

Certification Summary Information Report

Manufacturer	Ford Motor Company	Manufacturer Code	FMX
Test Group	VFMXD06.771D	Evaporative/Refueling Family	--
Certificate Number	VFMXD06.771D-017	CARB Executive Order #	--
Certificate Issue Date	07/01/2026	Certificate Revision Date	--
Certificate Effective Date	07/01/2026	Conditional Certificate	No
CSI Revision #	--	CSI Submission/Revision Date	07/24/2026 04:15:28 PM
Model Year	2027		

Test Group Information

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

Drive Sources and Fuel(s)

Drive Source #1: Combustion Engine

Fuel	Basic Fuel Metering System	Lean Burn Strategy Indicator
Diesel	Common Rail Direct Diesel Injection	--

Hybrid Indicator	No		
Multiple Fuel Storage	--	Rechargeable Energy Storage System Indicator	--
Multiple Fuel Combustion	--	Off-board Charge Capable Indicator	--
Fuel Cell Indicator	--	EPA Vehicle Class	M7, HDV2
Federal Clean Fuel Vehicle	No	Federal Clean Fuel Vehicle Standard	--
Federal Clean Fuel Vehicle ILEV	No	California Partial Zero Emissions Vehicle Indicator	No
Durability Group Name	VFMXDPDNNF1B	Durability Group Equivalency Factor	1.0
Reduced Fee Test Group	No	Certification Region Code(s)	FA, CA
Complies with HD GHG 2b/3 regulations?	Yes		
Introduction into Commerce Date	09/21/2026	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	No
SFTP LEV-III Composite Compliance Indicator	Yes		
OBD Compliance Type	CARB	OBD Demonstration Vehicle Test Group	VFMXD06.771D
Test Group OBD Compliance Level	Partial - with deficiencies	Number of Test Group OBD Deficiencies	3
OBD Deficiencies Comments	--		
Mfr Test Group Comments	F-Series Super Duty 10-14K GVWR GHG RESULTS N2O COMB = 0.11 vs. 0.19 FEL, CH4 COMB = 0.01 vs. 0.05 STD. Expected Composite Certification Levels including Rounded Results, Diesel Adjustment Factor, and Additive DF: CO-COMP: 0 vs. 4 STD; NMOG+NOX-COMP: 0.101 vs. 0.350 STD; PM-COMP: 0.004 vs. 0.007 STD.		
Mfr Exhaust / Evap Standards Comments	--		

Certification Summary Information Report

Test Group	VFMXD06.771D	Evaporative/Refueling Family	--
Models Covered by this Certificate			
Carline Manufacturer	Division	Carline	Certification Region Code(s)
Drive System	Trans - Type	- # of Gears	Trans - Lockup
Ford Motor Company	1 - Ford	355 - F450 PICKUP 2WD DIESEL	Federal
2-Wheel Drive, Rear	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	392 - F350 PICKUP 4WD DIESEL	Federal
Part-time 4-Wheel Drive	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	355 - F450 PICKUP 2WD DIESEL	California + CAA Section 177 states
2-Wheel Drive, Rear	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	330 - F250 PICKUP 4WD DIESEL	Federal
Part-time 4-Wheel Drive	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	350 - F450 PICKUP 4WD DIESEL	California + CAA Section 177 states
Part-time 4-Wheel Drive	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	315 - F250 PICKUP 2WD DIESEL	California + CAA Section 177 states
2-Wheel Drive, Rear	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	330 - F250 PICKUP 4WD DIESEL	California + CAA Section 177 states
Part-time 4-Wheel Drive	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	315 - F250 PICKUP 2WD DIESEL	Federal
2-Wheel Drive, Rear	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	390 - F350 PICKUP 2WD DIESEL	Federal
2-Wheel Drive, Rear	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	390 - F350 PICKUP 2WD DIESEL	California + CAA Section 177 states
2-Wheel Drive, Rear	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	350 - F450 PICKUP 4WD DIESEL	Federal
Part-time 4-Wheel Drive	Semi-Automatic	10	Yes
Ford Motor Company	1 - Ford	392 - F350 PICKUP 4WD DIESEL	California + CAA Section 177 states
Part-time 4-Wheel Drive	Semi-Automatic	10	Yes
Engine Description			
Hybrid Type	--	Hybrid Description	--
Engine Type	4-Stroke Compression Ignition	Mfr Engine Description	4-Stroke Compression Ignition
Engine Block Arrangement	V-shaped engine	Mfr Engine Block Arrangement Description	6.7L V8
Camless Valvetrain Indicator	No	Oil Viscosity/Classification	10W-30/CK-4
Number of Cylinders/Rotors	8	Mechanically Variable Compression Ratio Indicator	N
After Treatment Device(s) (ATD)			
ATD Number	ATD Type	ATD Precious Metal	Substrate Material
Substrate Construction			
1	Oxidation catalyst	Platinum + Palladium	Ceramic
Monolith			
2	Selective Catalytic Reduction	Platinum	Ceramic
Monolith			
3	Other	Platinum + Palladium	Ceramic
Monolith			
4	Diesel Particulate Filter	Platinum + Palladium	Metal
Monolith			
Mfr After Treatment Device (ATD) Comments			
DOC, SCR, DEC, DPF			
Direct Ozone Reduction (DOR) Device			
Not Equipped			
Mfr Emission Control Device Comments			
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Certification Summary Information Report

