

CARB LDV E-Cert Form

Version 2.0.5.0

Please enter all data in UPPERCASE.

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Contact Information

<input type="text"/>

Application

General Information

CARB MFR Code:	<input type="text" value="XYZ"/>
Model Year:	<input type="text" value="2015"/>
Test Group Name:	<input type="text" value="FXYZD06.761L"/>
Application Type:	<u>NEW</u>

CSI 1

Durability Group Name:	<input type="text" value="FXYZDPDNNE1B"/>
Running Change Reference Number/Name:	<input type="text"/>
CARB TG Classification:	<u>50 STATES</u>
CARB TG Interim / In-Use FTP Standard:	<u>NOT APPLICABLE</u>
CARB TG Interim / In-Use SFTP Standard:	<u>NOT APPLICABLE</u>
Federally-Certified Vehicle (Cleaner Federal Vehicle):	<u>NO, THIS TEST GROUP COMPLIES WITH CA LOW EMISSION VEHICLE STANDARDS</u>
CARB FTP Standard:	<u>LEV2 ULEV</u>

EPA FTP Standard: NOT APPLICABLE
 SFTP Standard: NOT APPLICABLE
 Please select a vehicle class of a TG, or a vehicle class to which the most stringent standard is applied, if multiple vehicle classes are in the TG: MEDIUM-DUTY VEHICLE (GVWR = 8501 ~ 10000, NON-MDPV)
 Does this TG meet optional LEV NOx exhaust emission standard certification for "Work Trucks"?: NO
 TG Fuel Category: DEDICATED SINGLE FUEL VEHICLE
 Light-Duty Specially Constructed Vehicles (SPCNS): NO, THIS TEST GROUP IS NOT SPCNS

Light-Duty Specially Constructed Vehicles Only	
Weight of Worst Case Vehicle (lbs)	N/V Ratio of Worst Case Vehicle

OBD Approval Reference Number: E-14-127

CSI 1 Manufacturer Notes:

CSI 2A

Exhaust Emissions UL Years: Miles:
 Is any model in the TG granted DOR? NO
 Does NMOG Cert include DOR NMOG Credit? NO
 Is any model in the TG granted Non-PZEV Zero Evap? NO
 Does NMOG Cert include Non-PZEV Zero-Evap NMOG Credit? NO
 Direct measurement of NMOG? NOT APPLICABLE
 NMOG+NOx fleet average credit for extended warranty? NO

FTP NMOG/NMHC ratio: HCHO/NMHC ratio:

RAF for NMOG: RAF for Methane:

FTP Exhaust Emissions:

FTP Exhaust Emissions Test Fuel: DIESEL - EPA CERT FUEL (40CFR86.113-07(b)(2))

If Other, Specify:

Exhaust FTP xxHC Type: NON-METHANE HYDROCARBONS (NMHC)

If Other, Specify:

Modified Test Procedure for FTP Test? (If yes, describe modification & approval ref # in FTP Manufacturer Note) NO

Does this TG have a FFH? NO

Is the FFH operable above 40°F? NOT APPLICABLE

Does FTP CERT include FFH exhaust? NOT APPLICABLE

Units: (g/mi)									
Air Pollutant	xxHC	NOx	NMOG + NOx	CO	HCHO (mg/mi)	PM	Highway NOx	Highway NMOG + NOx	Cold-CO
4K CERT (50°F)									
4K STD (50°F)									
50K CERT									
50K STD									
UL CERT	0.056	0.19		0.28	7.9	0.008	0.08		
UL STD	0.143	0.2		6.4	16	0.06	0.4		

CSI 2A Manufacturer Note for FTP Exhaust Emissions:



CSI 2B

CSI 3

Test Group Description:

Engine Set Number: 1 (Select a sequential number, starting with 1 for each Set Number.)
 Engine Location: FRONT ENGINE
 (relation to the front of the vehicle):
 TG Combustion Cycle: 4-STROKE COMPRESSION IGNITION If Other:
 Cylinder/Block Arrangement: V-SHAPED ENGINE If Other:
 Number of Cylinders/Rotors: 8
 Engine Cooling Medium: LIQUID If Other:
 Engine Displacement (L): 6.7

