

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:	ABC
First Name:	JOHN
Last Name:	SMITH
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Application

General Information

CARB MFR Code:	ABC
Model Year:	2018
Test Group Name:	JABCV02.0123
Application Type:	<u>NEW</u>

CSI 1

Durability Group Name:	JABCHHGCCPHE
Running Change Reference Number/Name:	
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 SULEV</u>

EPA FTP Standard:

TIER2 BIN2

SFTP Standard:

LEV 2 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:

PASSENGER CAR

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:

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)	0.0084	0.009		0.37	0.3				
4K STD (50°F)	0.020	0.02		1.0	8				
50K CERT									
50K STD									
UL CERT	0.0062	0.013		0.57			0.010		
UL STD	0.010	0.02		1.0	4	0.01	0.03		

FTP Exhaust Emissions:

FTP Exhaust Emissions Test Fuel:GASOLINE - COLD CO LOW 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)

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									0.630
50K STD									10.0
UL CERT									
UL STD									

CSI 2A Manufacturer Note for FTP Exhaust Emissions:

SFTP Exhaust Emissions:

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

If Other, Specify:

Modified Test Procedure for SFTP Test? (If yes, describe modification

NO

& approval ref # in SFTP
Manufacturer Note)

SFTP Test Cycle	US06			SC03		Composite		
Air Pollutant	xxHC + NOx (g/mi)	CO (g/mi)	PM (mg/mi)	xxHC + NOx (g/mi)	CO (g/mi)	xxHC + NOx (g/mi)	CO (g/mi)	PM (mg/mi)
4K CERT:	0.040	1.92		0.011	0.92			
4K STD:	0.14	8.0		0.20	2.7			
UL CERT:								
UL BIN:								
UL STD:								

CSI 2A Manufacturer Note for
SFTP 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: JABCR0140E13

Certification option for evaporative emissions: LEV 3 OPTION 2

Evap Emission STD Vehicle Class: PASSENGER CAR

Cert Test Fuel for Evap: CA LEV3 E10 CERT GASOLINE (CA ExTP II A 100.3.1.2)

If Other, Specify:

Cert Test Fuel for ORVR: TIER3 E10 REGULAR GASOLINE

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:	0.129		0.01			0.012	0.065
FEL:							
STD:	0.300	0.300	0.05			0.020	0.20

Evaporative Emissions:

Leak Family Identifier	Cert (inches)	Standard (inches)
JABCR0140E13-LF1	0.016	0.02
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:		

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:	INLINE	If Other:
Number of Cylinders/Rotors:	4	
Engine Cooling Medium:	LIQUID	If Other:
Engine Displacement (L):	2.0	
Intake Valves per Cylinder:		Exhaust Valves per Cylinder:
2		2
Engine Valvetrain:	SINGLE OVERHEAD CAM	If Other:
Intake Variable Valve Timing (VVT):	FIXED 3 (MORE THAN TWO OR CONTINUOUS)	
Exhaust Variable Valve Timing	FIXED 3 (MORE THAN TWO OR CONTINUOUS)	

(VVT):

Intake Valve Lift:FIXED 3 (MORE THAN TWO OR CONTINUOUS)Exhaust Valve Lift: FIXED 3 (MORE THAN TWO OR CONTINUOUS)

Cylinder Deactivation:NO

Engine Special Features 1	Engine Special Features 2
<u>ENGINE STOP START WITH DISABLEMENT BUTTON/SWITCH (NON-LATCHING)</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>DIRECT FUEL INJECTION</u>		260	5,250	295	2,500

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:ECMIf Other:

ECS Configuration:DFI, TWC, HO2S, WR-HO2S

Exhaust Gas Recirculation (EGR):NO

Cooled EGR:NOT APPLICABLE

EGR Type:NOT APPLICABLEIf Other:

Air Aspiration Method in the TG:NATURALLY ASPIRATEDIf Other:

Number of Air Aspiration Devices:

Air Aspiration Configuration:NONE

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>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>AB CATALYST COMPANY</div>	

Brick (Substrate) Information:

