

90%	327
EP	414
Hydrocarbon Type, Vol. % FIA:	
Aromatics	30.9
Olefins	8.2
Saturates	60.9

The Administrator shall modify the definitions of NMOG, base gasoline, and the methods for making reactivity adjustments, to conform to the definitions and method used in California under the Low-Emission Vehicle and Clean Fuel Regulations of the California Air Resources Board, so long as the California definitions are, in the aggregate, at least as protective of public health and welfare as the definitions in this section.

(5) Covered fleet

The term “covered fleet” means 10 or more motor vehicles which are owned or operated by a single person. In determining the number of vehicles owned or operated by a single person for purposes of this paragraph, all motor vehicles owned or operated, leased or otherwise controlled by such person, by any person who controls such person, by any person controlled by such person, and by any person under common control with such person shall be treated as owned by such person. The term “covered fleet” shall not include motor vehicles held for lease or rental to the general public, motor vehicles held for sale by motor vehicle dealers (including demonstration vehicles), motor vehicles used for motor vehicle manufacturer product evaluations or tests, law enforcement and other emergency vehicles, or nonroad vehicles (including farm and construction vehicles).

(6) Covered fleet vehicle

The term “covered fleet vehicle” means only a motor vehicle which is—

- (i) in a vehicle class for which standards are applicable under this part; and
- (ii) in a covered fleet which is centrally fueled (or capable of being centrally fueled).

No vehicle which under normal operations is garaged at a personal residence at night shall be considered to be a vehicle which is capable of being centrally fueled within the meaning of this paragraph.

(7) Clean-fuel vehicle

The term “clean-fuel vehicle” means a vehicle in a class or category of vehicles which has been certified to meet for any model year the clean-fuel vehicle standards applicable under this part for that model year to clean-fuel vehicles in that class or category.

(July 14, 1955, ch. 360, title II, § 241, as added Pub. L. 101-549, title II, § 229(a), Nov. 15, 1990, 104 Stat. 2511.)

§ 7582. Requirements applicable to clean-fuel vehicles

(a) Promulgation of standards

Not later than 24 months after November 15, 1990, the Administrator shall promulgate regulations under this part containing clean-fuel vehicle standards for the clean-fuel vehicles specified in this part.

(b) Other requirements

Clean-fuel vehicles of up to 8,500 gvwr subject to standards set forth in this part shall comply with all motor vehicle requirements of this subchapter (such as requirements relating to on-board diagnostics, evaporative emissions, etc.) which are applicable to conventional gasoline-fueled vehicles of the same category and model year, except as provided in section 7584 of this title with respect to administration and enforcement, and except to the extent that any such requirement is in conflict with the provisions of this part. Clean-fuel vehicles of 8,500 gvwr or greater subject to standards set forth in this part shall comply with all requirements of this subchapter which are applicable in the case of conventional gasoline-fueled or diesel fueled vehicles of the same category and model year, except as provided in section 7584 of this title with respect to administration and enforcement, and except to the extent that any such requirement is in conflict with the provisions of this part.

(c) In-use useful life and testing

(1) In the case of light-duty vehicles and light-duty trucks up to 6,000 lbs gvwr, the useful life for purposes of determining in-use compliance with the standards under section 7583 of this title shall be—

(A) a period of 5 years or 50,000 miles (or the equivalent) whichever first occurs, in the case of standards applicable for purposes of certification at 50,000 miles; and

(B) a period of 10 years or 100,000 miles (or the equivalent) whichever first occurs, in the case of standards applicable for purposes of certification at 100,000 miles, except that in-use testing shall not be done for a period beyond 7 years or 75,000 miles (or the equivalent) whichever first occurs.

