

**§ 86.1313-98**

**40 CFR Ch. I (7-1-00 Edition)**

that only the designated fuel would be used in customer service; and

(iii) Written approval from the Administrator of the fuel specifications must be provided prior to the start of testing.

(3) The specification range of the fuels to be used under paragraphs (f)(1) and (f)(2) of this section shall be measured in accordance with ASTM D2163-91 and reported in accordance with § 86.094-21(b)(3).

(g) Fuels not meeting the specifications set forth in this section may be used only with the advance approval of the Administrator.

[59 FR 48528, Sept. 21, 1994, as amended at 60 FR 34371, June 30, 1995; 62 FR 47125, Sept. 5, 1997]

**§ 86.1313-98 Fuel specifications.**

Section 86.1313-98 includes text that specifies requirements that differ from § 86.1313-94. Where a paragraph in § 86.1313-94 is identical and applicable to § 86.1313-98, this may be indicated by specifying the corresponding paragraph

and the statement “[Reserved]. For guidance see § 86.1313-94”.

(a) through (b)(1) [Reserved]. For guidance see § 86.1313-94.

(b)(2) Petroleum fuel for diesel engines meeting the specifications in Table N98-2, or substantially equivalent specifications approved by the Administrator, shall be used in exhaust emissions testing. The grade of petroleum fuel used shall be commercially designated as “Type 2-D” grade diesel fuel except that fuel commercially designated as “Type 1-D” grade diesel fuel may be substituted provided that the manufacturer has submitted evidence to the Administrator demonstrating to the Administrator’s satisfaction that this fuel will be the predominant in-use fuel. Such evidence could include such things as copies of signed contracts from customers indicating the intent to purchase and use “Type 1-D” grade diesel fuel as the primary fuel for use in the engines or other evidence acceptable to the Administrator.

TABLE N98-2

Item		ASTM test method No.	Type 1-D	Type 2-D
Cetane Number .....		D 613	40-54	40-50
Cetane Index .....		D 976	40-54	40-50
Distillation range:				
IBP .....	°F	D 86	330-390	340-400
	(°C)		(165.6-198.9)	(171.1-204.4)
10 pct. point .....	°F	D 86	370-430	400-460
	(°C)		(187.8-221.1)	(204.4-237.8)
50 pct. point .....	°F	D 86	410-480	470-540
	(°C)		(210.0-248.9)	(243.3-282.2)
90 pct. point .....	°F	D 86	460-520	560-630
	(°C)		(237.8-271-1)	(293.3-332.2)
EP .....	°F	D 86	500-560	610-690
	(°C)		(260.0-293.3)	(321.1-365.6)
Gravity .....	°API	D 287	40-44	32-37
Total sulfur .....	pct.	D 2622	0.03-0.05	0.03-0.05
Hydrocarbon composition:				
Aromatics, minimum .....	pct.	D 5186	8	27
Paraffins, Naphthenes, Olefins .....		D 1319	1	1
Flashpoint, min. ....	°F	D 93	120	130
	(°C)		(48.9)	(54.4)
Viscosity .....	centistokes	D 445	1.6-2.0	2.0-3.2

<sup>1</sup> Remainder.

(b)(3) through (e) [Reserved]. For guidance see § 86.1313-94.

[62 FR 47126, Sept. 5, 1997, as amended at 65 FR 8278, Feb. 18, 2000]

**§ 86.1314-84 Analytical gases.**

(a) Gases for the CO and CO<sub>2</sub> analyzers shall be single blends of CO and CO<sub>2</sub>, respectively, using nitrogen as the diluent.