Size of Substrate (liters):	<input type="text" value="2.4"/>	
Substrate Precious Metals:	<input type="text" value="PLATINUM/PALLADIUM"/>	If Other:
Substrate Material:	<input type="text" value="CERAMIC"/>	If Other:
Substrate Construction:	<input type="text" value="MONOLITH"/>	If Other:
Cell Geometry:	<input type="text" value="HONEYCOMB"/>	If Other:
Substrate Cell Density (# of cells / in ²):	<input type="text" value="300"/>	
Substrate Specific Active Surface Area (m ² /liter):	<input type="text" value="30,000"/>	
Precious Metal Loading Rate (g/liter):	<input type="text" value="2.0"/>	
Precious Metal Composition:	<input type="text" value="4:1"/>	
Uniform Loading of Precious Metals?	<input type="text" value="YES"/>	

Exhaust Feedback Sensor Information:

Sensor Type:	<input type="text" value="WIDE RANGE/LINEAR/AIR-FUEL RATIO HEATED OXYGEN SENSOR"/>
Sensor Type:	<input type="text" value="HEATED OXYGEN SENSOR"/>

Other Sensor Information:

Sensor Type:	<input type="text" value="KNOCK (DETONATION) SENSOR"/>
If Other, Specify:	
Number of Sensors:	<input type="text" value="1"/>

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

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="JABCV02.0123"/>	

EDV Division Name:	ABC COMPANY		
EDV Model Name:	G11		
EDV Test Vehicle ID:	GAS-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):	2.0		
EDV Cylinder (Block) Arrangement:	<u>INLINE</u>		
If Other, Specify:			
EDV Number of Cylinders:	4		
EDV Number of Intake Valves per Cylinder:	2		
EDV Number of Exhaust Valves per Cylinder:	2		
EDV Drive System:	<u>FRONT WHEEL DRIVE</u>		
EDV N/V Ratio:	32.2		
EDV Curb Weight (lb):	3428		
EDV LVW (lb):	3728		
EDV ALVW (lb):	3947		
EDV ETW (lb):	3750		
EDV GVWR (lb):	4465		
EDV ECS Set Number:	1	(enter the ECS set number from CSI 4)	
EDV Rated Power (hp):	260	@ RPM:	5,250
EDV Transmission Type:	<u>SEMI-AUTOMATIC</u>		
EDV Number of Transmission Gears:	6		
Alternate Shift:	<u>NO</u>		
Shift Indicator Lamp (SIL):	<u>NO</u>		

Transmission Shift Mode for Exhaust Emission Test:

NORMAL

If Other:

ATD Grouping Statistic of EDV:

6.7

Tire Size:

Front:

P225/50R14

Rear:

P225/50R14

Raw Test Results without DF:

Test Type:

FEDERAL TEST PROCEDURE (FTP)

Tested By:

MANUFACTURER

Test ID:

JABC10019014

Test Date:

1/4/2013

Exh Test Fuel:

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

If Other, Specify:

Tested For:

CERTIFICATION

Target Coefficient A (lb_f):

50.7

Target Coefficient B (lb_f/mph):

-0.306

Target Coefficient C (lb_f/mph²):

0.02195

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)
0.01152		0.00600	0.0054	0.3725			302.82	23.7	0.00139	0.01

Raw Test Results without DF:

Test Type:

COLD-CO (20F)

Tested By:

MANUFACTURER

Test ID:

JABC10019015

Test Date:

1/8/2013

Exh Test Fuel:

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

If Other, Specify:

Tested For:

CERTIFICATION

Target Coefficient A (lb_f): 56.3

Target Coefficient B (lb_f/mph): -0.312

Target Coefficient C (lb_f/mph²): 0.02439

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)
0.05906			0.0128	0.55			376.21	26.4	0.0068	

Raw Test Results without DF:

Test Type: HIGHWAY CYCLE (HWY)

Tested By: MANUFACTURER

Test ID: JABC10019017

Test Date: 1/18/2013

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

If Other, Specify:

Tested For: CERTIFICATION

Target Coefficient A (lb_f): 50.7

Target Coefficient B (lb_f/mph): -0.306

Target Coefficient C (lb_f/mph²): 0.02195

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)
0.00049			0.0015				187.12	46.1	0.00001	0.001

Raw Test Results without DF:

Test Type: SFTP-SC03

Tested By:

MANUFACTURER

Test ID:

JABC100109020

Test Date:

1/20/2013

Exh Test Fuel:

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

If Other, Specify:

Tested For:

CERTIFICATION

Target Coefficient A (lb_f):

50.7

Target Coefficient B (lb_f/mph):

-0.306

Target Coefficient C (lb_f/mph²):

0.02195

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)
	0.0084		0.0026	0.9200			403.58	20.9	0.00249	

Raw Test Results without DF:

Test Type:

SFTP-US06 (FULL)

Tested By:

MANUFACTURER

Test ID:

JABC100109022

Test Date:

1/22/2013

Exh Test Fuel:

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

If Other, Specify:

Tested For:

CERTIFICATION

Target Coefficient A (lb_f):

50.7

Target Coefficient B (lb_f/mph):

-0.307

Target Coefficient C (lb_f/mph²):

0.02185

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)
	0.0336		0.0064	1.9210			301.84	27.8	0.00352	

Raw Test Results without DF:

Test Type:50F

Tested By:MANUFACTURER

Test ID:JABC100109025

Test Date:2/1/2013

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

If Other, Specify:

Tested For:CERTIFICATION

Target Coefficient A (lb_f):50.7

Target Coefficient B (lb_f/mph):-0.306

Target Coefficient C (lb_f/mph²):0.02195

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)
	0.00840		0.0091	0.374			350.004		0.00451	

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:

01

Durability Group Method:

DF

DDV ECS Set Number (From CSI 4):

1

ATD Grouping Statistic:

6.7

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

Max ATD Grouping Statistic:

7.0

(Maximum ATD grouping statistic for the durability group of the DDV)

Min ATD Grouping Statistic:

6.0

(Minimum ATD grouping statistic for the durability group of the DDV)

Durability Data Type:

CARRYOVER DATA

Original Durability Group Name:

EABCGPGNN101

Aging Method:

BENCH AGING

Manufacturer ADP CARB Approval Ref #:

Durability Group Equivalency Factor:

1

ADP/Bench-aged Components:

CATALYST, OXYGEN SENSOR.

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

Raw Exhaust Emission Test Results:

Exhaust Test Date:

10/5/2012

Test Point Mile:

4,000

MFR Test ID Number:

EABC100209022

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)
	0.07134	0.0742	0.007	0.37			385.2	0.00148	0.01

Raw Exhaust Emission Test Results:

Exhaust Test Date: 11/5/2012

Test Point Mile: 120,000

MFR Test ID Number: EABC1002090230

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)
	0.0715	0.0744	0.015	0.57			403.1	0.00200	0.01

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								
UL DF		0.0002	0.008	0.008	0.20			

Deterioration Factors (DF):

DF Emissions Test Type: COLD-CO (20F)

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								0.08
UL DF	0.0002							

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:JABCR0140E13

ORVR Type:INTEGRATED

Fill Pipe Seal Mechanism:MECHANICALIf Other:

Fill Pipe Compliant:YES

Tank Material:HDPE (HIGH-DENSITY POLYETHYLENE)

If Other, Specify:

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:	<input type="text" value="1"/>
Canister Configuration:	<u>SINGLE</u>
Total Butane Working Capacity (g):	<input type="text" value="140"/>
Canister Total Bed Volume (cc):	<input type="text" value="1,900"/>
Canister Storage Medium:	<u>ACTIVATED CARBON</u>
Canister Notes:	<div></div>

Canister Information:

Canister Type:	<u>HYDROCARBON TRAP</u>
Number of Canisters:	<input type="text" value="1"/>
Canister Configuration:	<u>SINGLE</u>
Total Butane Working Capacity (g):	<input type="text" value="0.5"/>
Canister Total Bed Volume (cc):	<input type="text" value="10"/>
Canister Storage Medium:	<u>ACTIVATED CARBON</u>
Canister Notes:	<div></div>

Fuel Tank Information:

Fuel Tank Set Number:	<u>1</u>	(Select a sequential number, starting with 1 for each Set Number.)
Used for Production Vehicle:	<u>YES</u>	
Used for Evap EDV:	<u>YES</u>	
Used for Evap DDV:	<u>YES</u>	

