

CARB LDV E-Cert Form

Version 2.0.5.0

Please enter all data in UPPERCASE.

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Contact Information

CARB MFR Code:	<input type="text"/>
First Name:	<input type="text"/>
Last Name:	<input type="text"/>
Phone Number:	<input type="text"/>
Email Address:	<input type="text"/>

Application

General Information

CARB MFR Code:	<input type="text" value="ARB"/>
Model Year:	<input type="text" value="2015"/>
Test Group Name:	<input type="text" value="FXYZT06.20JK"/>
Application Type:	<u>NEW</u>

CSI 1

Durability Group Name:	<input type="text" value="FXYZGNGFND2B"/>
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>YES, THIS TEST GROUP COMPLIES WITH CLEANER FEDERAL STANDARDS (BIN)</u>
CARB FTP Standard:	<u>LEV2 ULEV</u>

EPA FTP Standard:

TIER2 BIN8

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-14-532

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?

NO

NMOG+NOx fleet average credit for extended warranty?

NO

FTP NMOG/NMHC ratio:1.04HCHO/NMHC ratio:

RAF for NMOG:RAF for Methane:

FTP Exhaust Emissions:

FTP Exhaust Emissions Test Fuel:GASOLINE - TIER 2 UNLEADED (40CFR86.113-04(a)(1))

If Other, Specify:

Exhaust FTP xxHC Type:NON-METHANE ORGANIC GAS (NMOG)

If Other, Specify:

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

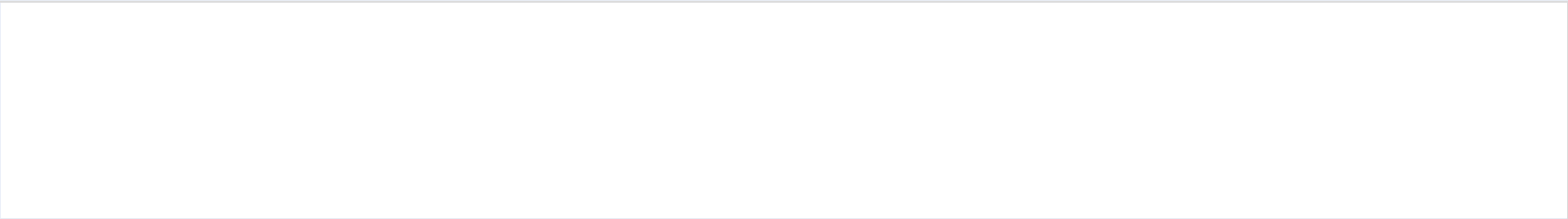
Does this TG have a FFH?NO

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	0.062	0.08		2.3					6.8
50K STD	0.100	0.14		3.4	15	0.02			12.5
UL CERT	0.079	0.13		3.2					
UL STD	0.125	0.20		4.2	18	0.02			

CSI 2A Manufacturer Note for FTP Exhaust Emissions:



CSI 2B

Evaporative/Refueling Emissions:

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

Evap Refuel Family: FXYZF0250ABT

Certification option for evaporative emissions: LEV 2

Evap Emission STD Vehicle Class: MEDIUM-DUTY VEHICLE (GVWR = 8501 ~ 10000)

Cert Test Fuel for Evap: E10 - 10% ETHANOL + 90% TIER 2 UNLEADED GAS (EPA)

If Other, Specify:

Cert Test Fuel for ORVR: E10 - 10% ETHANOL + 90% TIER 2 UNLEADED GAS (EPA)

If Other, Specify:

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

Evap Pollutant Type: TOTAL HYDROCARBONS (THC)

	Evaporative Emissions			Zero-Fuel Evaporative Emissions (g/test)		Canister Bleed (g/test)	ORVR (g/gal)
	3-Days + Hot Soak (g/test)	2-Days + Hot Soak (g/test)	Running Loss (g/mi)	3-Days + Hot Soak	2-Days + Hot Soak		
CERT:	0.53		0.001				0.04
FEL:							
STD:	1.00	1.25	0.05				0.20

Evaporative Emissions:

Leak Family Identifier

Cert (inches)

Standard (inches)

Evap UL Years: 15

Evap UL Miles: 150000

ORVR UL Years: 10

ORVR UL Miles: 120000

NMOG credit (g/mi) used for zero evap cert (rig test only):

Evap emissions (g/test) offset by NMOG credit for zero evap test (rig test only):

CSI 2B Manufacturer Note:

Evaporative/Refueling Emissions:

Evap Data Set Number:2(Select a sequential number, starting with 1 for each Evaporative Data Set.)

