

Engines and Vehicles – Compliance Information System (EV-CIS)

New Production Volume Reporting Module and Heavy-Duty Engine GHG Phase II Compliance Updates

Informational Meeting
October 20, 2020



Agenda

- What's Happening?
- Proposed Timeline
- Production Volume (PV) Reporting Module
- Heavy-Duty (HD) Engine GHG Phase II Compliance
- PV Reporting Module Feature Highlights
- Demo of PV Reporting Module
- Deployment Information
- Resources
- Questions

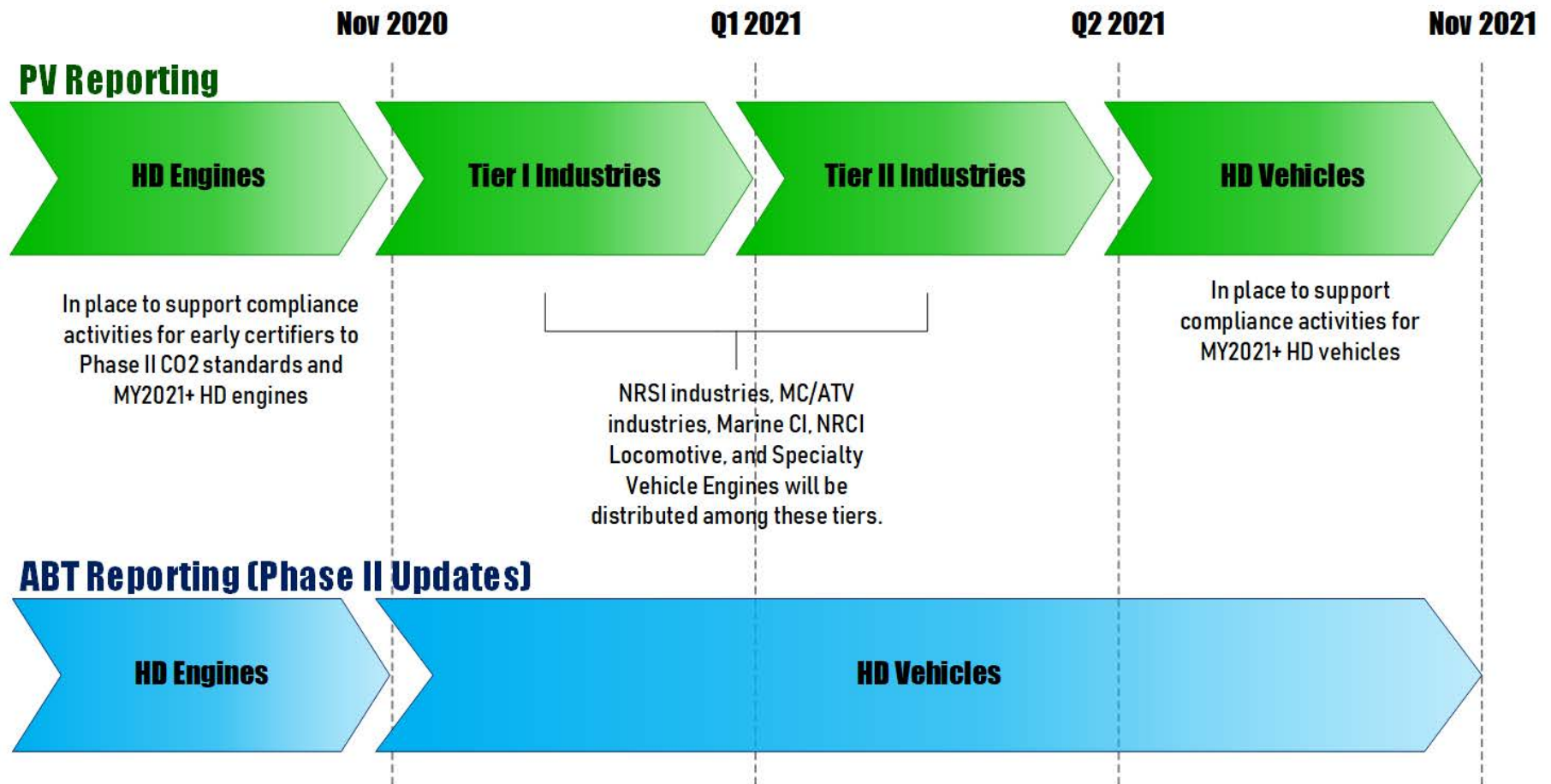


What's Happening?