(2) In the case of light-duty trucks of more than 6,000 lbs gvwr, the useful life for purposes of determining in-use compliance with the standards under section 7583 of this title shall be—

(A) a period of 5 years or 50,000 miles (or the equivalent) whichever first occurs in the case of standards applicable for purposes of certification at 50,000 miles; and

(B) a period of 11 years or 120,000 miles (or the equivalent) whichever first occurs in the case of standards applicable for purposes of certification at 120,000 miles, except that in-use testing shall not be done for a period beyond 7 years or 90,000 miles (or the equivalent) whichever first occurs.

(July 14, 1955, ch. 360, title II, § 242, as added Pub. L. 101-549, title II, § 229(a), Nov. 15, 1990, 104 Stat. 2513.)

§ 7583. Standards for light-duty clean-fuel vehicles

(a) Exhaust standards for light-duty vehicles and certain light-duty trucks

The standards set forth in this subsection shall apply in the case of clean-fuel vehicles which are light-duty trucks of up to 6,000 lbs. gross vehicle weight rating (gvwr) (but not including light-duty trucks of more than 3,750 lbs.

loaded vehicle weight (lvw)) or light-duty vehicles:

(1) Phase I

Beginning with model year 1996, for the air pollutants specified in the following table, the clean-fuel vehicle standards under this section shall provide that vehicle exhaust emissions shall not exceed the levels specified in the following table:

PHASE I CLEAN FUEL VEHICLE EMISSION STANDARDS FOR LIGHT-DUTY TRUCKS OF UP TO 3,750 LBS. LVW AND UP TO 6,000 LBS. GVWR AND LIGHT-DUTY VEHICLES

Pollutant	NMOG	CO	NO _x	PM	HCHO (formaldehyde)
50,000 mile standard.	0.125	3.4	0.4	.....	0.015
100,000 mile standard.	0.156	4.2	0.6	0.08*	0.018

Standards are expressed in grams per mile (gpm).
 *Standards for particulates (PM) shall apply only to diesel-fueled vehicles.

In the case of the 50,000 mile standards and the 100,000 mile standards, for purposes of certification, the applicable useful life shall be 50,000 miles or 100,000 miles, respectively.

(2) Phase II

Beginning with model year 2001, for air pollutants specified in the following table, the clean-fuel vehicle standards under this section shall provide that vehicle exhaust emissions shall not exceed the levels specified in the following table.

PHASE II CLEAN FUEL VEHICLE EMISSION STANDARDS FOR LIGHT-DUTY TRUCKS OF UP TO 3,750 LBS. LVW AND UP TO 6,000 LBS. GVWR AND LIGHT-DUTY VEHICLES

Pollutant	NMOG	CO	NO _x	PM*	HCHO (formaldehyde)
50,000 mile standard.	0.075	3.4	0.2	.....	0.015
100,000 mile standard.	0.090	4.2	0.3	0.08	0.018

Standards are expressed in grams per mile (gpm).
 *Standards for particulates (PM) shall apply only to diesel-fueled vehicles.

In the case of the 50,000 mile standards and the 100,000 mile standards, for purposes of certification, the applicable useful life shall be 50,000 miles or 100,000 miles, respectively.

(b) Exhaust standards for light-duty trucks of more than 3,750 lbs. LVW and up to 5,750 lbs. LVW and up to 6,000 lbs. GVWR

The standards set forth in this paragraph¹ shall apply in the case of clean-fuel vehicles which are light-duty trucks of more than 3,750 lbs. loaded vehicle weight (lvw) but not more than 5,750 lbs. lvw and not more than 6,000 lbs. gross weight rating (GVWR):

(1) Phase I

Beginning with model year 1996, for the air pollutants specified in the following table, the clean-fuel vehicle standards under this section

shall provide that vehicle exhaust emissions shall not exceed the levels specified in the following table.

PHASE I CLEAN FUEL VEHICLE EMISSION STANDARDS FOR LIGHT-DUTY TRUCKS OF MORE THAN 3,750 LBS. AND UP TO 5,750 LBS. LVW AND UP TO 6,000 LBS. GVWR

Pollutant	NMOG	CO	NO _x	PM*	HCHO (formaldehyde)
50,000 mile standard.	0.160	4.4	0.7	.....	0.018
100,000 mile standard.	0.200	5.5	0.9	0.08	0.023

Standards are expressed in grams per mile (gpm).
 *Standards for particulates (PM) shall apply only to diesel-fueled vehicles.