Evap Refuel Family:FXYZF0265ADT

Certification option for evaporative emissions:LEV 2

Evap Emission STD Vehicle Class:MEDIUM-DUTY VEHICLE (GVWR = 8501 ~ 10000)

Cert Test Fuel for Evap:E10 - 10% ETHANOL + 90% TIER 2 UNLEADED GAS (EPA)

If Other, Specify:

Cert Test Fuel for ORVR:E10 - 10% ETHANOL + 90% TIER 2 UNLEADED GAS (EPA)

If Other, Specify:

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

Evap Pollutant Type:TOTAL HYDROCARBONS (THC)

	Evaporative Emissions			Zero-Fuel Evaporative Emissions (g/test)		Canister Bleed (g/test)	ORVR (g/gal)
	3-Days + Hot Soak (g/test)	2-Days + Hot Soak (g/test)	Running Loss (g/mi)	3-Days + Hot Soak	2-Days + Hot Soak		
CERT:	0.45		0.001				
FEL:							
STD:	1.00	1.25	0.05				

Evaporative Emissions:

Leak Family Identifier	Cert (inches)	Standard (inches)
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Evap UL Years:15

ORVR UL Years:10

NMOG credit (g/mi) used for zero evap cert (rig test only):

Evap emissions (g/test) offset by NMOG credit for zero evap test (rig test only):

CSI 2B Manufacturer Note:

Evap UL Miles:150000

ORVR UL Miles:120000

CSI 3

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 SPARK 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):

6.2

Intake Valves per Cylinder:	Exhaust Valves per Cylinder:
1	1

Engine Valvetrain:

SINGLE OVERHEAD CAM

If Other:

Intake Variable Valve Timing (VVT):

FIXED 1 (ONLY ONE VALVE TIMING)

Exhaust Variable Valve Timing
(VVT):

FIXED 1 (ONLY ONE VALVE TIMING)

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>GASOLINE</u>	<u>SEQUENTIAL MULTIPORT FUEL INJECTION</u>		385	5,500	405	4,500

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:

2TWC, 2WR-HO2S, 2HO2S, SFI

Exhaust Gas Recirculation (EGR):

NO

Cooled EGR:

NOT APPLICABLE

EGR Type:

NOT APPLICABLE

If Other:

Air Aspiration Method in the TG:

NATURALLY ASPIRATED

If Other:

Number of Air Aspiration Devices:

Air Aspiration Configuration:

NONE

Charge Air Cooler Type:

NOT APPLICABLE

Number of Charge Air Coolers:

Charge Air Cooler Configuration:

NONE

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):	<input type="text" value="1"/>	
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:	<div></div>	

After-Treatment Device (ATD) Information:

ATD Container Number:	<u>1</u>	(Select a sequential number, starting with 1 for each ATD container.)
After-Treatment Type:	<u>THREE-WAY CATALYST</u>	
200k Miles Extended Warranty for Particulate Filter:	<u>NO: PARTICULATE FILTER DOES NOT HAVE 200K MI EXTENDED WARRANTY</u>	
Total Number of Physical Substrates (bricks) in this container:	<input type="text" value="1"/>	
ATD Note:	<div></div>	

Brick (Substrate) Information:

Size of Substrate (liters):	<input type="text" value="1.88"/>	
Substrate Precious Metals:	<u>PLATINUM/RHODIUM</u>	If

Substrate Material:	CERAMIC	Other:
Substrate Construction:	MONOLITH	If
Cell Geometry:	HONEYCOMB	Other:
Substrate Cell Density (# of cells / in ²):		If
Substrate Specific Active Surface Area (m ² /liter):		Other:
Precious Metal Loading Rate (g/liter):	0:6:2	
Precious Metal Composition:		
Uniform Loading of Precious Metals?	YES	

Exhaust Feedback Sensor Information:

Sensor Type: WIDE RANGE/LINEAR/AIR-FUEL RATIO HEATED OXYGEN SENSOR

Other Sensor Information:

Sensor Type:

If Other, Specify:

Number of Sensors:

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

Exhaust Emission Data Vehicle (EDV) Information:

EDV Set Number:	<u>1</u>	(Select a sequential number, starting with 1 for each Set Number.)
Test Group Name:	<input type="text" value="FXYZT06.20JK"/>	
EDV Division Name:	<input type="text" value="ABC"/>	
EDV Model Name:	<input type="text" value="FRYER"/>	
EDV Test Vehicle ID:	<input type="text" value="FRYER-001"/>	
EDV Test Data Type:	<u>NEW TEST DATA</u>	

Original TG of EDV:

Original Evap Family of EDV:

EDV Engine Code:

01

EDV Displacement (liters):

6.2

EDV Cylinder (Block) Arrangement:

V-SHAPED ENGINE

If Other, Specify:

EDV Number of Cylinders:

8

EDV Number of Intake Valves per Cylinder:

1

EDV Number of Exhaust Valves per Cylinder:

1

EDV Drive System:

REAR WHEEL DRIVE

EDV N/V Ratio:

32.0

EDV Curb Weight (lb):

10603

EDV LVW (lb):

EDV ALVW (lb):

EDV ETW (lb):

11000

EDV GVWR (lb):

12600

EDV ECS Set Number:

1

(enter the ECS set number from CSI 4)

EDV Rated Power (hp):

385

@ RPM: 5,500

EDV Transmission Type:

SEMI-AUTOMATIC

EDV Number of Transmission Gears:

6

Alternate Shift:

NO

Shift Indicator Lamp (SIL):

NO

Transmission Shift Mode for Exhaust Emission Test:

NORMAL

If Other:

ATD Grouping Statistic of EDV:

6.2

Tire Size:

Front:

Rear:

245/75R17

245/75R17

Raw Test Results without DF:

Test Type: FEDERAL TEST PROCEDURE (FTP)

Tested By: EPA

Test ID: FXYZ10132536

Test Date: 9/17/2013

Exh Test Fuel: GASOLINE - TIER 2 UNLEADED (40CFR86.113-04(a)(1))

If Other, Specify:

Tested For: CERTIFICATION

Target Coefficient A (lb_f): 71.71

Target Coefficient B (lb_f/mph): 1.6767

Target Coefficient C (lb_f/mph²): 0.11038

PHEV Operating Mode: NOT APPLICABLE

Is this the official certification test?: YES

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)
0.0687	0.0483	0.0502	0.054	1.667			894.88	9.9	0.0202	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: EFA1-6.2-820

Durability Group Method: DF

DDV ECS Set Number (From CSI 4):

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

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

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

Durability Data Type: CARRYOVER DATA

Original Durability Group Name:

Aging Method: BENCH AGING

Manufacturer ADP CARB Approval Ref #:

Durability Group Equivalency Factor:

ADP/Bench-aged Components:

Durability Group Operating Fuel	Durability Group Fuel Metering	Durability Group Fuel Metering Other
<u>GASOLINE</u>	<u>SEQUENTIAL MULTIPORT FUEL INJECTION</u>	

Raw Exhaust Emission Test Results:

Exhaust Test Date:

Test Point Mile:

MFR Test ID Number:

Exh Durability Test Fuel: GASOLINE - TIER 2 UNLEADED (40CFR86.113-04(a)(1))

If Other:

DF Emissions Test Type: FEDERAL TEST PROCEDURE (FTP)

PHEV Operating Mode: NOT APPLICABLE (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)

		0.062	0.13	2.3					
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Raw Exhaust Emission Test Results:

Exhaust Test Date: 9/17/2013

Test Point Mile: 120,000

MFR Test ID Number: FXYZ10132536

Exh Durability Test Fuel: GASOLINE - TIER 2 UNLEADED (40CFR86.113-04(a)(1))

If Other:

DF Emissions Test Type: FEDERAL TEST PROCEDURE (FTP)

PHEV Operating Mode: NOT APPLICABLE (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)
		0.079	0.13	3.2					

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	0.0111	0.0115	0.029	0.029	0.59			0.59
UL DF	0.0280	0.0291	0.073	0.073	1.48			

CSI 5B Manufacturer Notes:

Evaporative Family Description:

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

Evap Family:FXYZF0265ADT

ORVR Type:INTEGRATED

Fill Pipe Seal Mechanism:LIQUID TRAPIf Other:

Fill Pipe Compliant:YES

Tank Material:OTHER

If Other, Specify:PLASTIC

Tank Temperature Profile Development:TRACK DRIVING

Approval # (Environmental Chamber only):

Zero Evap Compliance:NO

Is the vehicle a PZEV?:NO

HC Capture Method for Canister Bleed Test:Select...

