



Verify: Engine and Vehicle Compliance System

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[MyCDX](#) > Non-Road Compression Ignition

Non-Road Compression Ignition

- Certification Information Submission

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Certification Information Submission

* = required field
+ = CTRL-click to select multiple values

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- General Information
- Emission Control System
- Models and Parts
- Adjustment Factors
- Durability Information
- Test Information

General Information

Manufacturer Code: EPA

Process Code*: Model Year*:

EPA Engine Family Name*: Manufacturer Engine Family Name:

Alternate Trade Names (on Label)	+ Add	Delete
<input type="text"/>		

Manufacturer Type*: List of engine families that are being modified, if any (500 characters available)

Running Change Type+:

2 = Part numbers (Change, delete, or add additional, component part numbers. DE 142)

3 = Fuel rates (Revise fuel rates of a model. DE 122, 123)

4 = Torques/ Powers/ Speeds (Revise torques or powers or speeds in list of models. DE 112-121)

5 = AECDS (Revise AECDS. DE 94-99)

6 = Test Data (Add, delete, change test results. DE147-217)

7 = IRAFs (Change or delete Infrequent Regeneration Adjustment Factor. DE 191-195)

8 = Delete ratings (Delete models/codes from list of models. DE 103, etc.)

9 = Other

Field Edits/Changes/Corrections (600 characters available)

Carryover from previous Engine Family?: Yes No Carryover (Original) Engine Family Name:

Is this Engine Family used in mobile and/or stationary applications?: Applicable Regulation*:

Applicable Tier*: Offset Engines*:

Applicable Compliance Standard*: Are you combining engines from more than one power category into the same engine family?: Yes No

Power Category*: Does this Engine Family include engines for electrical generator sets?: Yes No

If used for a Stationary Fire Pump, is Rated Speed > 2650 RPM?: Yes No

Limited Application*: Limited Application Enforcement Description (4000 characters available)

ABT and FEL Information

Is this Engine Family participating in the Averaging, Banking, and Trading Program?: Yes No Have alternate Family Emission Limit Caps been used?: Yes No

FEL Name	FEL Value (in g/kW-hr)	+ Add	Delete
<input type="text" value="Select"/>	<input type="text"/>		

Not to Exceed (NTE) Compliance Information

Does this Engine Family meet the Not to Exceed (NTE) Requirements of the EPA Regulations?: Ambient Operating Region*:

Description of Testing and Approach used to determine that NTE Requirements were met (4000 characters available)*

Are you requesting approval for an NTE Deficiency?: Yes No Are you petitioning EPA to limit NTE testing in a single defined region of speeds and loads?: Yes No

NTE Deficiency #1

+ Add

NTE Deficiency Name*:

NTE Deficiency Description (4000 characters available)*

Delete

Engine Description

Engine Combustion Cycle*: Engine Combustion Cycle Description, if "Other" (4000 characters available)

Fuel#1

+ Add

Fuel: Fuel, if Other:

Fuel Metering System*: Fuel Metering System Description, if "Other" (4000 characters available)

Delete

Fuel Options*: Engine Description Comments (4000 characters available)

Useful Life

Useful Life of Engine Family*: Useful Life, if "Alternate" (500 characters available)

Alternate Useful Life Approval Date (MM/DD/YYYY):

Production Information

Total Projected Sales*: Projected Sales (FED)*:

Projected Sales (CA)*:

Production Start Date (MM/DD/YYYY)*:

Production End Date (MM/DD/YYYY)*:

Manufacturing Plants building these Engines*+: Agent (s) for Service in U.S.*+:

U.S. Port of Import Name	City	State	+ Add	Delete
<input type="text"/>	<input type="text"/>	<input type="text" value="Select"/>		

Manufacturer Comments about Engine Family (4000 characters available)

Save Form

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Non-ATD Devices

Are any Non-After Treatment Devices used on this Engine Family? : Yes No

Non-ATD Type (s)*+ :

- T = Internal EGR
- E = EGR - Electronic/Electric
- V = EGR - Vacuum
- C = Cooled EGR - Electronic/Electric
- U = Cooled EGR - Vacuum
- X = Engine Design Modification
- Y = Electronic Control
- S = Smoke Puff Limiter
- A = Secondary Air Injection
- P = Pulsed Secondary Air Injection
- O = Other

Additional Comments about these Non-ATD Device (s) (4000 characters available)

ATD Devices

Are any After Treatment Devices used on this Engine Family? : Yes No

Will this Engine Family be produced using Delegated Assembly? : Yes No

Will the cost of the ATD components be included with the cost of the engine? : Yes No