- EPA is releasing a new Production Volume (PV) Reporting module intended to unify and streamline the reporting process across all industries.
 - First release will only support HD engines (Phases I and II).
 - Support for other industries will be phased in over time.
 - Long-term intent is to replace the many different collection points and processes for submitting production volume data with one consistent method.
- EPA is updating the existing Averaging, Banking, and Trading (ABT) Module of the HD Engines Compliance System to accommodate reporting for GHG Phase II.



Proposed Timeline





PV Reporting Module

- This new PV Reporting Module is part of EPA's ongoing effort to modernize EV-CIS and develop a comprehensive solution for compliance reporting.
- The goals of this module are to—
 - leverage as much existing data as possible to reduce the data entry burden for manufacturers and improve data integrity;
 - improve data quality through validation; and
 - improve rates of compliance with reporting requirements.



HD Engines GHG Phase II Compliance

Review of Certification Changes Impacting Compliance

- New emission standards for Model Year 2021+ gasoline and diesel engines
- Separation of parent rating from sub-family ratings and the ability to optionally certify below the CO₂ parent rating to different CO₂ FELs
- Accommodation of early certification using Phase II interim provisions of 1036.150(p)
- Starting MY2021, engine fuel maps need to be submitted by the end of the corresponding Model Year.
 - **Note:** This does not apply to MY2020 engines certifying to Phase II CO₂ standards.



HD Engine GHG Phase II Compliance

Overview of Changes for Production Volume

- New PV Reporting Module for submitting PV reports
- Ability to report by CO2 sub-family



HD Engines GHG Phase II Compliance

Overview of Changes for ABT

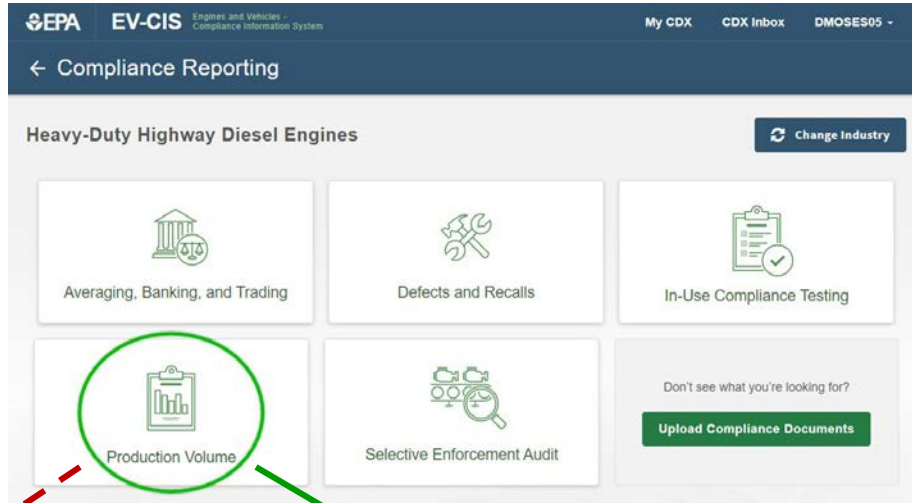
- Additional standards and phase-ins
- New/revised Phase I and II CO₂ and FC engine standards
- Ability for MY2020 families to certify early to Phase II CO₂ standards
- Ability for SI engines to optionally certify to CI GHG standards
- Ability to identify as a Small Manufacturer
- New multiplier for CH₄ credits starting MY2021
- Complete removal of “Advanced Technology” credits
- Terminology change from “Innovative Technology” to “Off-cycle technology”
- Revised CSV import template for HD Engine GHG ABT