Evap Family Operating Fuel	Evap Family Operating Fuel Other
GASOLINE	

Canister Information:

Canister Type:MAIN CANISTER

Number of Canisters:1

Canister Configuration:SINGLE

Total Butane Working Capacity (g):250

Canister Total Bed Volume (cc):3,900

Canister Storage Medium:ACTIVATED CARBON

Canister Notes:

Fuel Tank Information:

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

Used for Production Vehicle: YES

Used for Evap EDV: YES

Used for Evap DDV: YES

Number Of Fuel Tanks:

40%-Fill Total Fuel Tank(s) Capacity (Gallons):

100%-Fill Total Fuel Tank(s) Capacity (Gallons):

Fuel Tank(s) Total Geometric Volume (Gallons):

Fuel Tank Notes:

CSI 6A Manufacturer Note:

CSI 6B

Evaporative Refueling Emission Data Vehicle (EDV) Information:

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

Evap Family Name:

Evap Test Vehicle ID:

Evap Test Vehicle Model:

EDV Evap Type:

Original Evap Family of Evap EDV:

TG of Evap EDV:

Evap Test Vehicle Engine Code:

Displacement (liters):

Rated Power (hp): @RPM:

Cylinder (Block) Arrangement:

If Other, Specify:

Number of Cylinders:

Transmission:

If Other, Specify:

Number of Transmission Gears:

Target Coefficient A (lb_f):

Target Coefficient B (lb_f/mph):

Target Coefficient C (lb_f/mph²):

Tire Size Front: Rear:

Curb Weight (lb):

LVW (lb):

ALVW (lb):

ETW (lb):

GVWR (lb):

Fuel Tank Set Number (From CSI6A): 1

Raw Evaporative Refueling Test Results:

Evap Test Type: 3-DAYS + HOT SOAK (WHOLE VEHICLE, G/TEST)

Evap Test Date: 5/15/2012

Evap Test ID Number: XYZ-01

Tested By: MANUFACTURER

Evap Test Fuel: E10 - 10% ETHANOL + 90% TIER 2 UNLEADED GAS (EPA)

If Other, Specify:

Official Cert Test: YES

Tested For: CERTIFICATION

R/L Test:

Test Procedure: CARB

Evap Pollutant Type: ORGANIC MATERIAL HYDROCARBON EQUIVALENT (OMHCE)

	1 st Day	2 nd Day	3 rd Day	Hot Soak
Raw Evap Test for 3D+HS (g/test)	0.32	0.30	0.28	0.23
Raw Evap Test for 2D+HS (g/test)				

Raw Evap Test for Running Loss (g/mi): 0.001

Raw Evap Test for ORVR (g/gallon): 0.04

Raw Evap Test for Canister Bleed (g/test):

Effective Leak Diameter Test Results:

CSI 6B Manufacturer Note:

Evaporative Refueling Emission Data Vehicle (EDV) Information:

Evap EDV Set Number:	2	(Select a sequential number, starting with 1 for each Set Number.)	
Evap Family Name:	FXYZF0265ADT		
Evap Test Vehicle ID:	EFA1-6.2-J-004		
Evap Test Vehicle Model:	J350 CREW CAB 4X4		
EDV Evap Type:	CARRYOVER DATA		
Original Evap Family of Evap EDV:	EXYZF0265ADT		
TG of Evap EDV:			
Evap Test Vehicle Engine Code:	EFA12E0601		
Displacement (liters):	6.2		
Rated Power (hp):	383	@RPM:	5,500
Cylinder (Block) Arrangement:	V-SHAPED ENGINE		
If Other, Specify:			
Number of Cylinders:	8		
Transmission:	SEMI-AUTOMATIC		
If Other, Specify:			
Number of Transmission Gears:			
Target Coefficient A (lb _f):	71.71		
Target Coefficient B (lb _f /mph):	1.6767		
Target Coefficient C (lb _f /mph ²):	0.11038		
Tire Size	Front:		Rear:
Curb Weight (lb):	10507		
LVW (lb):			
ALVW (lb):			
ETW (lb):	11000		
GVWR (lb):	14,000		
Fuel Tank Set Number (From CSI6A):	1		

Raw Evaporative Refueling Test Results:

Evap Test Type:3-DAYS + HOT SOAK (WHOLE VEHICLE, G/TEST)