List of Components covered under Delegated Assembly exemption (4000 characters remaining)

Are Infrequent Regeneration Adjustment Factors being used? :

ATD Device #1

+ Add

ATD Type* :

ATD Description if "Other" (4000 characters available)

DPF Flow Type :

DPF Flow Type Description if "Other" (4000 characters available)

Is DPF Catalyzed? : Yes No

Cell Density (cells/square cm) :

Active Metals

Active Metal Type*	Active Metal, if "Other"	Active Metal Loading Rate (in g/liter)	+ Add
<input type="text" value="Select"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="Delete"/>

Substrate Material if "Other" (4000 characters available)

Substrate Material* :

Is there a Thermal Management System for this ATD? : Yes No

Thermal Management System :

Thermal Management System Description if "Other" (4000 characters available)

Substrate Construction* :

Substrate Construction if "Other" (4000 characters available)

Substrate Volume(in liters)* :

Additional Comments about this ATD Device (4000 characters available)

Auxilliary Emission Control Devices

Are any Auxilliary Emission Control Devices used on this Engine Family? : Yes No

AECD #1

+ Add

AECD Name* :

AECD Purpose (4000 characters remaining)* :

AECD Sensed Parameters (500 characters available)* :

AECD Controlled Parameters (500 characters available)* :

Will activation of this AECD reduce the effectiveness of the ECS? : Yes No

Additional Comments about this AECD (4000 characters available)

Adjustable Parameters

Does this Engine Family have any Adjustable Parameters? : Yes No

Adjustable Parameter #1

+ Add

Adjustable Parameter Name* :

Adjustable Parameter Description (4000 characters available)*

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Upload Engine Models and Parts from CSV File

NOTE: Your Engine Family Name, Model Year, and Production Start and End Dates must be entered before uploading Engine Models from a CSV file. Engine Models uploaded from this file will replace any engine models you may have already entered on the screen.

Number of Models: 1

Engine Model #1

[+ Add](#)

Engine Model* :

Engine Code* :

Engine Block Arrangement* :

Engine Block Arrangement if "Other" (4000 characters available)

Number of Cylinders*	Bore (mm)*	Stroke (mm)*	Rated Power (kW)	Rated Speed (RPM)*
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Maximum Torque (N*m)*	Speed at Maximum Torque (RPM)*	Maximum Test Speed (RPM)*	Torque at Maximum Test Speed (N*m)	Maximum Engine Power (kW)
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Intermediate Test Speed (RPM)*	Lower Tolerance of Maximum Power (%)	Upper Tolerance of Maximum Power (%)	Fuel Rate at Maximum Torque (mm ³ /stroke)*	Fuel Rate at Rated Speed (mm ³ /stroke)*
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Displacement per Cylinder (liters)* :

Total Displacement (liters)* :

Method of Aspiration* :

Method of Aspiration Description, if "Other" (4000 characters available)

Number of Air Aspiration Devices : Air Aspiration Device Configuration :

Turbochargers

Turbocharger Type	Turbocharger Type, if "Other"	+ Add
<input type="text" value="Select"/>	<input type="text"/>	Delete

Charge Air Cooler Type :

Variable Valve Timing?* : Yes No

Variable Valve Timing System Description (4000 characters available)

Variable Valve Lift?* : Yes No

Variable Valve Lift System Description (4000 characters available)

Number of Inlet Valves Per Cylinder* :

Number of Exhaust Valves Per Cylinder* :

Production and Sales Information

Sales Area* :

Model Production Start Date(MM/DD/YYYY)*:

Model Production End Date(MM/DD/YYYY)*:

Engine Parts

Part #1

[+ Add](#)

Part Name* :

Part Name if Other* :

Part Number* :

Part Quantity* :

Part Usage Start Date(MM/DD/YYYY)*:

Part Usage End Date(MM/DD/YYYY)*:

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General Information

Emission Control System

Models and Parts

Adjustment Factors

Durability Information

Test Information

Number Of IRAFs: 1

Infrequent Regeneration Adjustment Factor Info #1

[+ Add](#)

Infrequent Regeneration Adjustment Factor Device :

Select

Infrequent Regeneration Adjustment Factor Device If "Other" (100 characters available)

Test Cycle Type* : Select

Engine Model(s) and Code(s)+ :

IRAF Mode Information Set #1

[+ Add](#)

Mode Identifier* :

Select

Frequency of the regeneration event in terms of the fraction of tests during which the regeneration occurs for this mode e.g.0.03* :

Pollutant Name*	EFL Value(in g/kW-hr)*	EFH Value(in g/kW-hr)*	+ Add
Select			Delete

