

On-Highway Motorcycle Certificate Review Sheet - March 7, 2005

Certificate will be issued to: _____ Model Year _____
(Must be a U.S. manufacturer or U.S. importer/distributor)

Engine Family _____ Evaporative Family _____

California Only CARB Executive Order Number _____

Small Volume: <10,000 Sales;

Small Volume: <3,000 Sales and < 500 Worldwide Employees of the OEM & their U.S. Importers)

Motorcycle Class: I-A (0-49cc) I-B (50-169cc) II (170-279cc) III (280cc & up)

Motorcycles are produced by _____ (Identify the OEM)

Motorcycles are produced at _____ (Location of OEM Plant(s))

Models to be listed on Certificate: _____

Comments: _____

- 1. New Mfr/Importers only: Send letter to EPA describing your company's plans; request an initial EPA guidance package. Is this the first Certificate issued to your company?** Yes; No.
- 2. New manufacturers or new U.S. importers of foreign motorcycles must obtain an EPA assigned manufacturer (or importer) codes; See www.epa.gov/otaq/cfeis.htm.**
- 3. Group vehicles into engine families; ref 40CFR 86.420-78, EPA guidance letters CCD-04-01, Feb. 11, 2004, and VPCD-96-12, Dec. 3, 1996; available at <http://epa.gov/otaq/cert/dearmfr/dearmfr.htm>.**
- 4. Select test vehicle(s); ref 40 CFR 86.418 to 86.423. Number of test vehicles for this family** _____
- 5. Locate a test laboratory capable of performing EPA tests; ref. www.epa.gov/otaq/consumer/lablist.pdf .**
Laboratory where exhaust tests were performed: _____
Laboratory where permeation tests were performed (if applicable): _____
- 6. Perform mileage accumulation and exhaust testing. Ref. 40 CFR 86.426-78 to 86.430-78.**
 - Full Mileage accumulation (1/2 of useful life mileage for the class of motorcycle)
 - Requested EPA approval to accumulate 5000 total miles (total annual sales < 300 units)
 - Performed 4 exhaust tests or more; ref. 40 CFR 86.427-78. .
 - 0-50cc: Modified test cycle used. Ungoverned Top speed _____ (must be <36.5mph)
- 7. Perform evaporative and/or permeation tests; Ref. 40 CFR 86.410(g) and 40 CFR 1051, Subpart F.**
 - Yes; No: Performed evaporative testing as required by California regulations
 - Yes; No: Performed EPA permeation tests of fuel tank and fuel hoses; ref 40 CFR 1051.501 & 515.
- 8. EPA Confirmatory Testing: If selected for confirmatory testing, must provide vehicle to EPA's Ann Arbor, Michigan laboratory or another EPA-designated laboratory; ref 40 CFR 86.434-78.**
 - Tested at EPA laboratory or an EPA-designated laboratory; Waived by EPA
- 9. Submit fee payment & fee filing form; See CCD-04-14, July 2, 2004; ref www.epa.gov/otaq/fee.htm.**
 - Full Fee Paid: Amount Paid _____;

9. (continued) **Reduced Fee: Amount Paid** _____ ;
Number of vehicles paid for _____ ; Total retail value of all vehicles paid for \$ _____
 Copy of fee filing form & basis for reduced fees in application. (Do not send a copy of check.)

10. **Application for certification:** Submit the completed application to EPA, preferably on CD; ref 40 CFR 86.416-80, 86.438-78, and 86.439-78:
 Application follows EPA's recommended application format; ref. EPA 3/9/05 workshop
 Application includes electronic & paper copy of CSI (Certification Summary Information)

The application contains:

- A description of the manufacturing and assembly process;
- A copy of the agreement between the manufacturer and importer (imported motorcycles only);
- Description of vehicles covered by the certificate (vehicle, engine, transmission parameters, etc);
- Name and address of the original vehicle manufacturer;
- Name and address of the original engine manufacturer;
- A detailed description of catalytic converter(s) and emission-related components;
- A detailed description of carburetor or fuel injection (manufacturer, model number, etc);
- Part numbers of carburetor/fuel injection, catalysts, and emission-related components for all Federal and California models covered by the certificate;
- Test data including description of test vehicle(s), emission data & maintenance log;
- Email & paper copy of EPA excel files: Engine Family & Test Information Sheets; (not required if CSI provided to EPA)
- A statement of compliance as required by 40 CFR 86.437-78(a)(1) or (b)(ii); and
- A statement that production motorcycles are identical in all material respects to the motorcycles tested and described in the application for certification.