Evap Test Date:4/9/2012

Evap Test ID Number:XYZ-01

Tested By:MANUFACTURER

Evap Test Fuel:E10 - 10% ETHANOL + 90% TIER 2 UNLEADED GAS (EPA)

If Other, Specify:

Official Cert Test:YES

Tested For:CERTIFICATION

R/L Test:

Test Procedure:CARB

Evap Pollutant Type:ORGANIC MATERIAL HYDROCARBON EQUIVALENT (OMHCE)

	1 st Day	2 nd Day	3 rd Day	Hot Soak
Raw Evap Test for 3D+HS (g/test)	0.30	0.28	0.26	0.15
Raw Evap Test for 2D+HS (g/test)				

Raw Evap Test for Running Loss (g/mi):0.001

Raw Evap Test for ORVR (g/gallon):

Raw Evap Test for Canister Bleed (g/test):

Effective Leak Diameter Test Results:

CSI 6B Manufacturer Note:

THE INCOMPLETE VEHICLES IN EVAPORATIVE FAMILY FXYZF0265ADT ARE EXEMPT FROM REFUELING EMISSION STANDARDS UNDER THE PROVISIONS OF 13 CCR SECTION 1978(A)(4) AND THE INCORPORATED TEST PROCEDURES.

Evaporative DDV and Durability Test Information:

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

Evaporative Family:FXYZF0250ABT

Evap DF Type:MANUFACTURER DF

DDV Evap Type:CARRYACROSS DATA

Evap Family of Evap DDV:

TG of Evap DDV:

Evap DDV Test Vehicle Model:

Displacement (liters):

Fuel Tank Set Number (From CSI6A):1

Evaporative DDV Note:

Durability Information:

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

Durability Information Type:BENCH INFORMATION

Manufacturer Durability Set (Bench/Vehicle/Rig Test) ID:1(Start with 1 and increment to the total number of different evaporative durability test)

Vehicle Test ID:(Vehicle Evap DF Test Only)

Evaporative Test Type:3-DAYS + HOT SOAK (WHOLE VEHICLE, G/TEST)

Test ID Number:1.2-3

Test Point (miles):

Test Date:9/5/2011

Evap Durability Test Fuel:E10 -10% ETHANOL + 90% TIER 2 UNLEADED GAS (EPA)

If Other, Specify:

	1 st Day	2 nd Day	3 rd Day	Hot Soak

Raw Evap Test for 3D+HS (g/test)				
Raw Evap Test for 2D+HS (g/test)				

Raw Evap Test for Running Loss (g/mi):

Raw Evap Test for ORVR (g/gallon):

Used For DF Calculation: YES

Deterioration Factors (DF):

	3-Days + Hot Soak (g/test)	2-Days + Hot Soak (g/test)	Running Loss (g/mi)	ORVR (g/gallon)
Overall Bench Evap DF:	0.00		0.00	0.026
Vehicle Evap DF:				
Overall Certification Evap DF:	0.00		0.00	0.026

Bench DF Manufacturer Notes:

Vehicle DF Manufacturer Notes:

Evaporative DDV and Durability Test Information:

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

Evaporative Family: FXYZF0265ADT

Evap DF Type: MANUFACTURER DF

DDV Evap Type: CARRYACROSS DATA

Evap Family of Evap DDV:

TG of Evap DDV:

Evap DDV Test Vehicle Model:

Displacement (liters):

Fuel Tank Set Number (From CSI6A): 1

Evaporative DDV Note:

Durability Information:

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

Durability Information Type: BENCH INFORMATION

Manufacturer Durability Set (Bench/Vehicle/Rig Test) ID: 1 (Start with 1 and increment to the total number of different evaporative durability test)

Vehicle Test ID: (Vehicle Evap DF Test Only)

Evaporative Test Type: 3-DAYS + HOT SOAK (WHOLE VEHICLE, G/TEST)

Test ID Number: 1.3-2

Test Point (miles):

Test Date: 12/12/2011

Evap Durability Test Fuel: E10 - 10% ETHANOL + 90% TIER 2 UNLEADED GAS (EPA)

If Other, Specify:

	1 st Day	2 nd Day	3 rd Day	Hot Soak
Raw Evap Test for 3D+HS				

(g/test)				
Raw Evap Test for 2D+HS (g/test)				
Raw Evap Test for Running Loss (g/mi):				
Raw Evap Test for ORVR (g/gallon):				
Used For DF Calculation:	<u>YES</u>			