Test Group	VFMXD06.771D	Evaporative/Refueling Family	--								
Engine Configuration Number 1											
Engine Displacement (liters)	6.7	Engine Rated Horsepower	500								
Number of Inlet Valves Per Cylinder	2	Number of Exhaust Valves Per Cylinder	2								
Air Aspiration Method	Turbocharged	Number of Air Aspiration Devices	1								
Air Aspiration Device Configuration	Single	Charge Air Cooler Type	Liquid								
Air Aspiration Drive Method(s)	Mechanical										
Cylinder Deactivation	No										
Cylinder Deactivation Description	--										
Variable Valve Timing	No										
Variable Valve Timing System Description	--										
Variable Valve Lift?	No										
Variable Valve Lift System Description	--										
Number of Knock Sensors	0	Number of Air/Fuel Sensors	3								
Air/Fuel Sensor # 1 Type	Nitrogen oxide	Air/Fuel Sensor # 1 Description	--								
Air/Fuel Sensor # 2 Type	Nitrogen oxide	Air/Fuel Sensor # 2 Description	--								
Air/Fuel Sensor # 3 Type	Nitrogen oxide	Air/Fuel Sensor # 3 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
Diesel	VFMX10093530	VFMX10093532	VFMX10093533	--	VFMX10093531	--	10.4	--	13.7	--	
SFTP LEV-III Official Test Numbers											
Test Group Fuel	FTP	US06	SC03								
Diesel	VFMX10093530	VFMX10093532	VFMX10093533								

Certification Summary Information Report

Test Group	VFMXD06.771D	Evaporative/Refueling Family	--
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Emission Data Vehicle Information

Vehicle ID / Configuration	VFH1-6.7-J-297 / 0	Manufacturer Vehicle Configuration Number	0
Original Test Group Name	VFMXD06.771D	Original Evaporative/Refueling Family	--
Original Test Vehicle Model Year	2027		

Vehicle Model

Represented Test Vehicle Make	Ford	Represented Test Vehicle Model	F-450 4x4
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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	Combustion Engine	Diesel

Hybrid Indicator	No		
Multiple Fuel Storage	--	Multiple Fuel Combustion	--
Fuel Cell Indicator	--	Rechargeable Energy Storage System Indicator	--
Rechargeable Energy Storage System	--	Rechargeable Energy Storage System, if 'Other'	--
Off-board charge Capable Indicator	--		
Odometer Correction -- Initial	0	Odometer Correction Factor	1.03
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor		
Odometer Correction Units	Miles		
Engine Code	VTFHY3NX00	Rated Horsepower	500
Displacement (liters)	6.7		
Air Aspiration Method	Turbocharged	Air Aspiration Method, if 'Other'	
Number of Air Aspiration Devices	1	Air Aspiration Device Configuration	Single
Charge Air Cooler Type	Liquid	Drive Mode While Testing	2-Wheel Drive, Rear
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)
Curb Weight (lbs)	8921	Equivalent Test Weight (pounds)	11500
GVWR (lbs)	14000	N/V Ratio	29.6
Axle Ratio	4.3		
Transmission Type	Semi-Automatic	# of Transmission Gears	10
Transmission Lockup	Yes	Creep Gear	No

Dynamometer Coefficients:

Target Coefficients				Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	
City/Highway/Evap	82.72	0.4153	0.06271	22.92	0.2466	0.05991	34.7
US06	82.72	0.4153	0.06271	22.92	0.2466	0.05991	N/A

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Test Group	VFMXD06.771D	Evaporative/Refueling Family	--
Emission Control Device Comments	--		
Manufacturer Test Vehicle Comments	--		

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Test Group	VFMXD06.771D	Evaporative/Refueling Family	--
Test #	VFMX10093530	Test Procedure	2 - CVS 75 and later (w/o can. load)
Exhaust Test # for this Evap Test	--	Test Fuel Type	19 - Federal Cert Diesel 7-15 PPM Sulfur
Test Date	01/13/2026	Fuel	Diesel
Fuel Batch ID	DIES_7	Fuel Calibration Number	92
Vehicle Class	HDV2 (Federal HD chassis Class 3 GVW 10001-14000), MDV7 (Cal. LEV 2/3/4 MDV GVW 10001-14000)	DF Type	Mfr. Determined
Verify Test Lab ID	APTL		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3744	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	U
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes
Test Results			

