	Nitrogen Oxide	LEAK-DIA	Effective Leak Diameter (inches)
PM	Particulate Matter	LEAK-GAS CAP	Gas Cap Leakage (cc/min)
PM-COMP	SFTP Composite Particulate Matter	CO2-COMB	Combined Carbon Dioxide for HD 2b/3 Vehicles Only
HC-NM	Non-methane Hydrocarbon	KW-HRS	Integrated DC KW-HRS
OMHCE	Organic material Hydrocarbon Equivalent	CH4 BAG 1	Bag 1 Methane
OMNMHCE	Organic material non-methane HC equivalent	CH4 BAG 2	Bag 2 Methane
NMOG	Non-methane organic gases	CH4 BAG 3	Bag 3 Methane
HCHO	Formaldehyde	CH4 BAG 4	Bag 4 Methane
H3C2HO	Acetaldehyde	CO BAG 1	Bag 1 Carbon Monoxide
HC-NM+NOX	SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03	CO BAG 2	Bag 2 Carbon Monoxide
HC-NM+NOX-COMP	SFTP Composite Non-methane Hydrocarbon + Nitrogen Oxides	CO BAG 3	Bag 3 Carbon Monoxide
CO-COMP	SFTP Composite Carbon Monoxide	CO BAG 4	Bag 4 Carbon Monoxide
ETHANOL	C2H5OH - Ethanol	NMOG BAG 1	Bag 1 Non-methane organic gases
FE BAG 1	Bag 1 Fuel Economy	NMOG BAG 2	Bag 2 Non-methane organic gases
FE BAG 2	Bag 2 Fuel Economy	NMOG BAG 3	Bag 3 Non-methane organic gases
FE BAG 3	Bag 3 Fuel Economy	NMOG BAG 4	Bag 4 Non-methane organic gases
FE BAG 4	Bag 4 Fuel Economy	ACT-DISTANCE BAG 1	Bag 1 Actual Distance
MFR FE	Manufacturer Fuel Economy	ACT-DISTANCE BAG 2	Bag 2 Actual Distance
HC	Hydrocarbon for Running Loss and ORVR	ACT-DISTANCE BAG 3	Bag 3 Actual Distance
METHANE	CH4 - Methane	ACT-DISTANCE BAG 4	Bag 4 Actual Distance
METHANOL	CH3OH - Methanol	HC-TOTAL BAG 1	Bag 1 Total Hydrocarbon
N2O	Nitrous Oxide	HC-TOTAL BAG 2	Bag 2 Total Hydrocarbon
SPITBACK	Spitback Hydrocarbon in grams	HC-TOTAL BAG 3	Bag 3 Total Hydrocarbon
AMP-HRS	Integrated Amp-hours	HC-TOTAL BAG 4	Bag 4 Total Hydrocarbon
START-SOC	System Start State of Charge Watt-hours	WATT-HRS BAG 1	Bag 1 Watt Hours
END-SOC	System End State of Charge Watt-hours	WATT-HRS BAG 2	Bag 2 Watt Hours

## Certification Summary Information Report

Test Group		TFMXV00.0G4A	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	
<b>Certification Region</b>					
CA	California + CAA Section 177 states		FA	Federal	
<b>Exhaust Emission Standard Level</b>					
B1	Federal Tier 2 Bin 1		HDV2B340	Federal Tier 3 HD Class 2b Transitional Bin 340	
B2	Federal Tier 2 Bin 2		HDV2B250	Federal Tier 3 HD Class 2b Bin 250	
B3	Federal Tier 2 Bin 3		HDV2B200	Federal Tier 3 HD Class 2b Bin 200	
B4	Federal Tier 2 Bin 4		HDV2B170	Federal Tier 3 HD Class 2b Bin 170	
B5	Federal Tier 2 Bin 5		HDV2B150	Federal Tier 3 HD Class 2b Bin 150	
B6	Federal Tier 2 Bin 6		HDV2B0	Federal Tier 3 HD Class 2b Bin 0	
B7	Federal Tier 2 Bin 7		HDV3B630	Federal Tier 3 HD Class 3 Transitional Bin 630	
B8	Federal Tier 2 Bin 8		HDV3B570	Federal Tier 3 HD Class 3 Transitional Bin 570	
B9	Federal Tier 2 Bin 9		HDV3B400	Federal Tier 3 HD Class 3 Bin 400	
B10	Federal Tier 2 Bin 10		HDV3B270	Federal Tier 3 HD Class 3 Bin 270	
B11	Federal Tier 2 Bin 11		HDV3B230	Federal Tier 3 HD Class 3 Bin 230	
HDV1	HDV1 (Federal HD chassis Class 2b GVW 8501-10000)		HDV3B200	Federal Tier 3 HD Class 3 Bin 200	
HDV2	HDV2 (Federal HD chassis Class 3 GVW 10001-14000)		HDV3B0	Federal Tier 3 HD Class 3 Bin 0	
L2	California LEV-II LEV		L4SULEV100	California LEV-IV SULEV100	
L2OP	California LEV-II LEV Optional		L4SULEV125	California LEV-IV SULEV125	
U2	California LEV-II ULEV		L4SULEV15	California LEV-IV SULEV15	
S2	California LEV-II SULEV		L4SULEV150	California LEV-IV SULEV150	
ZEV	California ZEV		L4SULEV170	California LEV-IV SULEV170	
OT	Other		L4SULEV175	California LEV-IV SULEV175	
T1	Federal Tier 1		L4SULEV20	California LEV-IV SULEV20	
PZEV	California PZEV		L4SULEV200	California LEV-IV SULEV200	
L2LEV160	California LEV-II LEV160		L4SULEV230	California LEV-IV SULEV230	
L2ULEV125	California LEV-II ULEV125		L4SULEV25	California LEV-IV SULEV25	
L2SULEV30	California LEV-II SULEV30		L4SULEV30	California LEV-IV SULEV30	
L2LEV395	California LEV-II LEV395		L4SULEV75	California LEV-IV SULEV75	

## Certification Summary Information Report

Test Group	TFMXV00.0G4A	Evaporative/Refueling Family	--
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		
<b>Transmission Type Code</b>			
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)
<b>Drive System Code</b>			
4	4-Wheel Drive	P	Part-time 4-Wheel Drive

**Certification Summary Information Report**

<b>Test Group</b>	TFMXV00.0G4A	<b>Evaporative/Refueling Family</b>		--
F	2-Wheel Drive, Front	A	All Wheel Drive	
R	2-Wheel Drive, Rear			
<b>Additional Terms and Acronyms</b>				
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	