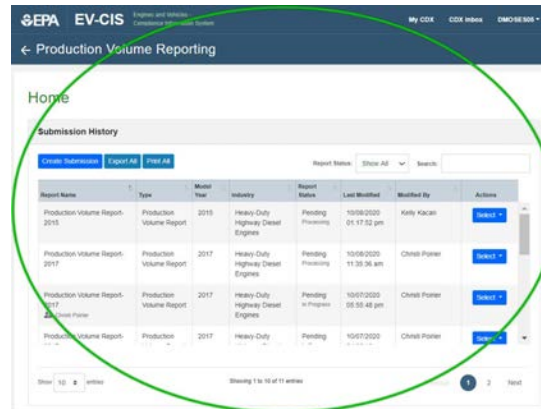
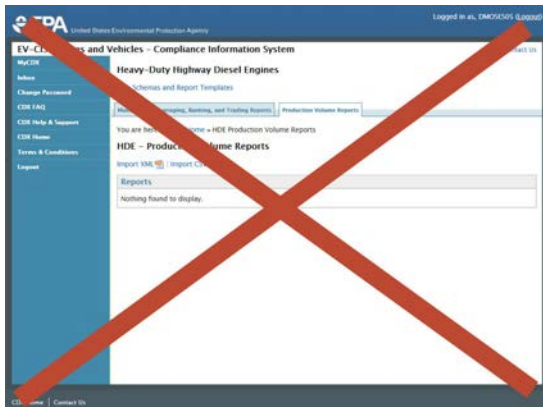
HD Engines GHG Phase II Compliance System Changes

- The PV Reporting Module of the HD Engines Compliance System will be decommissioned upon release of the new PV Reporting Module.
- The new PV Reporting Module must be used to—
 - submit new Phase I and Phase II PV Reports; and
 - submit corrections to Phase I PV Reports (as new reports).
- ***Note:*** *The ABT Reporting Module of the HD Engines Compliance System will still be used to—*
 - *submit Phase I and Phase II ABT Reports.*

HD Engines GHG Phase II Compliance System Changes



No navigation changes for end user to submit PV reports.



Users automatically directed to the new PV reporting module.



PV Reporting Module Feature Highlights

- **Submission Management**
 - Users can see what has been submitted by any user within their company and the status of those submissions.
 - Users can create, view, edit, and delete reports with a couple of clicks.
 - Locking protects data while it is being worked on.
- **Preloaded Certification Data**
 - Users do not need to enter family or model information.
 - Users do not need to worry about accidentally omitting families/models.
- **Real-time Validation**
 - No tracking down submission processing reports to determine whether your submission passed validation and was successful.

A large, faint watermark of the United States Environmental Protection Agency (EPA) logo is centered in the background. The logo features a stylized flower with three leaves and a circular head with a white center, all enclosed within a circular border containing the text "UNITED STATES ENVIRONMENTAL PROTECTION AGENCY".

Demonstration

Production Volume Reporting Module



Deployment Information

- The new PV Reporting Module and the updates to the HD Engines ABT Reporting Module to support HD Phase II are expected to be released to production on November 13, 2020, and available for use on November 16, 2020.
- **Notes:**
 - *These dates are subject to change.*
 - *Due to time limitations, there will be no testing period for manufacturers for this release.*



Resources

- This **Webinar Presentation** and draft versions of the **Data Requirements** and **Business Rules** for the PV Reporting Module will be available online via a new link added to—
 - <https://www.epa.gov/ve-certification/compliance-reporting-heavy-duty-commercial-trucks-and-buses-and-onroad-heavy-duty>
- A draft version of the revised **CSV Import Template for HD Engine GHG ABT** will be available online at:
 - <https://www.epa.gov/ve-certification/csv-import-template-heavy-duty-engine-ghg-averaging-banking-and-trading-abt>



General Resources

- EV-CIS Website
 - <https://www.epa.gov/vehicles-and-engines>
- EV-CIS Listserver
 - https://lists.epa.gov/read/all_forums/subscribe?name=verify
- Guidance Letters
 - <https://www.epa.gov/dis>



Questions



Appendix A – Production Volume Reporting Module Screenshots



Navigating to Production Volume Reporting Module



CDX Central Data Exchange

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Log in to CDX

User ID

Password

Show Password

[Forgot your Password?](#)
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Welcome

Welcome to the Environmental Protection Agency (EPA) Central Data Exchange (CDX) - the Agency's electronic reporting site. The Central Data Exchange concept has been defined as a central point which supplements EPA reporting systems by performing new and existing functions for receiving legally acceptable data in various formats, including consolidated and integrated data.