Intake Valves per Cylinder:	Exhaust Valves per Cylinder:
<u>2</u>	<u>2</u>

Engine Valvetrain: NOT APPLICABLE If Other:
 Intake Variable Valve Timing (VVT): NOT APPLICABLE
 Exhaust Variable Valve Timing (VVT): NOT APPLICABLE
 Intake Valve Lift: NOT APPLICABLE Exhaust Valve Lift: NOT APPLICABLE
 Cylinder Deactivation: NO

Engine Special Features 1	Engine Special Features 2
<u>NOT APPLICABLE</u>	<u>NOT APPLICABLE</u>

TG Operating Fuel	TG Fuel Metering	TG Fuel Metering (If Other)	Rated Power (hp)	@RPM	Peak Torque (foot-pounds)	@RPM
<u>DIESEL</u>	<u>DIRECT FUEL INJECTION</u>		<u>440</u>	<u>2,800</u>	<u>860</u>	<u>1,600</u>

CSI 3 Manufacturer Note:

CSI 4 (All fields in red are considered CBI)

Exhaust Emissions Control System (ECS) Information:

ECS Set Number: 1 (Select a sequential number, starting with 1 for each Set Number.)
 Electronic Controls: PCM If Other:
 ECS Configuration: TC/DFI/CAC/EGR/EGRC/OC/PTOX/SCRC/NOXS
 Exhaust Gas Recirculation (EGR): YES
 Cooled EGR: YES-SINGLE LOOP
 EGR Type: ELECTRONIC If Other:
 Air Aspiration Method in the TG: SINGLE STAGE TURBO CHARGED If Other:
 Number of Air Aspiration Devices: 1
 Air Aspiration Configuration: SINGLE
 Charge Air Cooler Type: AIR-TO-LIQUID
 Number of Charge Air Coolers: 1
 Charge Air Cooler Configuration: SINGLE
 Air Injection: NOT APPLICABLE If Other:
 Direct Ozone Reduction (DOR) Device: NO
 Total Number of Physical Container(s) of ATD(s): 3
 This ECS Set is used for Production Vehicles: YES
 This ECS Set is used for EDV: YES
 This ECS Set is used for DDV: YES
 CSI 4 Manufacturer Note:

After-Treatment Device (ATD) Information:

ATD Container Number: 1 (Select a sequential number, starting with 1 for each ATD container.)

After-Treatment Type: OXIDATION CATALYST

200k Miles Extended Warranty for Particulate Filter: Select...

Total Number of Physical Substrates (bricks) in this container:

1

ATD Note:

Brick (Substrate) Information:

Size of Substrate (liters):

4.8

Substrate Precious Metals:

PLATINUM/PALLADIUM

**If
Other:**

Substrate Material:

CERAMIC

**If
Other:**

Substrate Construction:

MONOLITH

**If
Other:**

Cell Geometry:

HONEYCOMB

**If
Other:**

Substrate Cell Density (# of cells / in²):

Substrate Specific Active

Surface Area (m²/liter):

Precious Metal Loading Rate (g/liter):

Precious Metal Composition:

Uniform Loading of Precious Metals?

YES

ATD Container Number: (Select a sequential number, starting with 1 for each ATD container.)

After-Treatment Type:

200k Miles Extended Warranty for Particulate Filter:

Total Number of Physical Substrates (bricks) in this container:

ATD Note:

Brick (Substrate) Information:

Size of Substrate (liters):

Substrate Precious Metals:

**If
Other:**

Substrate Material:

**If
Other:**

Substrate Construction:

**If
Other:**

Cell Geometry:

**If
Other:**

Substrate Cell Density (# of cells / in²):

Substrate Specific Active

Surface Area (m²/liter):

Precious Metal Loading Rate (g/liter):

Precious Metal Composition:

Uniform Loading of Precious Metals?

ATD Container Number: (Select a sequential number, starting with 1 for each ATD container.)

After-Treatment Type:

200k Miles Extended Warranty for Particulate Filter:

Total Number of Physical Substrates (bricks) in this container:

ATD Note:

Brick (Substrate) Information:

Size of Substrate (liters):

Substrate Precious Metals:

**If
Other:**

Substrate Material:

**If
Other:**

Substrate Construction:

**If
Other:**

Cell Geometry:

**If
Other:**

Substrate Cell Density (# of cells / in²):

Substrate Specific Active

Surface Area (m²/liter):

Precious Metal Loading Rate (g/liter):

Precious Metal Composition:

Uniform Loading of Precious Metals?

