

# CARB LDV E-Cert Form

Version 2.0.5.0

Please enter all data in UPPERCASE.

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Contact Information


Application

General Information

CARB MFR Code:	XYZ
Model Year:	2015
Test Group Name:	FXYZD06.761L
Application Type:	NEW

CSI 1

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

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:

10

Miles:

120000

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:1.0HCHO/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:



<b>CSI 2B</b>
<b>CSI 3</b>

**Test Group Description:**

Engine Set Number:

1

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

Engine Location

(relation to the front of the vehicle):

FRONT ENGINE

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:
<div>2</div>	<div>2</div>

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
<div>NOT APPLICABLE</div>	<div>NOT APPLICABLE</div>

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

CSI 3 Manufacturer Note:

**CSI 4 (All fields in red are considered CBI)**

**Exhaust Emissions Control System (ECS) Information:**

ECS Set Number:	<u>1</u>	(Select a sequential number, starting with 1 for each Set Number.)
Electronic Controls:	<u>PCM</u>	If Other:
ECS Configuration:	TC/DFI/CAC/EGR/EGRC/OC/PTOX/SCRC/NOXS	
Exhaust Gas Recirculation (EGR):	<u>YES</u>	
Cooled EGR:	<u>YES-SINGLE LOOP</u>	
EGR Type:	<u>ELECTRONIC</u>	If Other:
Air Aspiration Method in the TG:	<u>SINGLE STAGE TURBO CHARGED</u>	If Other:
Number of Air Aspiration Devices:	<u>1</u>	
Air Aspiration Configuration:	<u>SINGLE</u>	
Charge Air Cooler Type:	<u>AIR-TO-LIQUID</u>	
Number of Charge Air Coolers:	<u>1</u>	
Charge Air Cooler Configuration:	<u>SINGLE</u>	
Air Injection:	<u>NOT APPLICABLE</u>	If Other:
Direct Ozone Reduction (DOR) Device:	<u>NO</u>	
Total Number of Physical Container(s) of ATD(s):	<u>3</u>	
This ECS Set is used for Production Vehicles:	<u>YES</u>	
This ECS Set is used for EDV:	<u>YES</u>	
This ECS Set is used for DDV:	<u>YES</u>	
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 / in<sup>2</sup>):

Substrate Specific Active Surface Area (m<sup>2</sup>/liter):

Precious Metal Loading Rate (g/liter):

Precious Metal Composition:

Uniform Loading of Precious Metals?

YES

ATD Container Number:

2

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

After-Treatment Type:

SELECTIVE CATALYTIC REDUCTION CATALYST (UREA-BASED)

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):

6

Substrate Precious Metals:

Select...

If  
Other:

Substrate Material:

CERAMIC

If  
Other:

Substrate Construction:

MONOLITH

If  
Other:

Cell Geometry:

HONEYCOMB

If  
Other:

Substrate Cell Density (# of cells / in<sup>2</sup>):

Substrate Specific Active Surface Area (m<sup>2</sup>/liter):

Precious Metal Loading Rate (g/liter):

Precious Metal Composition:

Uniform Loading of Precious Metals?

Select...

ATD Container Number:

3

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

After-Treatment Type:

DIESEL PARTICULATE FILTER (ACTIVE)

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):

6.4

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 / in<sup>2</sup>):

Substrate Specific Active Surface Area (m<sup>2</sup>/liter):

Precious Metal Loading Rate (g/liter):

Precious Metal Composition:

Uniform Loading of Precious Metals?

Select...

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:
<b>ATD Grouping Statistic of EDV:</b>	<input type="text" value="11"/>	

Tire Size:	Front: <input type="text"/>	Rear: <input type="text"/>
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**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 <sub>f</sub> ):	<input type="text" value="63.1"/>
Target Coefficient B (lb <sub>f</sub> /mph):	<input type="text" value="1.7856"/>
Target Coefficient C (lb <sub>f</sub> /mph <sup>2</sup> ):	<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 <sub>2</sub> (g/mi)	MPG	CH4 (g/mi)	N2O (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 <sub>2</sub> (g/mi)	CH <sub>4</sub> (g/mi)	N <sub>2</sub> O (g/mi)
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<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): 0.019

	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 <sub>H</sub>							
EF <sub>L</sub>							
EF <sub>A</sub>							
UAF	0.01	0.04	0.04	0.00		0.000	0.000
DAF							

CSI 5B Manufacturer Notes:

- CSI 6A
- CSI 6B
- CSI 6C
- CSI 7 (All fields in red are considered CBI)

Vehicle Model Summary:

Model Number:

1

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

Vehicle Make:

FRYER

Carline Name:

FRYER

Badge Name:

Z250 PICKUP 2WD DIESEL

Body Style:

PICKUP

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>
	<b>Electric Drive Motor Set # (From CSI 10A):</b>
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>
<b>CA Projected Sales:</b>	<input type="text" value="1000"/>
<b>Section 177 States Projected Sales:</b>	<input type="text" value="4000"/>
NMOG Credit Non PZEV Zero Evap:	<input type="text"/>
NMOG Credit DOR Vehicle:	<input type="text"/>
<b>PZEV Allowances:</b>	
Baseline PZEV Allowance:	<input type="text" value="0"/>

Zero Emissions VMT Allowance: 0

Advanced ZEV Componentry Allowance:

High Pressure Gaseous or Hydrogen Fuel Storage: 0

Qualifying HEV Electric Drive System: NOT APPLICABLE

Allowance for Qualifying HEV Electric Drive System: 0

Fuel Cycle Emissions: 0

Hydrogen Internal Combustion Engine: 0

Allowance for US06 Capability: 0

Model Type:

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

Transmission Type: SEMI-AUTOMATIC If Other, Specify:

Transmission Gear #: 6

Model Type:

Axle Ratio

3.55

Evap Family Set Number (From CSI 6A)

Fuel Tank Set Number (From CSI 6A)

CSI 7 Manufacturer Note:

Vehicle Model Summary:

Model Number: 2 (Select a sequential number, starting with 1 for each Model Number.)

Vehicle Make: FRYER

Carline Name: FRYER

Badge Name: Z250 BED DELETE 2WD DIESEL

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:	NOT APPLICABLE
Modified Test Procedure:	NO
Shift Indicator Lamp (SIL):	NO
Driver Selectable Modes:	NO
If Yes, Describe the Modes:	
Manufacturer Shift Schedule No. (City, Hwy, US06, SC03):	
Label Type:	50 STATES
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:

0

Zero Emissions VMT Allowance:

0

Advanced ZEV Componentry Allowance:

High Pressure Gaseous or Hydrogen Fuel Storage:

0

Qualifying HEV Electric Drive System:

NOT APPLICABLE

Allowance for Qualifying HEV Electric Drive System:

0

Fuel Cycle Emissions:

0

Hydrogen Internal Combustion Engine:

0

Allowance for US06 Capability:

0

Model Type:

Transmission Set Number:

1

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

Transmission Type:

SEMI-AUTOMATIC

If Other, Specify:

Transmission Gear #:

6

Model Type:

Axle Ratio

3.55

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)

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