Deterioration Factors (DF):

	3-Days + Hot Soak (g/test)	2-Days + Hot Soak (g/test)	Running Loss (g/mi)	ORVR (g/gallon)
Overall Bench Evap DF:	0.00		0.00	0.026
Vehicle Evap DF:				
Overall Certification Evap DF:	0.00		0.00	0.026

Bench DF Manufacturer Notes:	
Vehicle DF Manufacturer Notes:	

CSI 7 (All fields in red are considered CBI)

Vehicle Model Summary:

Model Number:	<u>1</u> (Select a sequential number, starting with 1 for each Model Number.)
Vehicle Make:	FRYER
Carline Name:	FRYER
Badge Name:	Z250
Body Style:	2WD/4WD BOX DELETE
MFR Model Code:	01
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):	1
Engine Code:	01
Engine Set Number (From CSI 3):	1
Evap Family:	FXYZF0250ABT
Leak Family Identifier: (From CSI 2B)	
Min Curb Weight (lbs):	6517
Max Curb Weight (lbs):	6547
Min ETW (lbs):	7000
Max ETW (lbs):	7000
Min GVWR (lbs):	9970
Max GVWR (lbs):	10000
Drive System:	<u>REAR 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):	

Label Type: 50 STATES

CA Projected Sales: 150

Section 177 States Projected Sales: 1500

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

4.3

Evap Family Set Number (From CSI 6A)	Fuel Tank Set Number (From CSI 6A)
1	1

CSI 7 Manufacturer Note:

Vehicle Model Summary:

Model Number:	<div>2</div> <div>(Select a sequential number, starting with 1 for each Model Number.)</div>
Vehicle Make:	<div>FRYER</div>
Carline Name:	<div>FRYER</div>
Badge Name:	<div>Z350</div>
Body Style:	<div>CAB CHASSIS</div>
MFR Model Code:	<div>02</div>
Trim Level (i.e., CE, LE, etc):	<div></div>
Vehicle Class:	<div>MEDIUM-DUTY VEHICLE (GVWR = 10001 ~ 14000)</div>
ECS Set Number (From CSI 4):	<div>1</div>
Engine Code:	<div>01</div>
Engine Set Number (From CSI 3):	<div>1</div>
Evap Family:	<div>FXYZF0265ADT</div>
Leak Family Identifier: (From CSI 2B)	
Min Curb Weight (lbs):	<div>9444</div>
Max Curb Weight (lbs):	<div>9562</div>
Min ETW (lbs):	<div>9500</div>
Max ETW (lbs):	<div>10000</div>
Min GVWR (lbs):	<div>13700</div>
Max GVWR (lbs):	<div>14000</div>
Drive System:	<div>REAR WHEEL DRIVE</div>

Electric Drive Motor Set # (From CSI 10A):

HEV Test Vehicle ID: (From CSI 10A)	<input type="text"/>		
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 type="text" value="120"/>		
Section 177 States Projected Sales:	<input type="text" value="1200"/>		
NMOG Credit Non PZEV Zero Evap:	<input type="text"/>		
NMOG Credit DOR Vehicle:	<input type="text"/>		
PZEV Allowances:			
Baseline PZEV Allowance:	<input type="text"/>		
Zero Emissions VMT Allowance:	<input type="text"/>		
Advanced ZEV Componentry Allowance:			
High Pressure Gaseous or Hydrogen Fuel Storage:	<input type="text" value="0"/>	Qualifying HEV Electric Drive System: <u>NOT APPLICABLE</u>	
Allowance for Qualifying HEV Electric Drive System:	<input type="text" value="0"/>		
Fuel Cycle Emissions:	<input type="text" value="0"/>		
Hydrogen Internal Combustion Engine:	<input type="text" value="0"/>		
Allowance for US06 Capability:	<input type="text" value="0"/>		
Model Type:			
Transmission Set Number:	<input type="text" value="1"/>	(Select a sequential number, starting with 1 for each Transmission Set Number.)	
Transmission Type:	<u>SEMI-AUTOMATIC</u>		If Other, Specify:
Transmission Gear #:	<input type="text" value="6"/>		
Model Type:	<input type="text"/>		

Axle Ratio

4.3

Evap Family Set Number (From CSI 6A)	Fuel Tank Set Number (From CSI 6A)
2	1

CSI 7 Manufacturer Note:

CSI 10A

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