Exhaust Feedback Sensor Information:

Sensor Type: Select...

Other Sensor Information:

Sensor Type: NOX SENSOR

If Other, Specify:

Number of Sensors:

CSI 5A (All fields in red are considered CBI)

Exhaust Emission Data Vehicle (EDV) Information:

EDV Set Number: 1 (Select a sequential number, starting with 1 for each Set Number.)

Test Group Name:

EDV Division Name:

EDV Model Name:

EDV Test Vehicle ID:

EDV Test Data Type: NEW TEST DATA

Original TG of EDV:

Original Evap Family of EDV:

EDV Engine Code:

EDV Displacement (liters):

EDV Cylinder (Block) Arrangement: V-SHAPED ENGINE

If Other, Specify:

EDV Number of Cylinders:

EDV Number of Intake Valves per Cylinder:

EDV Number of Exhaust Valves per Cylinder:

EDV Drive System: PART TIME FOUR WHEEL DRIVE

EDV N/V Ratio:

EDV Curb Weight (lb):

EDV LVW (lb):	<input type="text"/>	
EDV ALVW (lb):	<input type="text"/>	
EDV ETW (lb):	<input type="text" value="9500"/>	
EDV GVWR (lb):	<input type="text" value="9900"/>	
EDV ECS Set Number:	<input type="text" value="1"/>	(enter the ECS set number from CSI 4)
EDV Rated Power (hp):	<input type="text" value="440"/>	@ RPM: <input type="text" value="2,800"/>
EDV Transmission Type:	<u>SEMI-AUTOMATIC</u>	
EDV Number of Transmission Gears:	<input type="text" value="6"/>	
Alternate Shift:	<u>Select...</u>	
Shift Indicator Lamp (SIL):	<u>Select...</u>	
Transmission Shift Mode for Exhaust Emission Test:	<u>NORMAL</u>	If Other:

ATD Grouping Statistic of EDV:

ATD Grouping Statistic of EDV:	<input type="text" value="11"/>	
Tire Size:	Front: <input type="text"/>	Rear: <input type="text"/>

Raw Test Results without DF:

Test Type:	<u>FEDERAL TEST PROCEDURE (FTP)</u>	
Tested By:	<u>MANUFACTURER</u>	
Test ID:	<input type="text" value="FXYZ10132526"/>	
Test Date:	<input type="text" value="10/14/2013"/>	
Exh Test Fuel:	<u>DIESEL - EPA CERT FUEL (40CFR86.113-07(b)(2))</u>	
If Other, Specify:	<input type="text"/>	
Tested For:	<u>CERTIFICATION</u>	
Target Coefficient A (lb _f):	<input type="text" value="63.1"/>	
Target Coefficient B (lb _f /mph):	<input type="text" value="1.7856"/>	
Target Coefficient C (lb _f /mph ²):	<input type="text" value="0.03406"/>	
PHEV Operating Mode:	<u>NOT APPLICABLE</u>	
Is this the official certification test?:	<u>YES</u>	

THC (g/mi)	NMHC (g/mi)	NMOG (g/mi)	NOx (g/mi)	CO (g/mi)	HCHO (mg/mi)	PM (g/mi)	CO ₂ (g/mi)	MPG	CH ₄ (g/mi)	N ₂ O (g/mi)
0.0346	0.0248	0.0248	0.1027	0.3266	6.1	0.0003	690	14.5	0.0106	0.01

CSI 5A Manufacturer Note:

CSI 5B (All fields in red are considered CBI)

Durability Data Vehicle (DDV) and Emission Test Data:

DDV Set Number: 1 (Select a sequential number, starting with 1 for each Set Number.)