Number Of Fuel Tanks:	<input type="text" value="1"/>
40%-Fill Total Fuel Tank(s) Capacity (Gallons):	<input type="text" value="6.6"/>
100%-Fill Total Fuel Tank(s) Capacity (Gallons):	<input type="text" value="16.5"/>
Fuel Tank(s) Total Geometric Volume (Gallons):	<input type="text" value="16.7"/>
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="JABCR0140E13"/>	
Evap Test Vehicle ID:	<input type="text" value="RE-0987"/>	
Evap Test Vehicle Model:	<input type="text" value="PC 345"/>	
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="01"/>	
Displacement (liters):	<input type="text" value="2.0"/>	

Rated Power (hp):	210	@RPM: 6,500
Cylinder (Block) Arrangement:	<u>INLINE</u>	
If Other, Specify:		
Number of Cylinders:	4	
Transmission:	<u>SEMI-AUTOMATIC</u>	
If Other, Specify:		
Number of Transmission Gears:	6	
Target Coefficient A (lb _f):	42.9	
Target Coefficient B (lb _f /mph):	-0.347	
Target Coefficient C (lb _f /mph ²):	0.2168	
Tire Size	Front: P225/50R14	Rear: P225/50R14
Curb Weight (lb):	3428	
LVW (lb):		
ALVW (lb):		
ETW (lb):	3750	
GVWR (lb):	4,465	
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:	2/1/2016	
Evap Test ID Number:	JABC19010089	
Tested By:	<u>MANUFACTURER</u>	
Evap Test Fuel:	<u>GASOLINE - CA PHASE 2 (CA ExTP II A 100.3.1.1)</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)	0.094	0.063	0.060	0.025
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:

RUNNING LOSS (G/MI)

Evap Test Date:

2/1/2016

Evap Test ID Number:

JABC19010090

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)				
Raw Evap Test for 2D+HS (g/test)				
Raw Evap Test for Running Loss (g/mi):	0.0132			
Raw Evap Test for ORVR (g/gallon):				

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

Raw Evaporative Refueling Test Results:

Evap Test Type: ON-BOARD REFUELING VAPOR RECOVERY (G/GALLON)

Evap Test Date:

Evap Test ID Number:

Tested By: MANUFACTURER

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

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)	<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:

Evap Test Type: EFFECTIVE LEAK DIAMETER TEST (INCHES)

Test ID #	Test Date	Alternate TP?	Vgas (m ³ /s)	Pin (kPa)	Patm (kPa)	T (K)	Leak Diameter (inches)
LDT001	4/25/2016	NO	0.00001	107.2	101.3	298.2	0.0160

CSI 6B Manufacturer Note:

CSI 6C

Evaporative DDV and Durability Test Information:

Evaporative DDV Set Number:	<input type="text" value="1"/>	(Select a sequential number, starting with 1 for each Set Number.)
Evaporative Family:	<input type="text" value="JABCR0140E13"/>	
Evap DF Type:	<input type="text" value="MANUFACTURER DF"/>	
DDV Evap Type:	<input type="text" value="CARRYOVER AN EXACT APPLICATION FROM A PREVIOUSLY CERTIFIED TEST GROUP (WHERE ALL INFORMATION ARE THE SAME, COMPLETE DATA SET MUST BE SUBMITTED)"/>	
Evap Family of Evap DDV:	<input type="text" value="EABCR0140E13"/>	
TG of Evap DDV:	<input type="text" value="EABCV02.0123"/>	
Evap DDV Test Vehicle Model:	<input type="text" value="MODEL 1"/>	
Displacement (liters):	<input type="text" value="2.0"/>	
Fuel Tank Set Number (From CSI6A):	<input type="text" value="1"/>	
Evaporative DDV Note:	<div></div>	

Durability Information:

Evaporative Durability Info Number:	<input type="text" value="1"/>	(Select a sequential number, starting with 1 for each Set Number.)
Durability Information Type:	<input type="text" value="BENCH INFORMATION"/>	
Manufacturer Durability Set (Bench/Vehicle/Rig Test) ID:	<input type="text" value="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:

EABC1903120

Test Point (miles):

