

TABLE 2.—MEASUREMENT CALIBRATION ACCURACY AND FREQUENCY—Continued

No.	Item	Permissible deviation from reading *		Calibration frequency
		Non-idle	Idle	
12	Humidity (combustion air) (relative).	± 3.0 %	Same	As required.
13	Fuel temperature	± 2° C	Same	As required.
14	Temperature with regard to dilution system.	± 2° C	Same	As required.
15	Dilution air humidity	± 3 % absolute .	Same	As required.
16	HC analyzer	± 2 %**	Same	Monthly or within one month prior to the certification test.
17	CO analyzer	± 2 %**	Same	Monthly or within one month prior to the certification test.
18	NO _x analyzer	± 2 %**	Same	Monthly or within one month prior to the certification test.
19	NO _x converter check	90 %	Same	Monthly or within one month prior to the certification test.
20	CO ₂ analyzer	± 2 %**	Same	Monthly or within one month prior to the certification test.

* All accuracy requirements pertain to the final recorded value which is inclusive of the data acquisition system.

** If reading is under 100 ppm then the accuracy shall be ± 2 ppm.

TABLE 3.—TEST FUEL SPECIFICATIONS

Item	Property	Tolerances	Procedure (ASTM) ¹
Sulfur, ppm max.	339		D 2622-92
Benzene, max. %	1.5		D 3606-92
RVP, psi	8.7	±0.2	D 5191-93a
Octane, R+M/2	87.3	±0.5	D 2699-92
IBP, ° C	32.8	±11.0	D 2700-92
10 % point, ° C	53.3	±5.5	D 86-93
50 % point, ° C	103.3	±5.5	D 86-93
90 % point, ° C	165.6	±5.5	D 86-93
End Point, max. ° C	212.8		D 86-93
Phosphorus, g/liter, max.	0.02		D 3231-89
Lead, g/liter, max.	0.02		
Manganese, g/liter, max.	0.004		
Aromatics, %	32.0	±4.0	D 1319-89
Olefins, %	9.2	±4.0	D 1319-89
Saturates, %	Remainder		D 1319-89

¹ All ASTM procedures in this table have been incorporated by reference. See § 90.7.

Appendix B to Subpart D—Figures

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