MFR Vehicle ID: FE42-6.7-432

Durability Group Method: DF

DDV ECS Set Number (From CSI 4): 1

ATD Grouping Statistic: 11 (ATD grouping statistic for this set of ATDs used for the DDV)

Max ATD Grouping Statistic: 11 (Maximum ATD grouping statistic for the durability group of the DDV)

Min ATD Grouping Statistic: 11 (Minimum ATD grouping statistic for the durability group of the DDV)

Durability Data Type: NEW TEST DATA

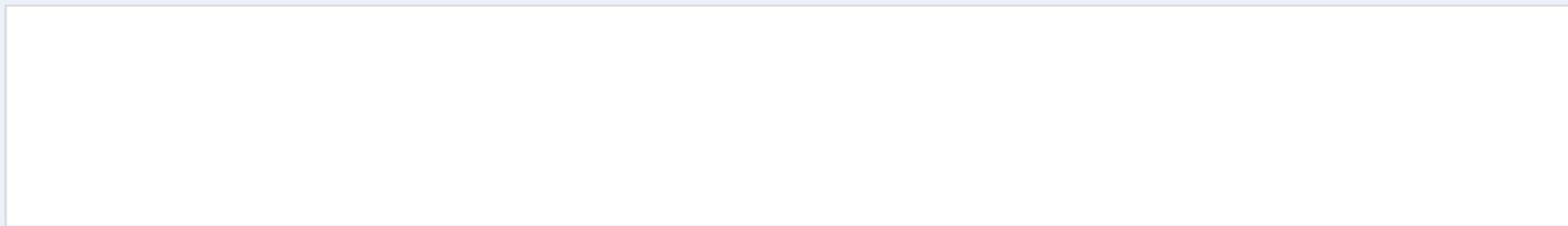
Original Durability Group Name: FXYZDTDNME1A

Aging Method: SRC - STANDARD ROAD CYCLE

Manufacturer ADP CARB Approval Ref #:

Durability Group Equivalency Factor: 1

ADP/Bench-aged Components:



Durability Group Operating Fuel	Durability Group Fuel Metering	Durability Group Fuel Metering Other
DIESEL	DIRECT FUEL INJECTION	

Raw Exhaust Emission Test Results:

Exhaust Test Date:

Test Point Mile:

MFR Test ID Number:

Exh Durability Test Fuel: Select...

If Other:

DF Emissions Test Type: Select...

PHEV Operating Mode: Select... (PHEV test only)

THC (g/mi)	NMHC (g/mi)	NMOG (g/mi)	NOx (g/mi)	CO (g/mi)	HCHO (mg/mi)	PM (g/mi)	CO ₂ (g/mi)	CH ₄ (g/mi)	N ₂ O (g/mi)
<input type="text"/>	<input type="text"/>	<input type="text"/>							

Deterioration Factors (DF):

DF Emissions Test Type: FEDERAL TEST PROCEDURE (FTP)

DF Type: ADDITIVE DF (NON-NEGATIVE)

	(Units for Additive DF: mg/mi for HCHO, g/mi for all others)							
	NMHC	NMOG	NOx	Highway NOx	CO	HCHO	PM	Cold-CO
50K DF	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
UL DF	0.0299	0.0299	0.07	0.07	0.001	1.2	0.008	<input type="text"/>

Adjustment Factors for Regeneration:

Frequency of regeneration (F):

	NMHC or NMOG (g/mi)	NOx (g/mi)	Highway NOx (g/mi)	CO (g/mi)	COLD-CO (g/mi)	HCHO (mg/mi)	PM (g/mi)
EF _H	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
EF _L	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
EF _A	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
UAF	0.01	0.04	0.04	0.00	<input type="text"/>	0.000	0.000
DAF	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

CSI 5B Manufacturer Notes:

CSI 6A

CSI 6B

CSI 6C

CSI 7 (All fields in red are considered CBI)

Vehicle Model Summary:

Model Number: (Select a sequential number, starting with 1 for each Model Number.)

Vehicle Make:

Carline Name:

Badge Name:

Body Style:

MFR Model Code:

Trim Level (i.e., CE, LE, etc):