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DF Determination Method* :

Durability Engines

Engine Model*	Engine Code*	Engine ID*	Engine Service Accumulation in hours*	+ Add
				Delete

Deterioration Factors

Pollutant Name*	Deterioration Factor*	Deterioration Factor Type*	+ Add
<input type="text" value="Select"/>		<input type="text" value="Select"/>	Delete

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Carryover Test Information, if used

Carryover Test Dataset Number*	+ Add
<input type="text"/>	<input type="button" value="Delete"/>

Manufacture Test Information, if used

Test Dataset #1

+ Add

Manufacturer's Assigned Test Dataset Number:	<input type="text"/>	Test Laboratory Code*:	<input type="text"/>
Engine ID Number*:	<input type="text"/>	Engine Model, Code, and Displacement*:	<input type="text"/>
Number of hours engine was run prior to test*:	<input type="text"/>	Crankcase Emission Discharge Path*:	<input type="text" value="Select"/>
Test Date (MM/DD/YYYY)*:	<input type="text"/>		

Test Fuel*	Test Fuel, if "Other"	+ Add
<input type="text" value="Select"/>	<input type="text"/>	<input type="button" value="Delete"/>

Special Test Procedure Description (4000 characters available)

Special Test Procedure Used?*: Yes No

Special Test Procedure Approval Date (MM/DD/YYYY):

Engine Operation*: Steady-State Test Type*:

Modal Testing Type*: Transient Test Required?*: Yes No

Devices Regenerated during Steady-State Test (Ramped-Modal only)*:

Devices Regenerated during Hot Start Transient Test*:

Smoke Type Test Results(in %)

Smoke Type*	Smoke Type Test Result (Initial)*	+ Add
<input type="text" value="Select"/>	<input type="text"/>	<input type="button" value="Delete"/>

Steady-State Ramped Modal Test Results

Pollutant Name*	Steady State Pollutant Test Result (Initial)(in g/hr)	+ Add
<input type="text" value="Select"/>	<input type="text"/>	<input type="button" value="Delete"/>

Steady State Discrete Modal Test Results

Steady State Discrete Modal Test Result #1

+ Add

Mode Identifier*: Mode Power (in kW)*:

Devices Regenerated during this Mode*+:

Pollutant Name*	Pollutant Mode Test Result (Initial)(in g/hr)	+ Add
<input type="text" value="Select"/>	<input type="text"/>	<input type="button" value="Delete"/>

Transient Test Results

Pollutant Name*	Transient Hot Start Pollutant Test Result (in g/kW-hr)	Transient Cold Start Pollutant Test Result (in g/kW-hr)	+ Add
<input type="text" value="Select"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="Delete"/>

Test Comments (4000 characters available)

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Open Existing Certification Information Dataset File

You can open an existing dataset to view or continue editing it. Just locate and upload the dataset XML file from where it was previously saved on your (manufacturer) workstation.

Local File::

Browse...

Open Existing Dataset

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Upload Batch Certification Information Dataset File

You can open an existing dataset to view or continue editing it. Just locate and upload the dataset XML file from where it was previously saved on your (manufacturer) workstation.

Local File::

Browse...

Submit Batch Dataset

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Note:

1. Required fields are marked with * and cannot be left blank.
2. If you would like to upload a file you saved before, please click the next "Browser" button

to look for the file, then click

to upload the file and populate the form.

3. You can save an unfinished form dataset or save as a copy by clicking "Save Form" button at the bottom of the form.

Certification Request

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Manufacturer Code* :

EPA

Manufacturer Name* :

General Information

Process Code* :

Engine Family* :

Model Year* :

Test Dataset Number that will be the basis for the Certification of Conformity* :

Introduction into Commerce Date(MM/DD/YYYY)*:

Manufacturer Compliance Statements

Do all the engines meet all the applicable standards? :

Yes No

Does this engine family comply with the applicable requirements?* :

Yes No

Have all the requirements for Delegated Assembly of 1068.260 been met?* :

Yes No

If this is a California-only engine family, have you received the applicable CARB Executive Order? :

Yes No

If yes, what is the CARB Executive Order Number for this Engine Family? :

Has the full amount of the applicable certification fee been paid for this Engine Family?* :

Yes No

Are the engines covered by this Engine Family free of defeat devices and strategies?* :

Yes No

Will there be a negative balance of emission credits for any averaging set at the end of the year?* :

Yes No

Will you be providing EPA any hardware, software or tools needed to read, record and interpret all information broadcast by an engine's onboard computers and electronic control units?* :

Yes No

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