Certification Summary Information Report

Test Group	VFMXD06.771D	Evaporative/Refueling Family	--
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	
CO2 BAG 1 (Bag 1 Carbon Dioxide)	839.997281	--	
CO BAG 1 (Bag 1 Carbon Monoxide)	0.1398	--	
FE BAG 1 (Bag 1 Fuel Economy)	12.109862	12.109862	
CH4 BAG 1 (Bag 1 Methane)	0.0095419	--	
NMOG BAG 1 (Bag 1 Non-methane organic gases)	0.0134691	--	
CO2 BAG 2 (Bag 2 Carbon Dioxide)	776.029604	--	
CO BAG 2 (Bag 2 Carbon Monoxide)	0.027	--	
FE BAG 2 (Bag 2 Fuel Economy)	13.111827	13.111827	
CH4 BAG 2 (Bag 2 Methane)	0.0097924	--	
NMOG BAG 2 (Bag 2 Non-methane organic gases)	0.000732	--	
CO2 BAG 3 (Bag 3 Carbon Dioxide)	726.723503	--	
CO BAG 3 (Bag 3 Carbon Monoxide)	0.0218	--	
FE BAG 3 (Bag 3 Fuel Economy)	13.996292	13.996292	
CH4 BAG 3 (Bag 3 Methane)	0.0029618	--	
NMOG BAG 3 (Bag 3 Non-methane organic gases)	0	--	
METHANE (CH4 - Methane)	0.007865	--	
CO (Carbon Monoxide)	0.048946	--	
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.297886	--	
DT-EER (Drive Trace Energy Economy Rating)	0.31371	--	
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.568668	--	
HCHO (Formaldehyde)	0.001	--	
MFR FE (Manufacturer Fuel Economy)	13.1	13.1	
NOX (Nitrogen Oxide)	0.09041	--	
N2O (Nitrous Oxide)	0.0696	--	
HC-NM (Non-methane Hydrocarbon)	0.003173	--	
NMOG (Non-methane organic gases)	0.003173	--	
PM (Particulate Matter)	0.000027	--	
HC-TOTAL (Total Hydrocarbon)	0.010552	--	
Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE	
Carbon-Related Exhaust Emissions	776	776	
Optional Carbon-Related Exhaust Emissions	797	797	

Certification Summary Information Report

Test Group	VFMXD06.771D	Evaporative/Refueling Family	--						
	<table><tr><td>Test Result Name</td><td>Unrounded Test Result</td><td>Verify Calculated CO2</td></tr><tr><td>Carbon dioxide</td><td>775.8</td><td>--</td></tr></table>			Test Result Name	Unrounded Test Result	Verify Calculated CO2	Carbon dioxide	775.8	--
	Test Result Name	Unrounded Test Result	Verify Calculated CO2						
	Carbon dioxide	775.8	--						
Manufacturer Test Comments									
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Certification Summary Information Report

Test Group		VFMXD06.771D			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 HD Class 3 Bin 230	CO	0.05	--	--	0.0011 UP	0.05	--	0.1	4.2	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 3 Bin 230	CO-COMP	0	--	--	0 UP	--	--	0	4	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 3 Bin 230	CO2	776	--	--	0 UP	0	--	776	--	--
Fed	150,000 miles	Federal Tier 3 HD Class 3 Bin 230	HCHO	0.001	--	--	0 UP	0.0016	--	0.003	0.006	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 3 Bin 230	METHANE	0.0079	--	--	0.0008 UP	0.0008	--	0.01	999.999	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 3 Bin 230	N2O	0.0696	--	--	0.0022 UP	0.0438	--	0.116	999.999	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 3 Bin 230	NMOG	0.0032	--	1	0.0003 UP	0.0131	--	0.017	999.999	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 3 Bin 230	NMOG+NOX	0.0936	--	--	0 UP	--	--	0.135	0.230	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 3 Bin 230	NMOG+NOX-COMP	0.0909	--	--	0 UP	--	--	0.091	0.350	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 3 Bin 230	NOX	0.0904	--	--	0.0103 UP	0.018	--	0.119	999.999	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 3 Bin 230	PM	0	--	--	0.0001 UP	0.0037	--	0.004	0.010	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 3 Bin 230	PM-COMP	0.0038	--	--	0 UP	--	--	0.004	0.007	Pass
CA	150,000 miles	California LEV-III SULEV230	CO	0.05	--	--	0.0011 UP	0.05	--	0.1	4.2	Pass
CA	150,000 miles	California LEV-III SULEV230	CO-COMP	0	--	--	0 UP	--	--	0	4	Pass
CA	150,000 miles	California LEV-III SULEV230	CO2	776	--	--	0 UP	0	--	776	--	--
CA	150,000 miles	California LEV-III SULEV230	HCHO	0.001	--	--	0 UP	0.0016	--	0.003	0.006	Pass
CA	150,000 miles	California LEV-III SULEV230	METHANE	0.0079	--	--	0.0008 UP	0.0008	--	0.01	999.999	Pass