In the case of the 50,000 mile standards and the 100,000 mile standards, for purposes of certification, the applicable useful life shall be 50,000 miles or 100,000 miles, respectively.

(2) Phase II

Beginning with model year 2001, for the air pollutants specified in the following table, the clean-fuel vehicle standards under this section shall provide that vehicle exhaust emissions shall not exceed the levels specified in the following table.

PHASE II CLEAN FUEL VEHICLE EMISSION STANDARDS FOR LIGHT-DUTY TRUCKS OF MORE THAN 3,750 LBS. LVW AND UP TO 5,750 LBS. LVW AND UP TO 6,000 LBS. GVWR

Pollutant	NMOG	CO	NO _x	PM*	HCHO (formaldehyde)
50,000 mile standard.	0.100	4.4	0.4	.....	0.018
100,000 mile standard.	0.130	5.5	0.5	0.08	0.023

Standards are expressed in grams per mile (gpm).
 *Standards for particulates (PM) shall apply only to diesel-fueled vehicles.

In the case of the 50,000 mile standards and the 100,000 mile standards, for purposes of certification, the applicable useful life shall be 50,000 miles or 100,000 miles, respectively.

(c) Exhaust standards for light-duty trucks greater than 6,000 lbs. GVWR

The standards set forth in this subsection shall apply in the case of clean-fuel vehicles which are light-duty trucks of more than 6,000 lbs. gross weight rating (GVWR) and less than or equal to 8,500 lbs. GVWR, beginning with model year 1998. For the air pollutants specified in the following table, the clean-fuel vehicle standards under this section shall provide that vehicle exhaust emissions of vehicles within the test weight categories specified in the following table shall not exceed the levels specified in such table.

¹ So in original. Probably should be "subsection".

CLEAN FUEL VEHICLE EMISSION STANDARDS FOR LIGHT DUTY TRUCKS GREATER THAN 6,000 LBS. GVWR

Test Weight Category: Up to 3,750 lbs. tw

Pollutant	NMOG	CO	NO _x	PM*	HCHO (formaldehyde)
50,000 mile standard.	0.125	3.4	0.4**	.....	0.015
120,000 mile standard.	0.180	5.0	0.6	0.08	0.022

Test Weight Category: Above 3,750 but not above 5,750 lbs. tw

Pollutant	NMOG	CO	NO _x	PM*	HCHO (formaldehyde)
50,000 mile standard.	0.160	4.4	0.7**	.....	0.018
120,000 mile standard.	0.230	6.4	1.0	0.10	0.027

Test Weight Category: Above 5,750 tw but not above 8,500 lbs. gvwr

Pollutant	NMOG	CO	NO _x	PM*	HCHO (formaldehyde)
50,000 mile standard.	0.195	5.0	1.1**	.....	0.022
120,000 mile standard.	0.280	7.3	1.5	0.12	0.032

Standards are expressed in grams per mile (gpm).
 *Standards for particulates (PM) shall apply only to diesel-fueled vehicles.
 **Standard not applicable to diesel-fueled vehicles.
 For the 50,000 mile standards and the 120,000 mile standards set forth in the table, the applicable useful life for purposes of certification shall be 50,000 miles or 120,000 miles, respectively.

(d) Flexible and dual-fuel vehicles

(1) In general

The Administrator shall establish standards and requirements under this section for the model year 1996 and thereafter for vehicles weighing not more than 8,500 lbs. gvwr which are capable of operating on more than one fuel. Such standards shall require that such vehicles meet the exhaust standards applicable under subsection² (a), (b), and (c) of this section for CO, NO_x, and HCHO, and if appropriate, PM for single-fuel vehicles of the same vehicle category and model year.

