

CARB LDV E-Cert Form

Version 2.0.5.0

Please enter all data in UPPERCASE.

Contact Information

CARB MFR Code:	<input type="text" value="MFR"/>
First Name:	<input type="text" value="JOHN"/>
Last Name:	<input type="text" value="SMITH"/>
Phone Number:	<input type="text" value="123-456-7890"/>
Email Address:	<input type="text" value="JS@MFR.COM"/>

Application

General Information

CARB MFR Code:	<input type="text" value="MFR"/>
Model Year:	<input type="text" value="2014"/>
Test Group Name:	<input type="text" value="EMFRT06.2ABC"/>
Application Type:	<u>NEW</u>

CSI 1

Durability Group Name:	<input type="text" value="EMFRGHHABC11"/>
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:

EPA TIER2 SFTP STANDARD

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:

DUAL-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:

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?

Select...

Is any model in the TG granted Non-PZEV Zero Evap?

NO

Does NMOG Cert include Non-PZEV Zero-Evap NMOG Credit?

Select...

Direct measurement of NMOG?

NO

NMOG+NOx fleet average credit for extended warranty?

NO

FTP NMOG/NMHC ratio:1.5HCHO/NMHC ratio:

RAF for NMOG:RAF for Methane:

FTP Exhaust Emissions:

FTP Exhaust Emissions Test Fuel:CNG - EPA CERT FUEL (40CFR86.113-94(e)(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	0.0700	0.021		1.34	7.0				
50K STD	0.100	0.14		3.4	15	0.02			
UL CERT	0.0880	0.044		1.70	7.2				
UL STD	0.125	0.20		4.2	18	0.02			

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)

Does this TG have a FFH?

Is the FFH operable above 40°F?

Does FTP CERT include FFH exhaust?

NO

NO

NOT APPLICABLE

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	0.0800	0.040		1.41					
50K STD	0.100	0.14		3.4	15	0.02			
UL CERT	0.0981	0.064		1.77					
UL STD	0.125	0.20		4.2	18	0.02			

FTP Exhaust Emissions:

FTP Exhaust Emissions Test Fuel:

GASOLINE - COLD CO HIGH OCTANE (40CFR 86.213-04)

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)

Does this TG have a FFH?

Is the FFH operable above 40°F?

Does FTP CERT include FFH

NO

NO

NOT APPLICABLE

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									5.5
50K STD									12.5
UL CERT									
UL STD									

CSI 2A Manufacturer Note for FTP Exhaust Emissions:

NMOG/NMHC RATIO FOR GASOLINE IS 1.04

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: EMFRR0200111

Certification option for evaporative emissions: LEV 2

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

Cert Test Fuel for Evap: CNG - CARB CERT FUEL (CA ExTP II A 100.3.5)

If Other, Specify:

Cert Test Fuel for ORVR: Select...

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:	0.300	0.720	0.000				
FEL:							

STD:	<input type="text" value="1.00"/>	<input type="text" value="1.25"/>	<input type="text" value="0.05"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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Evaporative Emissions:

Leak Family Identifier	Cert (inches)	Standard (inches)
Evap UL Years:	<input type="text" value="15"/>	Evap UL Miles: <input type="text" value="150000"/>
ORVR UL Years:	<input type="text"/>	ORVR UL Miles: <input type="text"/>
NMOG credit (g/mi) used for zero evap cert (rig test only):	<input type="text"/>	
Evap emissions (g/test) offset by NMOG credit for zero evap test (rig test only):	<input type="text"/>	
CSI 2B Manufacturer Note:	<div></div>	

Evaporative/Refueling Emissions:

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

Evap Refuel Family:

Certification option for evaporative emissions:

Evap Emission STD Vehicle Class:

Cert Test Fuel for Evap:

If Other, Specify:

Cert Test Fuel for ORVR:

If Other, Specify:

Modified Test Procedure for Evap Test?
(If yes, describe modification & approval ref # in Manufacturer Note)

Evap Pollutant Type:

	Evaporative Emissions	Zero-Fuel Evaporative Emissions	Canister Bleed	ORVR
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				(g/test)		(g/test)	(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:	0.300	0.800	0.000				
FEL:							
STD:	1.00	1.25	0.05				

Evaporative Emissions:

Leak Family Identifier	Cert (inches)	Standard (inches)
Evap UL Years:	15	Evap UL Miles: 150000
ORVR UL Years:		ORVR UL Miles:
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:		

CSI 3

Test Group Description:

Engine Set Number:	<u>1</u>	(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:	<u>4-STROKE SPARK IGNITION</u>	If Other:
Cylinder/Block Arrangement:	<u>V-SHAPED ENGINE</u>	If Other:
Number of Cylinders/Rotors:	<u>8</u>	
Engine Cooling Medium:	<u>LIQUID</u>	If Other:
Engine Displacement (L):		

6.2

Intake Valves per Cylinder:	Exhaust Valves per Cylinder:
2	2

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: FIXED 1 (ONLY ONE VALVE LIFT)

Exhaust Valve Lift: FIXED 1 (ONLY ONE VALVE LIFT)

Cylinder Deactivation: NO

Engine Special Features 1	Engine Special Features 2
NOT APPLICABLE	NOT APPLICABLE

TG Operating Fuel	TG Fuel Metering	TG Fuel Metering (If Other)	Rated Power (hp)	@RPM	Peak Torque (foot-pounds)	@RPM
COMPRESSED NATURAL GAS	SEQUENTIAL MULTIPORT FUEL INJECTION		280	5,000	300	4,000
GASOLINE	SEQUENTIAL MULTIPORT FUEL INJECTION		350	5,400	380	4,100

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: ECM

If Other:

ECS Configuration: TWC HO2S(2) SFI

Exhaust Gas Recirculation (EGR):	<u>NO</u>	
Cooled EGR:	<u>NOT APPLICABLE</u>	
EGR Type:	<u>NOT APPLICABLE</u>	If Other:
Air Aspiration Method in the TG:	<u>NATURALLY ASPIRATED</u>	If Other:
Number of Air Aspiration Devices:		
Air Aspiration Configuration:	<u>NONE</u>	
Charge Air Cooler Type:	<u>NOT APPLICABLE</u>	
Number of Charge Air Coolers:	<input type="text"/>	
Charge Air Cooler Configuration:	<u>NONE</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):	<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>NOT APPLICABLE</u>	
	<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>Select...</u>	
Total Number of Physical Substrates (bricks) in this container:	<input type="text" value="1"/>	
ATD Note:		

CATALYST COMPANY: ABC

Brick (Substrate) Information:

Size of Substrate (liters):

1.2

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):

400

Substrate Specific Active
Surface Area (m²/liter):

1,000

Precious Metal Loading Rate
(g/liter):

1.0

Precious Metal Composition:

1/0.5

Uniform Loading of Precious
Metals?

YES

Exhaust Feedback Sensor Information:

Sensor Type:

HEATED OXYGEN SENSOR

Other Sensor Information:

Sensor Type:

Select...

If Other, Specify:

Number of Sensors:

Exhaust Emission Data Vehicle (EDV) Information:

EDV Set Number:	<input type="text" value="1"/>	(Select a sequential number, starting with 1 for each Set Number.)
Test Group Name:	<input type="text" value="EMFRT06.2ABC"/>	
EDV Division Name:	<input type="text" value="SUBMFR"/>	
EDV Model Name:	<input type="text" value="MODEL1"/>	
EDV Test Vehicle ID:	<input type="text" value="001"/>	
EDV Test Data Type:	<input type="text" value="NEW TEST DATA"/>	
Original TG of EDV:	<input type="text"/>	
Original Evap Family of EDV:	<input type="text"/>	
EDV Engine Code:	<input type="text" value="MFR001"/>	
EDV Displacement (liters):	<input type="text" value="6.2"/>	
EDV Cylinder (Block) Arrangement:	<input type="text" value="V-SHAPED ENGINE"/>	
If Other, Specify:	<input type="text"/>	
EDV Number of Cylinders:	<input type="text" value="8"/>	
EDV Number of Intake Valves per Cylinder:	<input type="text" value="2"/>	
EDV Number of Exhaust Valves per Cylinder:	<input type="text" value="2"/>	
EDV Drive System:	<input type="text" value="REAR WHEEL DRIVE"/>	
EDV N/V Ratio:	<input type="text" value="25"/>	
EDV Curb Weight (lb):	<input type="text" value="6200"/>	
EDV LVW (lb):	<input type="text"/>	
EDV ALVW (lb):	<input type="text"/>	
EDV ETW (lb):	<input type="text" value="7500"/>	
EDV GVWR (lb):	<input type="text" value="9500"/>	
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="300"/>	@ RPM: <input type="text" value="5,000"/>

EDV Transmission Type:

AUTOMATIC (WITH LOCKUP)

EDV Number of Transmission Gears:

6

Alternate Shift:

Select...