Certification Summary Information Report

Test Group		VFMXD06.771D			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
CA	150,000 miles	California LEV-III SULEV230	N2O	0.0696	--	--	0.0022 UP	0.0438	--	0.116	999.999	Pass
CA	150,000 miles	California LEV-III SULEV230	NMOG	0.0032	--	1	0.0003 UP	0.0131	--	0.017	999.999	Pass
CA	150,000 miles	California LEV-III SULEV230	NMOG+NOX	0.0936	--	--	0 UP	--	--	0.135	0.230	Pass
CA	150,000 miles	California LEV-III SULEV230	NMOG+NOX-COMP	0.0909	--	--	0 UP	--	--	0.091	0.350	Pass
CA	150,000 miles	California LEV-III SULEV230	NOX	0.0904	--	--	0.0103 UP	0.018	--	0.119	999.999	Pass
CA	150,000 miles	California LEV-III SULEV230	PM	0	--	--	0.0001 UP	0.0037	--	0.004	0.010	Pass
CA	150,000 miles	California LEV-III SULEV230	PM-COMP	0.0038	--	--	0 UP	--	--	0.004	0.007	Pass

NOTE: For Non-charge depleting tests, the Rounded Result for CO2 Emission name is a Verify-calculated value.

Certification Summary Information Report

Test Group	VFMXD06.771D	Evaporative/Refueling Family	--
Test #	VFMX10093531	Test Procedure	3 - HWFE
Exhaust Test # for this Evap Test	--	Test Fuel Type	19 - Federal Cert Diesel 7-15 PPM Sulfur
Test Date	01/16/2026	Fuel	Diesel
Fuel Batch ID	DIES_7	Fuel Calibration Number	92
Vehicle Class	HDV2 (Federal HD chassis Class 3 GVW 10001-14000), MDV7 (Cal. LEV 2/3/4 MDV GVW 10001-14000)	DF Type	Mfr. Determined
Verify Test Lab ID	APTL		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3831	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	U
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes
Test Results			
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	
METHANE (CH4 - Methane)	0.002437	--	
CO (Carbon Monoxide)	0.01727	--	
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.694001	--	
DT-EER (Drive Trace Energy Economy Rating)	-0.371727	--	
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.816517	--	
MFR FE (Manufacturer Fuel Economy)	19.5	19.5	
NOX (Nitrogen Oxide)	0.02151	--	
N2O (Nitrous Oxide)	0.0563	--	
HC-NM (Non-methane Hydrocarbon)	0.001638	--	
NMOG (Non-methane organic gases)	0.001638	--	
HC-TOTAL (Total Hydrocarbon)	0.004021	--	
Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE	
Carbon-Related Exhaust Emissions	523	523	
Test Result Name	Unrounded Test Result	Verify Calculated CO2	
Carbon dioxide	522.8	--	
Manufacturer Test Comments	--		

Certification Summary Information Report

Test Group		VFMXD06.771D			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 HD Class 3 Bin 230	METHANE	0.0024	--	--	0.0009 UP	0.0008	--	0.004	999.999	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 3 Bin 230	N2O	0.0563	--	--	0.0001 UP	0.0438	--	0.1	999.999	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 3 Bin 230	NMOG	0.0016	--	1	0 UP	0.0131	--	0.015	999.999	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 3 Bin 230	NMOG+NOX	0.0231	--	--	0 UP	--	--	0.063	0.230	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 3 Bin 230	NOX	0.0215	--	--	0.0085 UP	0.018	--	0.048	999.999	Pass
CA	150,000 miles	California LEV-III SULEV230	METHANE	0.0024	--	--	0.0009 UP	0.0008	--	0.004	999.999	Pass
CA	150,000 miles	California LEV-III SULEV230	N2O	0.0563	--	--	0.0001 UP	0.0438	--	0.1	999.999	Pass
CA	150,000 miles	California LEV-III SULEV230	NMOG	0.0016	--	1	0 UP	0.0131	--	0.015	999.999	Pass
CA	150,000 miles	California LEV-III SULEV230	NMOG+NOX	0.0231	--	--	0 UP	--	--	0.063	0.230	Pass
CA	150,000 miles	California LEV-III SULEV230	NOX	0.0215	--	--	0.0085 UP	0.018	--	0.048	999.999	Pass