Vehicle Class:	<u>MEDIUM-DUTY VEHICLE (GVWR = 8501 ~ 10000, NON-MDPV)</u>
ECS Set Number (From CSI 4):	<input type="text" value="1"/>
Engine Code:	<input type="text" value="50S"/>
Engine Set Number (From CSI 3):	<input type="text" value="1"/>
Evap Family:	<input type="text"/>
Leak Family Identifier: (From CSI 2B)	
Min Curb Weight (lbs):	<input type="text" value="6704"/>
Max Curb Weight (lbs):	<input type="text" value="8742"/>
Min ETW (lbs):	<input type="text" value="8500"/>
Max ETW (lbs):	<input type="text" value="9500"/>
Min GVWR (lbs):	<input type="text" value="9900"/>
Max GVWR (lbs):	<input type="text" value="10000"/>
Drive System:	<u>PART TIME FOUR WHEEL DRIVE</u>
	Electric Drive Motor Set # (From CSI 10A):
HEV Test Vehicle ID: (From CSI 10A)	
Regenerative Braking:	<u>NOT APPLICABLE</u>
Modified Test Procedure:	<u>NO</u>
Shift Indicator Lamp (SIL):	<u>NO</u>
Driver Selectable Modes:	<u>NO</u>
If Yes, Describe the Modes:	
Manufacturer Shift Schedule No. (City, Hwy, US06, SC03):	<input type="text"/>
Label Type:	<u>50 STATES</u>
CA Projected Sales:	<input style="background-color: #f8d7da;" type="text" value="1000"/>
Section 177 States Projected Sales:	<input style="background-color: #f8d7da;" type="text" value="4000"/>
NMOG Credit Non PZEV Zero Evap:	<input type="text"/>
NMOG Credit DOR Vehicle:	<input type="text"/>
PZEV Allowances:	
Baseline PZEV Allowance:	<input type="text" value="0"/>

Zero Emissions VMT Allowance:

Advanced ZEV Componentry Allowance:

High Pressure Gaseous or Hydrogen Fuel Storage:

Qualifying HEV Electric Drive System: NOT APPLICABLE

Allowance for Qualifying HEV Electric Drive System:

Fuel Cycle Emissions:

Hydrogen Internal Combustion Engine:

Allowance for US06 Capability:

Model Type:

Transmission Set Number: (Select a sequential number, starting with 1 for each Transmission Set Number.)

Transmission Type: If Other, Specify:

Transmission Gear #:

Model Type:

Axle Ratio

Evap Family Set Number (From CSI 6A)

Fuel Tank Set Number (From CSI 6A)

CSI 7 Manufacturer Note:

Vehicle Model Summary:

Model Number: (Select a sequential number, starting with 1 for each Model Number.)

Vehicle Make:

Carline Name:

Badge Name:

Body Style:

	BED DELETE
MFR Model Code:	
Trim Level (i.e., CE, LE, etc):	
Vehicle Class:	MEDIUM-DUTY VEHICLE (GVWR = 8501 ~ 10000, NON-MDPV)
ECS Set Number (From CSI 4):	1
Engine Code:	50S
Engine Set Number (From CSI 3):	1
Evap Family:	
Leak Family Identifier: (From CSI 2B)	
Min Curb Weight (lbs):	7959
Max Curb Weight (lbs):	8514
Min ETW (lbs):	9000
Max ETW (lbs):	9000
Min GVWR (lbs):	9900
Max GVWR (lbs):	9900
Drive System:	PART TIME FOUR WHEEL DRIVE
Electric Drive Motor Set # (From CSI 10A):	
HEV Test Vehicle ID: (From CSI 10A)	
Regenerative Braking:	<u>NOT APPLICABLE</u>
Modified Test Procedure:	<u>NO</u>
Shift Indicator Lamp (SIL):	<u>NO</u>
Driver Selectable Modes:	<u>NO</u>
If Yes, Describe the Modes:	
Manufacturer Shift Schedule No. (City, Hwy, US06, SC03):	
Label Type:	<u>50 STATES</u>
CA Projected Sales:	500
Section 177 States Projected Sales:	2000
NMOG Credit Non PZEV Zero Evap:	

NMOG Credit DOR Vehicle:

PZEV Allowances:

Baseline PZEV Allowance:

Zero Emissions VMT Allowance:

Advanced ZEV Componentry Allowance:

High Pressure Gaseous or Hydrogen Fuel Storage:

Qualifying HEV Electric Drive System: NOT APPLICABLE

Allowance for Qualifying HEV Electric Drive System:

Fuel Cycle Emissions:

Hydrogen Internal Combustion Engine:

Allowance for US06 Capability:

Model Type:

Transmission Set Number: (Select a sequential number, starting with 1 for each Transmission Set Number.)

Transmission Type: If Other, Specify:

Transmission Gear #:

Model Type:

Axle Ratio

Evap Family Set Number (From CSI 6A)

Fuel Tank Set Number (From CSI 6A)

CSI 7 Manufacturer Note:

CSI 10A

CSI 10B (All fields in red are considered CBT)