[Warning Notice and Privacy Policy](#)

**CDX Home –
Log In**



CDX Central Data Exchange

Contact Us
Logged in as DIAZNLEAH (Log out)

MyCDX Inbox My Profile Submission History Payment History E-Enterprise Portal

Services Manage		
Status	Program Service Name	Role
	EV-CIS: Engines and Vehicles - Compliance Information System	Company Approving Official (CAO)
	EV-CIS: Engines and Vehicles - Compliance Information System	CROMERR Signer
	EV-CIS: Engines and Vehicles - Compliance Information System	Submitter

CDX Service Availability

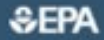
[See the status for all program services](#)

News and Updates

No news/updates.



**MyCDX –
Select Submitter Role**



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CDX Inbox

DIAZNLEAH -

EV-CIS Home

What would you like to do?

59:38

Click here to reset timer



Maintain
Manufacturer Profile



Submit
Certification Information



Request Certificate
or CSI Update



Submit Fuel Economy
Label Information



Submit
Compliance Information



Update Introduction
to Commerce Date



***EV-CIS Home –
Select Submit Compliance Information***



Select an industry to continue.

- All-Terrain Vehicles >
- Heavy-Duty Highway Class 2b/3 Vehicles >
- Heavy-Duty Highway Diesel Engines >
- Heavy-Duty Highway Evaporative Systems >
- Heavy-Duty Highway Gas Engines >
- Heavy-Duty Highway Tractors and Vocational Vehicles >



Submit Fuel Economy Label Information

Submit Compliance Information

Update Introduction to Commerce Date

https://testngn.epacdxnode.net/verifydev2/home/compHome.go?industry=HEAVY_DUTY_HIGHWAY_GAS_ENGINE

Submit Compliance Information – Select Industry



EV-CIS Engines and Vehicles - Compliance Information System

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← Compliance Reporting

Heavy-Duty Highway Gas Engines

Change Industry

59:14
Click here to reset timer

Averaging, Banking, and Trading

Defects and Recalls

Production Volume



Selective Enforcement Audit

Don't see what you're looking for?

Upload Compliance Documents

https://testngn.epacdxnode.net/verifydev2/E2PVHandoff?URL=/cdx-pvr-ui-dev2/#home?industry=HEAVY_DUTY_HIGHWAY_GAS_ENGINE&cprogram=PVR

***Compliance Reporting Home –
Select Production Volume***



Submitting Production Volume Reports



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Engines and Vehicles - Compliance Information System

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← Production Volume Reporting

Home

Submission History

Create Submission

Export All

Print All

Report Status: Show All

Search:

Report Name	Type	Model Year	Industry	Report Status	Last Modified	Modified By	Actions
Production Volume Report-2015	Production Volume Report	2015	Heavy-Duty Highway Diesel Engines	Pending Processing	10/08/2020 01:17:52 pm	Kelly Kacan	Select
Production Volume Report-2017	Production Volume Report	2017	Heavy-Duty Highway Diesel Engines	Pending Processing	10/08/2020 11:35:36 am	Christi Poirier	Select
Production Volume Report-2017 Christi Poirier	Production Volume Report	2017	Heavy-Duty Highway Diesel Engines	Pending In Progress	10/07/2020 05:55:48 pm	Christi Poirier	Select
Production Volume Report-	Production	2017	Heavy-Duty	Pending	10/07/2020	Christi Poirier	Select

Production Volume Reporting Home – Create Submission



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← Production Volume Reporting

Report Setup

EPA Manufacturer Code:

EPA

Manufacturer Name:

Environmental Protection Agency

Industry: *

Heavy-Duty Highway Gasoline Engines ▾

Report Type: *

Production Volume Report ▾

Model Year: *

2019

Manufacturer Report Name: *

2019 PV Test Report G2

Manufacturer Report ID:

2019PVTRG2



Production Volume Reporting – Report Setup (1 of 2) – Enter Report Metadata



Heavy-Duty Highway Gasoline Engines

Report Type: *

Production Volume Report

Model Year: *

2019

Manufacturer Report Name: *

2019 PV Test Report G2

Manufacturer Report ID:

2019PVTRG2

Comments (3985 characters available):

This is a test.