(2) Exhaust NMOG standard for operation on clean alternative fuel

In addition to standards for the pollutants referred to in paragraph (1), the standards established under paragraph (1) shall require that vehicle exhaust emissions of NMOG not exceed the levels (expressed in grams per mile) specified in the tables below when the vehicle is operated on the clean alternative fuel for which such vehicle is certified:

²So in original. Probably should be "subsections".

NMOG STANDARDS FOR FLEXIBLE- AND DUAL-FUELED VEHICLES WHEN OPERATING ON CLEAN ALTERNATIVE FUEL

Light-duty Trucks up to 6,000 lbs. GVWR and Light-duty vehicles

Vehicle Type	Column A (50,000 mi.) Standard (gpm)	Column B (100,000 mi.) Standard (gpm)
Beginning MY 1996: LDT's (0-3,750 lbs. LVW) and light-duty vehicles.	0.125	0.156
LDT's (3,751-5,750 lbs. LVW).	0.160	0.20
Beginning MY 2001: LDT's (0-3,750 lbs. LVW) and light-duty vehicles.	0.075	0.090
LDT's (3,751-5,750 lbs. LVW).	0.100	0.130

For standards under column A, for purposes of certification under section 7525 of this title, the applicable useful life shall be 50,000 miles.

For standards under column B, for purposes of certification under section 7525 of this title, the applicable useful life shall be 100,000 miles.

Light-duty Trucks More than 6,000 lbs. GVWR

Vehicle Type	Column A (50,000 mi.) Standard	Column B (120,000 mi.) Standard
Beginning MY 1998: LDT's (0-3,750 lbs. TW)	0.125	0.180
LDT's (3,751-5,750 lbs. TW)	0.160	0.230
LDT's (above 5,750 lbs. TW)	0.195	0.280

For standards under column A, for purposes of certification under section 7525 of this title, the applicable useful life shall be 50,000 miles.

For standards under column B, for purposes of certification under section 7525 of this title, the applicable useful life shall be 120,000 miles.

(3) NMOG standard for operation on conventional fuel

In addition to the standards referred to in paragraph (1), the standards established under paragraph (1) shall require that vehicle exhaust emissions of NMOG not exceed the levels (expressed in grams per mile) specified in the tables below:

NMOG STANDARDS FOR FLEXIBLE- AND DUAL-FUELED VEHICLES WHEN OPERATING ON CONVENTIONAL FUEL

Light-duty Trucks of up to 6,000 lbs. GVWR and Light-duty vehicles

Vehicle Type	Column A (50,000 mi.) Standard (gpm)	Column B (100,000 mi.) Standard (gpm)
Beginning MY 1996: LDT's (0-3,750 lbs. LVW) and light-duty vehicles.	0.25	0.31
LDT's (3,751-5,750 lbs. LVW).	0.32	0.40
Beginning MY 2001: LDT's (0-3,750 lbs. LVW) and light-duty vehicles.	0.125	0.156

NMOG STANDARDS FOR FLEXIBLE- AND DUAL-FUELED VEHICLES WHEN OPERATING ON CONVENTIONAL FUEL

Light-duty Trucks of up to 6,000 lbs. GVWR and Light-duty vehicles

Vehicle Type	Column A (50,000 mi.) Standard (gpm)	Column B (100,000 mi.) Standard (gpm)
LDT's (3,751-5,750 lbs. LVW).	0.160	0.200

For standards under column A, for purposes of certification under section 7525 of this title, the applicable useful life shall be 50,000 miles.

For standards under column B, for purposes of certification under section 7525 of this title, the applicable useful life shall be 100,000 miles.

Light-duty Trucks of up to 6,000 lbs. GVWR

Vehicle Type	Column A (50,000 mi.) Standard	Column B (120,000 mi.) Standard
Beginning MY 1998:		
LDT's (0-3,750 lbs. TW)	0.25	0.36
LDT's (3,751-5,750 lbs. TW)	0.32	0.46
LDT's (above 5,750 lbs. TW)	0.39	0.56

For standards under column A, for purposes of certification under section 7525 of this title, the applicable useful life shall be 50,000 miles.