Shift Indicator Lamp (SIL):

Select...

Transmission Shift Mode for Exhaust Emission Test:

NORMAL

If Other:

ATD Grouping Statistic of EDV:

0.89

Tire Size:

Front:

Rear:

LT265@70R18

Raw Test Results without DF:

Test Type:

FEDERAL TEST PROCEDURE (FTP)

Tested By:

MANUFACTURER

Test ID:

MFR001

Test Date:

3/1/2013

Exh Test Fuel:

CNG - EPA CERT FUEL (40CFR86.113-94(e)(1))

If Other, Specify:

Tested For:

CERTIFICATION

Target Coefficient A (lb_f):

60.5

Target Coefficient B (lb_f/mph):

0.4751

Target Coefficient C (lb_f/mph²):

0.04154

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	CH4 (g/mi)	N2O (g/mi)
0.2238	0.0388	0.0582	0.004	1.06	6.8		500	10	0.185	

Raw Test Results without DF:

Test Type:

COLD-CO (20F)

Tested By:

MANUFACTURER

Test ID:

MFR002

Test Date:

3/2/2013

Exh Test Fuel:

GASOLINE - COLD CO HIGH OCTANE (40CFR 86.213-04)

If Other, Specify:

Tested For:

CERTIFICATION

Target Coefficient A (lb_f):

66.1

Target Coefficient B (lb_f/mph):

0.475

Target Coefficient C (lb_f/mph²):

0.04933

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	CH4 (g/mi)	N2O (g/mi)
				5.26						

Raw Test Results without DF:

Test Type:

FEDERAL TEST PROCEDURE (FTP)

Tested By:

MANUFACTURER

Test ID:

MFR003

Test Date:

3/3/2013

Exh Test Fuel:

GASOLINE - TIER 2 UNLEADED (40CFR86.113-04(a)(1))

If Other, Specify:

Tested For:

CERTIFICATION

Target Coefficient A (lb_f):

60.5

Target Coefficient B (lb_f/mph):

0.4751

Target Coefficient C (lb_f/mph²):

0.04154

PHEV Operating Mode:

NOT APPLICABLE

Is this the official certification test?:

YES

THC	NMHC	NMOG	NOx	CO	HCHO	PM	CO ₂	MPG	CH4	N2O
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(g/mi)	(g/mi)	(g/mi)	(g/mi)	(g/mi)	(mg/mi)	(g/mi)	(g/mi)		(g/mi)	(g/mi)
0.07276	0.0656	0.0682	0.024	1.16			650	14	0.00716	

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:

Durability Group Method:

ASSIGNED 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:

NOT APPLICABLE (ASSIGNED DF/AGED PARTS)

Original Durability Group Name:

Aging Method:

Select...

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
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Deterioration Factors (DF):

DF Emissions Test Type: NOT APPLICABLE (ASSIGNED DF)

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		0.0118	0.016		0.24	0.2		0.24
UL DF		0.0299	0.040		0.61	0.4		0.61

CSI 5B Manufacturer Notes:

CSI 6A

Evaporative Family Description:

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

Evap Family: EMFRR0200111

ORVR Type: INTEGRATED

Fill Pipe Seal Mechanism: LIQUID TRAP If Other:

Fill Pipe Compliant:

Tank Material:

YES

OTHER

If Other, Specify:

STEEL FOR CNG TANK AND PLASTIC FOR GASOLINE TANK

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
<u>GASOLINE</u>	
<u>COMPRESSED NATURAL GAS</u>	

Canister Information:

Canister Type:

MAIN CANISTER

Number of Canisters:

1

Canister Configuration:

SINGLE

Total Butane Working Capacity (g):

200

Canister Total Bed Volume (cc):

3,300

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:

NOT APPLICABLE

Number Of Fuel Tanks:

	<input type="text" value="2"/>
40%-Fill Total Fuel Tank(s) Capacity (Gallons):	<input type="text" value="20"/>
100%-Fill Total Fuel Tank(s) Capacity (Gallons):	<input type="text" value="40"/>
Fuel Tank(s) Total Geometric Volume (Gallons):	<input type="text" value="41.2"/>
Fuel Tank Notes:	<div></div>
CSI 6A Manufacturer Note:	<div></div>

CSI 6B

Evaporative Refueling Emission Data Vehicle (EDV) Information:

Evap EDV Set Number:	<input type="text" value="1"/>	(Select a sequential number, starting with 1 for each Set Number.)
Evap Family Name:	<input type="text" value="EMFRR0200111"/>	
Evap Test Vehicle ID:	<input type="text" value="MFREVAP001"/>	
Evap Test Vehicle Model:	<input type="text" value="MODEL1"/>	
EDV Evap Type:	<input type="text" value="NEW TEST DATA"/>	
Original Evap Family of Evap EDV:	<input type="text"/>	
TG of Evap EDV:	<input type="text"/>	
Evap Test Vehicle Engine Code:	<input type="text" value="002"/>	
Displacement (liters):	<input type="text" value="6.2"/>	

Rated Power (hp):	300	@RPM: 5,000
Cylinder (Block) Arrangement:	<u>V-SHAPED ENGINE</u>	
If Other, Specify:		
Number of Cylinders:	8	
Transmission:	<u>AUTOMATIC (WITH LOCKUP)</u>	
If Other, Specify:		
Number of Transmission Gears:	6	
Target Coefficient A (lb _f):	60.1	
Target Coefficient B (lb _f /mph):	0.4232	
Target Coefficient C (lb _f /mph ²):	0.0487	
Tire Size	Front:	Rear: LT265/70R18
Curb Weight (lb):	7000	
LVW (lb):		
ALVW (lb):		
ETW (lb):	6000	
GVWR (lb):	9,500	
Fuel Tank Set Number (From CSI6A):	1	
Raw Evaporative Refueling Test Results:		
Evap Test Type:	<u>3-DAYS + HOT SOAK (WHOLE VEHICLE, G/TEST)</u>	
Evap Test Date:	4/1/2013	
Evap Test ID Number:	EVAP01	
Tested By:	<u>MANUFACTURER</u>	
Evap Test Fuel:	<u>CNG - CARB CERT FUEL (CA ExTP II A 100.3.5)</u>	
If Other, Specify:		
Official Cert Test:	<u>YES</u>	
Tested For:	<u>CERTIFICATION</u>	
R/L Test:		
Test Procedure:		

Evap Pollutant Type:

CARB

TOTAL HYDROCARBONS (THC)

	1 st Day	2 nd Day	3 rd Day	Hot Soak
Raw Evap Test for 3D+HS (g/test)	0.300	0.300	0.290	0.000
Raw Evap Test for 2D+HS (g/test)				
Raw Evap Test for Running Loss (g/mi):				
Raw Evap Test for ORVR (g/gallon):				
Raw Evap Test for Canister Bleed (g/test):				

Raw Evaporative Refueling Test Results:

Evap Test Type:

2-DAYS + HOT SOAK (WHOLE VEHICLE, G/TEST)

Evap Test Date:

4/2/2013

Evap Test ID Number:

EVAP02

Tested By:

MANUFACTURER

Evap Test Fuel:

CNG - CARB CERT FUEL (CA ExTP II A 100.3.5)

If Other, Specify:

Official Cert Test:

YES

Tested For:

CERTIFICATION

R/L Test:

Test Procedure:

CARB

Evap Pollutant Type:

TOTAL HYDROCARBONS (THC)

	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)	0.720	0.720		0.000
Raw Evap Test for Running Loss (g/mi):				
Raw Evap Test for ORVR (g/gallon):				

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

Raw Evaporative Refueling Test Results:

Evap Test Type: RUNNING LOSS (G/MI)

Evap Test Date:

Evap Test ID Number:

Tested By: MANUFACTURER

Evap Test Fuel: CNG - CARB CERT FUEL (CA ExTP II A 100.3.5)

If Other, Specify:

Official Cert Test: YES

Tested For: CERTIFICATION

R/L Test: POINT SOURCE

Test Procedure: CARB

Evap Pollutant Type: TOTAL HYDROCARBONS (THC)