4,000

Test Date:

10/1/2012

Evap Durability Test Fuel:

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

If Other, Specify:

	1 st Day	2 nd Day	3 rd Day	Hot Soak
Raw Evap Test for 3D+HS (g/test)	0.0196	0.0194	0.0180	0.0228
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

Manufacturer Durability Set (Bench/Vehicle/Rig Test) ID:

2

(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:

EABC1903121

Test Point (miles):

15,000

Test Date:

11/1/2012

Evap Durability Test Fuel:

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

If Other, Specify:

	1 st Day	2 nd Day	3 rd Day	Hot Soak
Raw Evap Test for 3D+HS (g/test)	0.0296	0.0294	0.0280	0.0228
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

Manufacturer Durability Set (Bench/Vehicle/Rig Test) ID:

3

(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:

RUNNING LOSS (G/MI)

Test ID Number:

EABC1903125

Test Point (miles):

4,000

Test Date:

10/13/2012

Evap Durability Test Fuel:

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

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):

0.0004

Raw Evap Test for ORVR (g/gallon):

Used For DF Calculation:

YES

Manufacturer Durability Set (Bench/Vehicle/Rig Test) ID:

4

(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:

RUNNING LOSS (G/MI)

Test ID Number:

EABC1903125

Test Point (miles):

15,000

Test Date:

11/13/2012

Evap Durability Test Fuel:

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

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):

0.0004

Raw Evap Test for ORVR (g/gallon):

Used For DF Calculation:

YES

Manufacturer Durability Set (Bench/Vehicle/Rig Test) ID:

5

(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:

ON-BOARD REFUELING VAPOR RECOVERY (G/GALLON)

Test ID Number:

EABC1903127

Test Point (miles):

4,000

Test Date:

10/12/2012

Evap Durability Test Fuel:

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

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):

0.02

Used For DF Calculation:

YES

Manufacturer Durability Set (Bench/Vehicle/Rig Test) ID:

6

(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:

ON-BOARD REFUELING VAPOR RECOVERY (G/GALLON)

Test ID Number:

EABC1903128

Test Point (miles):

12,000

Test Date:

11/12/2012

Evap Durability Test Fuel:

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

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):

0.02

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:	0.010		0.000	0.000
Vehicle Evap DF:				
Overall Certification Evap DF:	0.010		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:	ABC COMPANY	
Carline Name:	G11	
Badge Name:	G11	
Body Style:	SEDAN	
MFR Model Code:	01	
Trim Level (i.e., CE, LE, etc):	LE, LX	
Vehicle Class:	PASSENGER CAR	
ECS Set Number (From CSI 4):	1	
Engine Code:	01	
Engine Set Number (From CSI 3):	1	
Evap Family:	JABCR0140E13	
Leak Family Identifier: (From CSI 2B)	JABCR0140E13-LF1	
Min Curb Weight (lbs):	3420	

Max Curb Weight (lbs):	<input type="text" value="3450"/>
Min ETW (lbs):	<input type="text" value="3750"/>
Max ETW (lbs):	<input type="text" value="3750"/>
Min GVWR (lbs):	<input type="text" value="4460"/>
Max GVWR (lbs):	<input type="text" value="4480"/>
Drive System:	<u>FRONT 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>YES</u>
If Yes, Describe the Modes:	<div>NORMAIL, ECO, SPORT</div>

Manufacturer Shift Schedule No. (City, Hwy, US06, SC03):	
Label Type:	<u>50 STATES</u>
CA Projected Sales:	<div>1000</div>
Section 177 States Projected Sales:	<div>1050</div>
NMOG Credit Non PZEV Zero Evap:	<input type="text" value="0"/>
NMOG Credit DOR Vehicle:	<input type="text" value="0"/>

PZEV Allowances:	
Baseline PZEV Allowance:	<input type="text" value="0"/>
Zero Emissions VMT Allowance:	<input type="text" value="0"/>

Advanced ZEV Componentry Allowance:	<input type="text"/>
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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:

G11

Axle Ratio

1.6

Evap Family Set Number (From CSI 6A)

1

Fuel Tank Set Number (From CSI 6A)

1

CSI 7 Manufacturer Note:

CSI 10A

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