For standards under column B, for purposes of certification under section 7525 of this title, the applicable useful life shall be 120,000 miles.

(e) Replacement by CARB standards

(1) Single set of CARB standards

If the State of California promulgates regulations establishing and implementing a single set of standards applicable in California pursuant to a waiver approved under section 7543 of this title to any category of vehicles referred to in subsection (a), (b), (c), or (d) of this section and such set of standards is, in the aggregate, at least as protective of public health and welfare as the otherwise applicable standards set forth in section 7582 of this title and subsection (a), (b), (c), or (d) of this section, such set of California standards shall apply to clean-fuel vehicles in such category in lieu of the standards otherwise applicable under section 7582 of this title and subsection (a), (b), (c), or (d) of this section, as the case may be.

(2) Multiple sets of CARB standards

If the State of California promulgates regulations establishing and implementing several different sets of standards applicable in California pursuant to a waiver approved under section 7543 of this title to any category of vehicles referred to in subsection (a), (b), (c), or (d) of this section and each of such sets of California standards is, in the aggregate, at least as protective of public health and welfare as the otherwise applicable standards set forth in section 7582 of this title and subsection (a), (b), (c), or (d) of this section, such standards shall be treated as "qualifying California standards" for purposes of this paragraph. Where more than one set of qualifying standards are established and administered by the State of California, the least stringent set of qualifying California standards shall apply to

the clean-fuel vehicles concerned in lieu of the standards otherwise applicable to such vehicles under section 7582 of this title and this section.

(f) Less stringent CARB standards

If the Low-Emission Vehicle and Clean Fuels Regulations of the California Air Resources Board applicable to any category of vehicles referred to in subsection (a), (b), (c), or (d) of this section are modified after November 15, 1990, to provide an emissions standard which is less stringent than the otherwise applicable standard set forth in subsection (a), (b), (c), or (d) of this section, or if any effective date contained in such regulations is delayed, such modified standards or such delay (or both, as the case may be) shall apply, for an interim period, in lieu of the standard or effective date otherwise applicable under subsection (a), (b), (c), or (d) of this section to any vehicles covered by such modified standard or delayed effective date. The interim period shall be a period of not more than 2 model years from the effective date otherwise applicable under subsection (a), (b), (c), or (d) of this section. After such interim period, the otherwise applicable standard set forth in subsection (a), (b), (c), or (d) of this section shall take effect with respect to such vehicles (unless subsequently replaced under subsection (e) of this section).

(g) Not applicable to heavy-duty vehicles

Notwithstanding any provision of the Low-Emission Vehicle and Clean Fuels Regulations of the California Air Resources Board nothing in this section shall apply to heavy-duty engines in vehicles of more than 8,500 lbs. GVWR.

(July 14, 1955, ch. 360, title II, §243, as added Pub. L. 101-549, title II, §229(a), Nov. 15, 1990, 104 Stat. 2514.)

§ 7584. Administration and enforcement as per California standards

Where the numerical clean-fuel vehicle standards applicable under this part to vehicles of not more than 8,500 lbs. GVWR are the same as numerical emission standards applicable in California under the Low-Emission Vehicle and Clean Fuels Regulations of the California Air Resources Board ("CARB"), such standards shall be administered and enforced by the Administrator—

(1) in the same manner and with the same flexibility as the State of California administers and enforces corresponding standards applicable under the Low-Emission Vehicle and Clean Fuels Regulations of the California Air Resources Board ("CARB"); and

(2) subject to the same requirements, and utilizing the same interpretations and policy judgments, as are applicable in the case of such CARB standards, including, but not limited to, requirements regarding certification, production-line testing, and in-use compliance,

unless the Administrator determines (in promulgating the rules establishing the clean fuel vehicle program under this section) that any such administration and enforcement would not meet