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Test Group	VFMXD06.771D	Evaporative/Refueling Family	--
Test #	VFMX10093532	Test Procedure	16 - Hot 1435 LA92
Exhaust Test # for this Evap Test	--	Test Fuel Type	19 - Federal Cert Diesel 7-15 PPM Sulfur
Test Date	01/13/2026	Fuel	Diesel
Fuel Batch ID	DIES_7	Fuel Calibration Number	92
Vehicle Class	HDV2 (Federal HD chassis Class 3 GVW 10001-14000), MDV7 (Cal. LEV 2/3/4 MDV GVW 10001-14000)	DF Type	Mfr. Determined
Verify Test Lab ID	APTL		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3774	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	U
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes
Test Results			
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	
CO BAG 1 (Bag 1 Carbon Monoxide)	0.0325	--	
CH4 BAG 1 (Bag 1 Methane)	0.0002546	--	
NMOG BAG 1 (Bag 1 Non-methane organic gases)	0	--	
METHANE (CH4 - Methane)	0.000255	--	
CO (Carbon Monoxide)	0.032475	--	
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.308652	--	
DT-EER (Drive Trace Energy Economy Rating)	0.464231	--	
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.270319	--	
MFR FE (Manufacturer Fuel Economy)	12.8	12.8	
NOX (Nitrogen Oxide)	0.033109	--	
HC-NM (Non-methane Hydrocarbon)	0	--	
NMOG (Non-methane organic gases)	0	--	
PM (Particulate Matter)	0.000086	--	
HC-TOTAL (Total Hydrocarbon)	0	--	
Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE	
Carbon-Related Exhaust Emissions	796	--	
Test Result Name	Unrounded Test Result	Verify Calculated CO2	
Carbon dioxide	796.5	--	

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Manufacturer Test Comments		--										
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 HD Class 3 Bin 230	CO	0.0325	--	--	0.0001 UP	0.05	--	0.083	999.999	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 3 Bin 230	NMOG	0	--	1	0.0005 UP	0.0131	--	0.014	999.999	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 3 Bin 230	NOX	0.0331	--	--	0.0066 UP	0.018	--	0.058	999.999	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 3 Bin 230	PM	0.0001	--	--	0.0003 UP	0.0037	--	0.004	999.999	Pass
CA	150,000 miles	California LEV-III SULEV230	CO	0.0325	--	--	0.0001 UP	0.05	--	0.083	999.999	Pass
CA	150,000 miles	California LEV-III SULEV230	NMOG	0	--	1	0.0005 UP	0.0131	--	0.014	999.999	Pass
CA	150,000 miles	California LEV-III SULEV230	NOX	0.0331	--	--	0.0066 UP	0.018	--	0.058	999.999	Pass
CA	150,000 miles	California LEV-III SULEV230	PM	0.0001	--	--	0.0003 UP	0.0037	--	0.004	999.999	Pass

Certification Summary Information Report

Test Group	VFMXD06.771D	Evaporative/Refueling Family	--
Test #	VFMX10093533	Test Procedure	95 - SC03
Exhaust Test # for this Evap Test	--	Test Fuel Type	19 - Federal Cert Diesel 7-15 PPM Sulfur
Test Date	01/15/2026	Fuel	Diesel
Fuel Batch ID	DIES_7	Fuel Calibration Number	92
Vehicle Class	HDV2 (Federal HD chassis Class 3 GVW 10001-14000), MDV7 (Cal. LEV 2/3/4 MDV GVW 10001-14000)	DF Type	Mfr. Determined
Verify Test Lab ID	APTL		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3824	Odometer Units	M
4WD Test Dyno	No	Diesel Adjustment Factor Usage	U
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes
Test Results			
Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (miles per gallon)	
METHANE (CH4 - Methane)	0.001922	--	
CO (Carbon Monoxide)	0.033228	--	
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.208695	--	
DT-EER (Drive Trace Energy Economy Rating)	0.781431	--	
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.752308	--	
MFR FE (Manufacturer Fuel Economy)	12.3	12.3	
NOX (Nitrogen Oxide)	0.044425	--	
HC-NM (Non-methane Hydrocarbon)	0.003638	--	
NMOG (Non-methane organic gases)	0.003638	--	
PM (Particulate Matter)	0.000187	--	
HC-TOTAL (Total Hydrocarbon)	0.0055	--	
Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE	
Carbon-Related Exhaust Emissions	829	--	
Test Result Name	Unrounded Test Result	Verify Calculated CO2	
Carbon dioxide	829.1	--	
Manufacturer Test Comments	--		