Exit

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Production Volume Reporting – Report Setup (2 of 2) – Click Next



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← Production Volume Reporting

Report Description



EPA Manufacturer Code:

EPA

EPA Report Identifier:

EPA-PV-2020-0000049

Report Type:

Production Volume Report

Manufacturer Name:

Environmental Protection Agency

Industry:

Heavy-Duty Highway Gasoline Engines

Report Name:

Production Volume Report_EPA_MY2020

Contact(s): *



Production Volume Reporting – Report Description (1 of 3)



Note: The Contact(s) list is managed using the Manufacturer Information module. Contacts are only available for selection if they are associated with the selected industry and the Production Volume compliance program. Use the Manufacturer Information module on the EV-CIS Home screen to manage this list.

EPA Manufacturer Code:

EPA

EPA Report Identifier:

EPA-PV-2020-0000049

Report Type:

Production Volume Report

Manufacturer Name:

Environmental Protection Agency

Industry:

Heavy-Duty Highway Gasoline Engines

Report Name:

Production Volume Report_EPA_MY2020

CR-17

Contact(s): *

Select Contact...

- Mrs Sara Zaremski (734-214-4362, zaremski.sara@epa.gov)
- Ms Sandra Somoza (734-214-4704, somoza.sandra@epa.gov)

Comments (49)

This is a test.

← Back

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Save

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Production Volume Reporting – Report Description (2 of 3) – Select Contact(s)



EPA Report Identifier:

EPA-PV-2020-0000047

Report Type:

Production Volume Report

Industry:

Report Name:

2019 PV Test Report G2

Contact(s): * Mrs Sara Zaremski (734-214-4362, zaremski.sara@epa.gov) x ▾

Comments (3985 characters available):

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← Production Volume Reporting

Report Details



EPA Manufacturer Code:

EPA

Manufacturer Name:

Environmental Protection Agency

EPA Report Identifier:

EPA-PV-2020-0000047

Industry:

Report Type:

Production Volume Report

Report Name:

2019 PV Test Report G2

List of Families:

Search for Families...

Hide Completed Records

Production Volume Reporting – Report Details (1 of 5)



List of Families:

Edit	Family Name	Status	Proj Sales (Federal)	Proj Sales (CA)	Proj Sales (Total U.S.)	Prod Vol (Federal)	Prod Vol (CA)	Prod Vol (Total U.S.)
	KEPAE1001LD3	Certified	10000	160000	170000	222	333	555
	KEPAE1001LD4	Void	10000	160000	170000	333	444	777
	KEPAE1001LD5	Revoked	10000	160000	170000	444	555	999
	KEPAE1001LD6	Certified	10000	160000	170000	555	777	1332
	KEPAE1001LD7	Certified	10000	160000	170000	(Model data incomplete)	(Model data incomplete)	(Model data incomplete)
	KEPAE1001LD8	Certified	10000	160000	170000	(Model data incomplete)	(Model data incomplete)	(Model data incomplete)

< < 1 > >

Display 10 per page

Displaying 1-6 of 6 total records



Production Volume Reporting – Report Details (2 of 5) – Edit Family



	KEPAE1001LD5	Revoked	10000	160000	170000	444	555	999
	KEPAE1001LD6	Certified	10000	160000	170000	555	777	1332
	KEPAE1001LD7	Certified	10000	160000	170000	(Model data incomplete)	(Model data incomplete)	(Model data incomplete)

List of Models for Family: KEPAE1001LD7

Search for Models...