Emission Control Information Label; ref. 40 CFR 86.413-78:

- Actual label or a copy of the actual label is included in the application;
- Location where the label will be affixed to motorcycle is included in the application;
- Label contains company name & trademark of the certificate holder;
- Label contains company name of OEM (EPA recommendation for imported motorcycles)
- Label is permanent (can't be peeled off);
- Label contains HC+NOx FELs (required if engine family is certified to FELs); and
- Label is affixed to motorcycle during production (before going thru U.S. Customs for imports)

Warranty, maintenance instructions, and owner's manuals:

- Actual warranty booklet & owners manual provided to EPA; (40 CFR 86.411; 86.412); or
- Warranty text & maintenance provided (warranty & owners manuals will be provided later)
- Emissions warranty coverage meets minimum Clean Air Act Requirements as follows:
 - 5 years/ 6,000 km (Class I-A) 5 years/ 18,000 km (Class II)
 - 5 years/ 12,000 km (Class I-B) 5 years/ 30,000 km (Class III)

11. **Agreement between importer and a foreign motorcycle manufacturer:** The application shall include a letter from the OEM to EPA (on the OEM's letterhead & signed by a vice president or higher) authorizing the applicant to import and distribute motorcycles in the U.S. The agreement shall include the following:

Complete identification of the OEM. Include all company names, aliases, subsidiary companies, parent companies and subcontractors associated with the manufacturer of motorcycles. Provide a brief history of the OEM, number of years the OEM has been in business, the official OEM website; the number and location of all manufacturing plants, the number of employees. Provide the name address, telephone number and email address of key personnel including plant manager(s). Provide a complete list of motorcycles, ATVs, non-road engines, on-road engines and other products manufactured by the OEM (identified by make, model and engine).

Identify all entities authorized to import your motorcycles/engines into the U.S.

Provide the number of motorcycles and engines (identified by make, model, engine size, engine type) which are 1) produced annually by OEM; and 2) imported into the U.S. (including models imported by other entities).

Authorize the applicant to import your products. Completely identify applicant (importer who will be issued a certificate). Include all company names, aliases, subsidiary companies, parent companies and subcontractors associated with the importation of motorcycles. Provide a brief history of the Importer, number of years the Importer has been in business, the official Importer website; the number and location of all Importer offices and employees. Provide the name, address, telephone number & email address of key Importer personnel.

Identify the Importer/Certificate Holder's obligations to the OEM.

Identify the OEM's obligations to the Importer/Certificate Holder.

Identify the models which the applicant is authorized to import: Provide a complete list of motorcycle models, engines and other emission-regulated products authorized to be imported by the Importer (identified by nameplate, make, model, engine size, engine type and the quantity imported). Include vehicles and engines in this and other engine families intended for certification during the model year. Indicate whether such vehicles and engines will comply with U.S. emission requirements when they leave the OEM factory.

Assure that "Service of Process" is provided. Provide the name and contact information of a cognizant representative of the manufacturer (normally the importer/certificate holder) who EPA can contact for emission compliance, warranty and other issues. Identify who will be responsible for supplying parts, service, and warranty service to customers. Outline who will be responsible to establish a dealer network, provide service information and provide training to dealer service personnel. Describe how customer feedback will be provided from customers and dealers to the importer and to the manufacturer. Describe how the certificate holder (the importer) will be made aware of all emission-related running changes made to production motorcycles & engines.

EPA only: Agreement was reviewed by: _____

12. On-Highway Motorcycle Emission Standards; ref. 40 CFR 86.410-90, 86.410-2006:

Tier 0: 5 g/km HC, 12 g/km CO [1978-2005 model year vehicles]

Tier 1 Class I-A, Class I-B and Class II [2006 and later model year vehicles]:

1.0 g/km HC, 12.0 g/km CO; or

1.4 g/km HC+NOx or a FEL of _____ g/km HC+NOx; 12.0 g/km CO;

Note: Family Emission Limit (FEL) must be ≤ 5.0 g/km HC+NOx

Tier 1 Class III [2006-2009; or 2008⁺ for small volume (<3000 sales and <500 employees)]:

1.4 g/km HC+NOx or a FEL of _____ g/km HC+NOx; 12.0 g/km CO

Note: Family Emission Limit (FEL) must be ≤ 5.0 g/km HC+NOx

Tier 2: [Class III only; 2010⁺ model year vehicles]:

0.8 g/km HC+NOx or a FEL of _____ g/km HC+NOx; 12.0 g/km CO

Notes: Tier 2 is only applicable to large volume (≥ 3000 sales and ≥ 500 employees).