Certification Summary Information Report

Test Group		VFMXD06.771D				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 HD Class 3 Bin 230	CO	0.0332	--	--	0.0011 UP	0.05	--	0.084	999.999	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 3 Bin 230	NMOG	0.0036	--	1	0.0003 UP	0.0131	--	0.017	999.999	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 3 Bin 230	NOX	0.0444	--	--	0.0103 UP	0.018	--	0.073	999.999	Pass
Fed	150,000 miles	Federal Tier 3 HD Class 3 Bin 230	PM	0.0002	--	--	0.0001 UP	0.0037	--	0.004	999.999	Pass
CA	150,000 miles	California LEV-III SULEV230	CO	0.0332	--	--	0.0011 UP	0.05	--	0.084	999.999	Pass
CA	150,000 miles	California LEV-III SULEV230	NMOG	0.0036	--	1	0.0003 UP	0.0131	--	0.017	999.999	Pass
CA	150,000 miles	California LEV-III SULEV230	NOX	0.0444	--	--	0.0103 UP	0.018	--	0.073	999.999	Pass
CA	150,000 miles	California LEV-III SULEV230	PM	0.0002	--	--	0.0001 UP	0.0037	--	0.004	999.999	Pass

Fuel Properties												
Fuel Batch ID	DIES_7					Fuel Calibration Number	92					
Test Fuel Type	19 - Federal Cert Diesel 7-15 PPM Sulfur					Fuel Batch Calibration Date	12/17/2025					
Fuel Batch Calibration Effective Date	12/17/2025					Fuel Batch Calibration Ineffective Date	12/31/2100					
Carbon Weight Fraction NMHC	--					Carbon Weight Fraction HC	--					
Exhaust Carbon Weight Fraction	--					Fuel Methanol Volume Fraction	--					
Fuel Density (grams/cubic ft)	--					Fuel Specific Gravity	0.849					
Fuel Ethanol Volume Percent (%)	--					Fuel Net Heating Value / Fuel Net Heat of Combustion (E0) (BTU/lb)	18320					
Fuel Net Heat of Combustion (E10) (MJ/kg)	42.612					Fuel Carbon Mass Fraction (E10)	0.871					
Fuel Blend Carbon Weight Fraction / Fuel Carbon Mass Fraction (E0)	0.871					Weight Fraction CO2	--					

Certification Summary Information Report

Test Group		VFMXD06.771D			Evaporative/Refueling Family			--	
Consolidated List of Standards									
Exhaust Standards									
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Both	
Vehicle Class		MDV7 (Cal. LEV 2/3/4 MDV GVW 10001-14000)			Standard Level			California LEV-III SULEV230	
Fuel		Diesel			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	--	--	--	0.0011	0	--	0.05	4.2
150,000 miles	CO-COMP	--	--	--	0	0	--	--	4
150,000 miles	CO2	--	--	--	0	0	--	0	999.999
150,000 miles	HCHO	--	--	--	0	0	--	0.0016	0.006
150,000 miles	METHANE	--	--	--	0.0008	0	--	0.0008	999.999
150,000 miles	METHANE-COMB	--	--	--	0	0	--	--	0.05
150,000 miles	N2O	--	--	--	0.0022	0	--	0.0438	999.999
150,000 miles	N2O-COMB	--	--	--	0	0	--	--	0.19
150,000 miles	NMOG	--	--	1	0.0003	0	--	0.0131	999.999
150,000 miles	NMOG+NOX	--	--	--	0	0	1	--	0.230
150,000 miles	NMOG+NOX-COMP	--	--	--	0	0	--	--	0.350
150,000 miles	NOX	--	--	--	0.0103	0	--	0.018	999.999
150,000 miles	PM	--	--	--	0.0001	0	--	0.0037	0.010
150,000 miles	PM-COMP	--	--	--	0	0	--	--	0.007
Cert Region		Federal			Cert/In-Use Code			Both	
Vehicle Class		HDV2 (Federal HD chassis Class 3 GVW 10001-14000)			Standard Level			Federal Tier 3 HD Class 3 Bin 230	
Fuel		Diesel			Test Procedure			Hot 1435 LA92	
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	--	--	--	0.0001	0	--	0.05	999.999
150,000 miles	NMOG	--	--	1	0.0005	0	--	0.0131	999.999
150,000 miles	NOX	--	--	--	0.0066	0	--	0.018	999.999
150,000 miles	PM	--	--	--	0.0003	0	--	0.0037	999.999