	1 st Day	2 nd Day	3 rd Day	Hot Soak
Raw Evap Test for 3D+HS (g/test)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Raw Evap Test for 2D+HS (g/test)	<input type="text"/>	<input type="text"/>		<input type="text"/>

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

Raw Evap Test for ORVR (g/gallon):

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

Raw Evaporative Refueling Test Results:

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

Evap Test Date:

Evap Test ID Number:

Tested By: MANUFACTURER

Evap Test Fuel: GASOLINE - CA PHASE 2 (CA ExTP II A 100.3.1.1)

If Other, Specify:

Official Cert Test:

Tested For:

R/L Test:

Test Procedure:

Evap Pollutant Type:

YES

CERTIFICATION

CARB

TOTAL HYDROCARBONS (THC)

	1 st Day	2 nd Day	3 rd Day	Hot Soak
Raw Evap Test for 3D+HS (g/test)	0.300	0.300	0.300	0.000
Raw Evap Test for 2D+HS (g/test)				

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

Raw Evap Test for ORVR (g/gallon):

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

Raw Evaporative Refueling Test Results:

Evap Test Type:

Evap Test Date:

Evap Test ID Number:

Tested By:

Evap Test Fuel:

If Other, Specify:

2-DAYS + HOT SOAK (WHOLE VEHICLE, G/TEST)

4/6/2013

EVAP06

MANUFACTURER

GASOLINE - CA PHASE 2 (CA ExTP II A 100.3.1.1)

Official Cert Test:

Tested For:

R/L Test:

Test Procedure:

Evap Pollutant Type:

YES

CERTIFICATION

CARB

TOTAL HYDROCARBONS (THC)

	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)	0.800	0.800		0.000
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Raw Evap Test for Running Loss (g/mi):

Raw Evap Test for ORVR (g/gallon):

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

Raw Evaporative Refueling Test Results:

Evap Test Type: RUNNING LOSS (G/MI)

Evap Test Date: 4/5/2013

Evap Test ID Number: EVAP07

Tested By: MANUFACTURER

Evap Test Fuel: GASOLINE - CA PHASE 2 (CA ExTP II A 100.3.1.1)

If Other, Specify:

Official Cert Test: YES

Tested For: CERTIFICATION

R/L Test: POINT SOURCE

Test Procedure: CARB

Evap Pollutant Type: TOTAL HYDROCARBONS (THC)

	1 st Day	2 nd Day	3 rd Day	Hot Soak
Raw Evap Test for 3D+HS (g/test)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Raw Evap Test for 2D+HS (g/test)	<input type="text"/>	<input type="text"/>		<input type="text"/>

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

Raw Evap Test for ORVR (g/gallon):

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

Effective Leak Diameter Test Results:

CSI 6B Manufacturer Note:

CSI 6C

Evaporative DDV and Durability Test Information:

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

Evaporative Family:EMFRR0200111

Evap DF Type:ASSIGNED DF

DDV Evap Type:NOT APPLICABLE (ASSIGNED DF)

Evap Family of Evap DDV:

TG of Evap DDV:

Evap DDV Test Vehicle Model:

Displacement (liters):

Fuel Tank Set Number (From CSI6A):

Evaporative DDV Note:

Durability Information:

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:				

Vehicle Evap DF:				
Overall Certification Evap DF:	0.000	0.000	0.000	
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:	SUBMFR	
Carline Name:	MODEL1	
Badge Name:	MODEL1	
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):	1	
Engine Code:	014	
Engine Set Number (From CSI 3):	1	
Evap Family:	EMFRR0200111	
Leak Family Identifier: (From CSI 2B)		
Min Curb Weight (lbs):	6000	
Max Curb Weight (lbs):	6500	
Min ETW (lbs):	7000	
Max ETW (lbs):	7500	
Min GVWR (lbs):	9000	
Max GVWR (lbs):	9900	
Drive System:	<u>REAR WHEEL DRIVE</u>	

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: 100

Section 177 States Projected Sales: 200

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: 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: AUTOMATIC (WITH LOCKUP) If Other, Specify:

Transmission Gear #: 6

Model Type: MODEL1 AUTO

Axle Ratio	
3.8	
Evap Family Set Number (From CSI 6A)	Fuel Tank Set Number (From CSI 6A)
1	1
CSI 7 Manufacturer Note:	
CSI 10A	
CSI 10B (All fields in red are considered CBI)	