Family Emission Limit (FEL) must be ≤ 2.5 g/km HC+NOx.

Test vehicle(s) passed all applicable exhaust emission standards

Small Volume Hardship Provisions approved (1 year grace period); ref 86.446-2006, 447-2006

Comments: _____

13. Permeation Standards: [2008⁺ or 2010⁺ for small volume (<3000 sales and <500 employees)]:

Tested to demonstrate compliance with Class I-A, I-B, II, III standards, ref. 86.1051.245:

Fuel Tank: 1.5 g/m²/day or _____ g/m²/day FEL; and

Fuel Hoses: 15 g/m²/day

Test vehicle(s) passed all applicable emission standards

Certified by Design; ref. 40 CFR 86.1051.245(e):

Fuel Tank: Metal Tank with low permeability seals and gaskets; or

Metal Tank with gasket exposed surface area of 1000 mm² or less

Fuel Hoses: All hoses meet Category 1 permeation specifications in SAE J2260

All hoses meet R11-A or R12 permeation specifications in SAE J30

Small Volume Hardship Provisions approved (1 year grace period); ref 86.446, 86.447

Comments: _____

14. Additional Requirements if Using FELs:

HC+NOx Averaging Provisions are used for this engine family; ref. 40CFR 86.449

- Application includes Preliminary Corporate Average HC+NOx calculations.
Preliminary Class I/II Corporate Average HC+NOx: _____ g/km
If projecting a deficit, source of (Class III) offsetting credits: _____
- Preliminary Class III Corporate Average HC+NOx: _____ g/km
If projecting a Tier 2 deficit, source of (early Tier2) offsetting credits: _____
- Yes or No: Class III credits will be used in Class I/II Corporate Average.
- Application includes the statements required by 40CFR 86.449(f)(1) and (h):
(f)(1) The corporate average HC+NOx emission level will be below the standard for all classes of motorcycles; and (h) Certifying the accuracy of HC+NOx calculations.
- Agree to send EPA an end-of-year report within 120 days after model year ends; ref. 86.449.

HC+NOx Early Tier 2 Banking Provisions are used for this engine family (Class III only)

- FEL for this family is less than .8g/km HC+NOx as required by 40 CFR 86.449(j)
- Assigned a FEL of .8g/km HC+NOx to this family for Tier 1 corporate average calculations

HC+NOx FELs are being revised for this family before the model year ends

- FEL Raised: Must recalculate preliminary average & make new compliance statements.
- FEL Lowered: Must supply supporting data (e.g. production data from 2-3 vehicles).

Fuel Tank Permeation Averaging used for this evaporative family; 86.410(g), 86.1051 SubpartH:

- (Fuel tank permeation FELs for evaporative families cannot be revised before the model year ends)
- Metal tanks are excluded from averaging calculations (as required by 40 CFR 410-2006(g))
- Application includes Preliminary Corporate Average Permeation calculations.
Preliminary Corporate Average fuel tank permeations: _____ g/m²/day
If projecting a deficit, source of offsetting credits: _____
[Fuel tank deficits are allowed thru 2010, only. Deficits must be eliminated by the end of 2011.
ABT not allowed between hwy motorcycles and off-hwy-motorcycles/ATVs; ref 86.449-(g).]
- Agree to send EPA an end-of-year report within 90 days after the model year ends and a final report within 270 days after model year ends; ref. 1051.730(a).

Fuel Tank Permeation Early Banking Provisions used for this family

(Allowed prior to 2008 for large volume mfrs; prior to 2010 for small volume mfrs)

- FEL for this family is 3.0 g/m²/day as required by 40 CFR 86.1051.145(g).

Comments: _____

15. Obtain an EPA Certificate of Conformity; ref 40 CFR 86.437-78.
16. Build vehicles to certified specifications (identical to application for certification).
17. Affix emission label to each vehicle produced during the production process per 86.413-78(a)(1).
18. Supply customers with parts, service, owner's manuals, warranty, etc.
19. Send end-of year report to EPA within 120 days after model year ends (if using FELs), per 86.449(g).
20. Submit defect reports, voluntary emission-related recall reports to EPA, ref. 40 CFR 85.1901-1904.

I certify that to the best of my knowledge the above statements are true:

Applicant's Signature: _____ **Date:** _____

EPA: Certificate Reviewed by : _____ Date: _____