Certification Summary Information Report

Test Group	VFMXD06.771D				Evaporative/Refueling Family			--	
Cert Region	Federal				Cert/In-Use Code			Both	
Vehicle Class	HDV2 (Federal HD chassis Class 3 GVW 10001-14000)				Standard Level			Federal Tier 3 HD Class 3 Bin 230	
Fuel	Diesel				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	--	--	--	0.0011	0	--	0.05	4.2
150,000 miles	CO-COMP	--	--	--	0	0	--	--	4
150,000 miles	CO2	--	--	--	0	0	--	0	999.999
150,000 miles	HCHO	--	--	--	0	0	--	0.0016	0.006
150,000 miles	METHANE	--	--	--	0.0008	0	--	0.0008	999.999
150,000 miles	METHANE-COMB	--	--	--	0	0	--	--	0.05
150,000 miles	N2O	--	--	--	0.0022	0	--	0.0438	999.999
150,000 miles	N2O-COMB	--	--	--	0	0	--	--	0.19
150,000 miles	NMOG	--	--	1	0.0003	0	--	0.0131	999.999
150,000 miles	NMOG+NOX	--	--	--	0	0	1	--	0.230
150,000 miles	NMOG+NOX-COMP	--	--	--	0	0	--	--	0.350
150,000 miles	NOX	--	--	--	0.0103	0	--	0.018	999.999
150,000 miles	PM	--	--	--	0.0001	0	--	0.0037	0.010
150,000 miles	PM-COMP	--	--	--	0	0	--	--	0.007

Cert Region	California + CAA Section 177 states				Cert/In-Use Code			Both	
Vehicle Class	MDV7 (Cal. LEV 2/3/4 MDV GVW 10001-14000)				Standard Level			California LEV-III SULEV230	
Fuel	Diesel				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	--	--	--	0.0011	0	--	0.05	999.999
150,000 miles	NMOG	--	--	1	0.0003	0	--	0.0131	999.999
150,000 miles	NOX	--	--	--	0.0103	0	--	0.018	999.999
150,000 miles	PM	--	--	--	0.0001	0	--	0.0037	999.999

Certification Summary Information Report

Test Group		VFMXD06.771D			Evaporative/Refueling Family			--	
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Both	
Vehicle Class		MDV7 (Cal. LEV 2/3/4 MDV GVW 10001-14000)			Standard Level			California LEV-III SULEV230	
Fuel		Diesel			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	METHANE	--	--	--	0.0009	0	--	0.0008	999.999
150,000 miles	METHANE-COMB	--	--	--	0	0	--	--	999.999
150,000 miles	N2O	--	--	--	0.0001	0	--	0.0438	999.999
150,000 miles	N2O-COMB	--	--	--	0	0	--	--	999.999
150,000 miles	NMOG	--	--	1	0	0	--	0.0131	999.999
150,000 miles	NMOG+NOX	--	--	--	0	0	1	--	0.230
150,000 miles	NOX	--	--	--	0.0085	0	--	0.018	999.999
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Both	
Vehicle Class		MDV7 (Cal. LEV 2/3/4 MDV GVW 10001-14000)			Standard Level			California LEV-III SULEV230	
Fuel		Diesel			Test Procedure			Hot 1435 LA92	
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	--	--	--	0.0001	0	--	0.05	999.999
150,000 miles	NMOG	--	--	1	0.0005	0	--	0.0131	999.999
150,000 miles	NOX	--	--	--	0.0066	0	--	0.018	999.999
150,000 miles	PM	--	--	--	0.0003	0	--	0.0037	999.999

Certification Summary Information Report

Test Group		VFMXD06.771D			Evaporative/Refueling Family			--	
Cert Region		Federal			Cert/In-Use Code			Both	
Vehicle Class		HDV2 (Federal HD chassis Class 3 GVW 10001-14000)			Standard Level			Federal Tier 3 HD Class 3 Bin 230	
Fuel		Diesel			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	METHANE	--	--	--	0.0009	0	--	0.0008	999.999
150,000 miles	METHANE-COMB	--	--	--	0	0	--	--	999.999
150,000 miles	N2O	--	--	--	0.0001	0	--	0.0438	999.999
150,000 miles	N2O-COMB	--	--	--	0	0	--	--	999.999
150,000 miles	NMOG	--	--	1	0	0	--	0.0131	999.999
150,000 miles	NMOG+NOX	--	--	--	0	0	1	--	0.230
150,000 miles	NOX	--	--	--	0.0085	0	--	0.018	999.999
Cert Region		Federal			Cert/In-Use Code			Both	
Vehicle Class		HDV2 (Federal HD chassis Class 3 GVW 10001-14000)			Standard Level			Federal Tier 3 HD Class 3 Bin 230	
Fuel		Diesel			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	--	--	--	0.0011	0	--	0.05	999.999
150,000 miles	NMOG	--	--	1	0.0003	0	--	0.0131	999.999
150,000 miles	NOX	--	--	--	0.0103	0	--	0.018	999.999
150,000 miles	PM	--	--	--	0.0001	0	--	0.0037	999.999

