

§ 86.1519-84

EFFECTIVE DATE NOTE: At 73 FR 37194, June 30, 2008, § 86.1516-84 was redesignated as § 86.1516, effective July 7, 2008.

§ 86.1519-84 CVS calibration.

If the CVS system is used for sampling during the idle emission test, the calibration instructions are specified in 40 CFR part 1065, subpart D, for heavy-duty engines, and § 86.119-78 for light-duty trucks.

[70 FR 40441, July 13, 2005]

EFFECTIVE DATE NOTE: At 73 FR 37194, June 30, 2008, § 86.1519-84 was redesignated as § 86.1519, effective July 7, 2008.

§ 86.1522-84 Carbon monoxide analyzer calibration.

(a) *Initial check.* (1) Follow good engineering practice for instrument start-up and operation. Adjust the analyzer to optimize performance on the range specified in § 86.1511-84(a)(1).

(2) Calibrate the analyzer with the calibration gas specified in § 86.1514-84.

(3) Adjust the electrical span network such that the electrical span point is correct when the analyzer reads the calibration gas correctly.

(4) Determine that the analyzer complies with the specifications in § 86.1511-84.

(b) *Periodic check.* Follow paragraphs (a) (1), (2), and (3) of this section as specified by § 86.1516-84(b). Adjust or repair the analyzer as necessary.

EFFECTIVE DATE NOTE: At 73 FR 37194, June 30, 2008, § 86.1522-84 was redesignated as § 86.1522, effective July 7, 2008.

§ 86.1524-84 Carbon dioxide analyzer calibration.

(a) The calibration requirements for the dilute-sample CO₂ analyzer are specified in 40 CFR part 1065, subpart D, for heavy-duty engines and § 86.124-78 for light-duty trucks.

(b) The calibration requirements for the raw CO₂ analyzer are specified in 40 CFR part 1065, subpart D.

[70 FR 40441, July 13, 2005]

EFFECTIVE DATE NOTE: At 73 FR 37194, June 30, 2008, § 86.1524-84 was redesignated as § 86.1524, effective July 7, 2008.

40 CFR Ch. I (7-1-08 Edition)

§ 86.1526-84 Calibration of other equipment.

Other test equipment used for testing shall be calibrated as often as necessary according to good engineering practice.

EFFECTIVE DATE NOTE: At 73 FR 37194, June 30, 2008, § 86.1526-84 was redesignated as § 86.1526, effective July 7, 2008.

§ 86.1527-84 Idle test procedure; overview.

(a) The idle emission test procedure is designed to determine the raw concentration (in percent) of CO in the exhaust flow at idle. The test procedure begins with the engine at normal operating temperature. (For example, the warm-up for an engine may be the transient engine or chassis dynamometer test.)

(b) Raw emission sampling must be made before dilution occurs from a single exhaust pipe in which exhaust products are homogeneously mixed. The configuration for dual-exhaust systems must also allow for raw emission measurements, which will require that an additional “Y” pipe be placed in the exhaust system before dilution.

EFFECTIVE DATE NOTE: At 73 FR 37194, June 30, 2008, § 86.1527-84 was redesignated as § 86.1527, effective July 7, 2008.

§ 86.1530-84 Test sequence; general requirements.

(a) The following test sequence lists the major steps encountered during the idle test:

Preparation
Warm-up (or Emission Test)
Preconditioning, 30 seconds minimum, six minutes maximum
Idle Stabilization, 30±5 seconds
Idle Emission Sampling, one minute minimum, six minutes maximum

These steps are described by subsequent procedures.

(b) Ambient test cell conditions during the test shall be those specified in § 86.130-78 or 40 CFR part 1065, subpart F.

[48 FR 52252, Nov. 16, 1983, as amended at 70 FR 40441, July 13, 2005]

EFFECTIVE DATE NOTE: At 73 FR 37194, June 30, 2008, § 86.1530-84 was redesignated as § 86.1530, effective July 7, 2008.