Hide Completed Records

Engine Model	Engine Code	Sub-Family Name	Prod Vol (Federal) *	Prod Vol (CA) *	Prod Vol (Total U.S.)
ENGINEMODELNAME11	ENGINECODE11	N/A	<input type="text"/>	<input type="text"/>	0
ENGINEMODELNAME13	ENGINECODE13	N/A	<input type="text"/>	<input type="text"/>	0

Cancel Done

	KEPAE1001LD8	Certified	10000	160000	170000	(Model data incomplete)	(Model data incomplete)	(Model data incomplete)
--	--------------	-----------	-------	--------	--------	-------------------------	-------------------------	-------------------------

< < 1 > >

Display 10 per page

Production Volume Reporting – Report Details (3 of 5) – List of Models in Family



✓	KEPAE1001LD6	Certified	10000	160000	170000	555	777	1332
✎	KEPAE1001LD7	Certified	10000	160000	170000	845000	34000	879000
List of Models for Family: KEPAE1001LD7								
Search for Models... Hide Completed Records								
	Engine Model	Engine Code	Sub-Family Name	Prod Vol (Federal) *	Prod Vol (CA) *	Prod Vol (Total U.S.)		
	ENGINEMODELNAME11	ENGINECODE11	N/A	750000	25000	775000		
	ENGINEMODELNAME13	ENGINECODE13	N/A	95000	9000	104000		
							Cancel	Done
✓	KEPAE1001LD8	Certified	10000	160000	170000	21388	11499	32887

Done editing this model.



1

Display 10 per page

Displaying 1-6 of 6 total records

Production Volume Reporting – Report Details (4 of 5) – Enter Production Volumes for each Family and Click Done



	KEPAE1001LD7	Certified	10000	160000	170000	845000	34000	879000
	KEPAE1001LD8	Certified	10000	160000	170000	21388	11499	32887

< < 1 > >

Display per page

Displaying 1-6 of 6 total records

Comments (3985 characters available):

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Production Volume Reporting – Report Details (5 of 5) – Click Next



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← Production Volume Reporting

Review & Confirm



Hide All Sections

– Report Setup

Hide

Manufacturer Code:

EPA

EPA Report Identifier:

Manufacturer Name:

Environmental Protection Agency

Industry:

Production Volume Reporting – Review & Confirm (1 of 2)



- Report Description

Hide

Contacts:

- Mrs Sara Zaremski (734-214-4362, zaremski.sara@epa.gov)

- Report Details

Hide

List of Families:

Show/Hide	Family Name	Status	Proj Sales (Federal)	Proj Sales (CA)	Proj Sales (Total U.S.)	Prod Vol (Federal)	Prod Vol (CA)	Prod Vol (Total U.S.)			
+	KEPAE1001LD3	Certified	10000	1					(Model data incomplete)	(Model data incomplete)	(Model data incomplete)
+	KEPAE1001LD4	Void	10000	1					(Model data incomplete)	(Model data incomplete)	(Model data incomplete)
+	KEPAE1001LD5	Revoked	10000	1					(Model data incomplete)	(Model data incomplete)	(Model data incomplete)
+	KEPAE1001LD6	Certified	10000	1					(Model data incomplete)	(Model data incomplete)	(Model data incomplete)
+	KEPAE1001LD7	Certified	10000	1					(Model data incomplete)	(Model data incomplete)	(Model data incomplete)
+	KEPAE1001LD8	Certified	10000	1					(Model data incomplete)	(Model data incomplete)	(Model data incomplete)

Comments:

This is a test.

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Production Volume Reporting – Review & Confirm (2 of 2) – Click Submit



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← Production Volume Reporting

Complete

Your report has been submitted to EPA. If you have any questions, please contact EPA at 703-253-3259 or email evcis@epacdx.net. You can check the status of your submission on the Production Volume Reporting Home Page.

Report Setup Report Description Report Details Review & Confirm Complete

Submission Summary

Date:	10/07/2020	Process Code:	New Submission
Manufacturer Code:	EPA	Manufacturer Name:	Environmental Protection Agency
Industry:	Heavy-Duty Highway Gasoline Engines	Report Type:	Production Volume Report
Model Year:	2019	Report ID:	EPA-PV-2020-0000035
Transaction ID:	_8f6cb288-4593-4903-b5bb-7396274fd37		

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Production Volume Reporting – Complete