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40 CFR Ch. I (7-1-13 Edition)

malfunction which was not anticipated.

Zero kilometers means that point after normal assembly line operations and adjustments, after normal dealer setup and preride inspection operations have been completed, and before 100 kilometers of vehicle operation of three hours of engine operation have been accumulated, including emission testing if performed.

(b) [Reserved]

[42 FR 1126, Jan. 5, 1977, as amended at 42 FR 56737, Oct. 28, 1977; 49 FR 48138, Dec. 10, 1984]

§ 86.402-98 Definitions.

The definitions of § 86.402-78 apply to this subpart. The following definition in this section is applicable beginning with the 1998 model year:

Designated Compliance Officer means the Manager, Engine Programs Group (6405-J), U.S. Environmental Protection Agency, 1200 Pennsylvania Ave., Washington, DC 20460.

Motorcycle means any motor vehicle with a headlight, taillight, and stoplight and having: Two wheels, or Three wheels and a curb mass less than or equal to 793 kilograms (1749 pounds).

Motor vehicle has the meaning we give in 40 CFR 85.1703.

Useful life is defined for each class (see § 86.419) of motorcycle:

- (1) Class I-A—5.0 years or 6,000 km (3,728 miles), whichever occurs first.
- (2) Class I-B—5.0 years or 12,000 km (7,456 miles), whichever occurs first.
- (3) Class II—5.0 years or 18,000 km (11,185 miles), whichever occurs first.
- (4) Class III—5.0 years or 30,000 km (18,641 miles), whichever occurs first.

[63 FR 11849, Mar. 11, 1998, as amended at 69 FR 2435, Jan. 15, 2004]

§ 86.403-78 Abbreviations.

The abbreviations used in this subpart have the following meanings in both capital and lowercase:

- ASTM—American Society for Testing and Materials.
- C—Celsius.
- cc—Cubic centimetre(s).
- cfh—Cubic feet per hour.
- cfm—Cubic feet per minute.
- CH₄ methane.
- cm—Centimetre(s).
- CO—Carbon monoxide.
- CO₂—Carbon dioxide.

- Conc—Concentration.
- cu.—Cubic.
- CVS—Constant volume sampler.
- EGR—Exhaust gas recirculation.
- EP—End point.
- EPA—Environmental Protection Agency.
- F—Fahrenheit.
- h—hour.
- HC—Hydrocarbon(s).
- Hg—Mercury.
- H₂O—Water.
- in.—Inch(es).
- K—Kelvin.
- kg—Kilogram(s).
- km—Kilometre(s).
- kpa—Kilopascals.
- lb—Pound(s).
- m—Metre(s).
- mph—Miles per hour.
- mm—Millimetre(s).
- N₂—Nitrogen.
- N₂O nitrous oxide.
- NO_x—Oxides of nitrogen.
- No.—Number.
- O₂—Oxygen.
- Pa—Pascal(s).
- Pb—lead.
- ppm—Parts per million by volume.
- psi—Pounds per square inch.
- psig—Pounds per square inch gauge.
- R—Rankine.
- rpm—Revolutions per minute.
- wt—Weight.
- °—Degree(s).
- %—Percent.

[42 FR 1126, Jan. 5, 1977, as amended at 74 FR 56373, Oct. 30, 2009]

§ 86.404-78 Section numbering.

(a) The year of initial applicability of a section is indicated by its section number. The two digits following the hyphen designate the first model year for which a section is effective. A section remains effective until superseded.

Example: Section 86.411-78 applies to 1978 and subsequent model years until it is superseded. If a § 86.411-81 is promulgated it would take effect beginning with 1981; § 86.411-78 would apply to years 1978 through 1980.

(b) A reference to a section without a year designation implies the appropriate model year.

Example: When considering 1979 vehicles a reference to § 86.411 implies § 86.411-79. However if no § 86.411-79 has been promulgated then § 86.411-78 is implied; See paragraph (a) of this section.

§ 86.405-78 Measurement system.

(a) This subpart and subpart F have been written using System International (SI) units. SI units will be

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used to determine compliance with these regulations. English equivalents have been indicated solely for the user's convenience.

(b) [Reserved]

§ 86.406-78 Introduction, structure of subpart, further information.

(a) This subpart contains general provisions regulating the emission of air pollution from new motorcycles. Test procedures are found in subpart F.

(b) Several discrete concepts are addressed:

(1) *Requirements.* Sections 86.407 to 86.415.

(2) *Application for certification.* Sections 86.416 and 86.417.

(3) *Test fleet selection.* Sections 86.418 to 86.423.

(4) *Service accumulation, testing, maintenance, certification.* Sections 86.424 to 86.439.

(5) *Administrative provisions.* Sections 86.440 to 86.444.

(c) The certification procedure to be followed depends upon the manufacturer's projected sales.

(1) New motorcycles, produced by a manufacturer whose projected U.S. sales of motorcycles is 10,000 or more units (for the model year in which certification is sought) shall demonstrate compliance with all general standards and all specific emission requirements before they can be sold in the United States. The manufacturer is required to submit an application with sales data, product information, required maintenance, testing and service accumulation procedures. The Administrator will select vehicle(s) which will represent the manufacturer's product line. The manufacturer is required to construct these vehicles to be representative of actual production. Service is accumulated and emission tests performed with data submitted to the Administrator. The Administrator may run his own tests to confirm the manufacturer's results. The Administrator will review the data and either grant or deny certification. If the manufacturer wishes to make changes to a certified vehicle, or to produce a new vehicle, the Administrator must be notified. The Administrator may require testing to demonstrate continued compliance with emission standards. Each vehicle

must be labeled with tune up specifications and the purchaser must be supplied with maintenance instructions. Also, information on production vehicles must be supplied to the Administrator.

(2) New motorcycles produced by a manufacturer whose projected U.S. sales of motorcycles is less than 10,000 units (for the model year in which certification is sought) shall meet both the general standards and specific emission requirements described in §§ 86.401 through 86.417, § 86.425, § 86.437, and §§ 86.440 through 86.444 of this subpart before they can be sold in the United States. The manufacturer is required to submit an application containing a statement that his vehicles conform to the applicable emission standards. The manufacturer is required to retain in his records, but not submit with the application, valid emission test data which support his statement. The Administrator will review the application and either grant or deny certification. Each vehicle must be labeled with tune up specifications and the purchaser must be supplied with maintenance instructions. Also, information on production vehicles must be supplied to the Administrator.

(d) Manufacturers who are considering an application should contact: Director, Vehicle Programs and Compliance Division, Environmental Protection Agency, 2565 Plymouth Rd., Ann Arbor, Michigan 48105 and state whether he/she plans to certify for total sales of greater than or less than 10,000 vehicles for the applicable model year.

[42 FR 1126, Jan. 5, 1977, as amended at 63 FR 11849, Mar. 11, 1998]

§ 86.407-78 Certificate of conformity required.

(a) *General requirement.* Every new motorcycle manufactured for sale, sold, offered for sale, introduced or delivered for introduction into commerce, or imported into the United States which is subject to any of the standards prescribed in this subpart is required to be covered by a certificate of conformity issued pursuant to this