Certification Summary Information Report

Test Group		VFMXD06.771D	Evaporative/Refueling Family		--
Glossary					
Useful Life					
4	4,000 miles		120	120,000 miles	
50	50,000 miles		150	150,000 miles	
100	100,000 miles				
Emission Name					
HC-TOTAL	Total Hydrocarbon		COMB-CREE	Combined Carbon-Related Exhaust Emissions	
CO	Carbon Monoxide		COMB-OPT-CREE	Combined Optional Carbon-Related Exhaust Emissions	
CO2	Carbon dioxide		HC-TOTAL-EQUIV	Total Hydrocarbon equivalent - Evap only	
CREE	Carbon-Related Exhaust Emissions		METHANE-COMB	Combined CH4 for HD 2b/3 vehicles only	
OPT-CREE	Optional Carbon-Related Exhaust Emissions		N2O-COMB	Combined Nitrous Oxide for HD 2b/3 vehicles only	
NOX	Nitrogen Oxide		LEAK-DIA	Effective Leak Diameter (inches)	
PM	Particulate Matter		LEAK-GAS CAP	Gas Cap Leakage (cc/min)	
PM-COMP	SFTP Composite Particulate Matter		CO2-COMB	Combined Carbon Dioxide for HD 2b/3 Vehicles Only	
HC-NM	Non-methane Hydrocarbon		KW-HRS	Integrated DC KW-HRS	
OMHCE	Organic material Hydrocarbon Equivalent		CH4 BAG 1	Bag 1 Methane	
OMNMHCE	Organic material non-methane HC equivalent		CH4 BAG 2	Bag 2 Methane	
NMOG	Non-methane organic gases		CH4 BAG 3	Bag 3 Methane	
HCHO	Formaldehyde		CH4 BAG 4	Bag 4 Methane	
H3C2HO	Acetaldehyde		CO BAG 1	Bag 1 Carbon Monoxide	
HC-NM+NOX	SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03		CO BAG 2	Bag 2 Carbon Monoxide	
HC-NM+NOX-COMP	SFTP Composite Non-methane Hydrocarbon + Nitrogen Oxides		CO BAG 3	Bag 3 Carbon Monoxide	
CO-COMP	SFTP Composite Carbon Monoxide		CO BAG 4	Bag 4 Carbon Monoxide	
ETHANOL	C2H5OH - Ethanol		NMOG BAG 1	Bag 1 Non-methane organic gases	
FE BAG 1	Bag 1 Fuel Economy		NMOG BAG 2	Bag 2 Non-methane organic gases	
FE BAG 2	Bag 2 Fuel Economy		NMOG BAG 3	Bag 3 Non-methane organic gases	
FE BAG 3	Bag 3 Fuel Economy		NMOG BAG 4	Bag 4 Non-methane organic gases	
FE BAG 4	Bag 4 Fuel Economy		ACT-DISTANCE BAG 1	Bag 1 Actual Distance	
MFR FE	Manufacturer Fuel Economy		ACT-DISTANCE BAG 2	Bag 2 Actual Distance	
HC	Hydrocarbon for Running Loss and ORVR		ACT-DISTANCE BAG 3	Bag 3 Actual Distance	
METHANE	CH4 - Methane		ACT-DISTANCE BAG 4	Bag 4 Actual Distance	
METHANOL	CH3OH - Methanol		HC-TOTAL BAG 1	Bag 1 Total Hydrocarbon	
N2O	Nitrous Oxide		HC-TOTAL BAG 2	Bag 2 Total Hydrocarbon	
SPITBACK	Spitback Hydrocarbon in grams		HC-TOTAL BAG 3	Bag 3 Total Hydrocarbon	
AMP-HRS	Integrated Amp-hours		HC-TOTAL BAG 4	Bag 4 Total Hydrocarbon	
START-SOC	System Start State of Charge Watt-hours		WATT-HRS BAG 1	Bag 1 Watt Hours	
END-SOC	System End State of Charge Watt-hours		WATT-HRS BAG 2	Bag 2 Watt Hours	

Certification Summary Information Report

Test Group		VFMXD06.771D	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	

Certification Summary Information Report

Test Group		VFMXD06.771D	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				
Transmission Type Code					
AMS	Automated Manual- Selectable (e.g. Automated Manual with paddles)	M	Manual		
A	Automatic	OT	Other		
AM	Automated Manual	SA	Semi-Automatic		
CVT	Continuously Variable	SCV	Selectable Continuously Variable (e.g. CVT with paddles)		
Drive System Code					
4	4-Wheel Drive	P	Part-time 4-Wheel Drive		

Certification Summary Information Report

Test Group		VFMXD06.771D	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	