

- (v) Raw or dilute sampling; any dilution air background sampling.
- (vi) Cold-start, hot-start, warmed-up running.
- (vii) Intake and dilution air absolute pressure, temperature, dewpoint.
- (viii) Curb idle transmission torque value.
- (ix) Warm idle speed value, any enhanced idle speed value.
- (x) Date, time, and location of test (e.g., identify the testing laboratory).
- (xi) Proportional sampling validation.
- (xii) Drift validation.
- (xiii) Operating temperatures of coolant, head, and block.
- (xiv) Vehicle make, model, model year, identification number.

**Subpart H—Engine Fluids, Test Fuels, Analytical Gases and Other Calibration Standards**

**§ 1065.701 General requirements for test fuels.**

(a) *General.* For all emission measurements, use test fuels that meet the specifications in this subpart, unless the standard-setting part directs otherwise. Section 1065.10(c)(1) does not apply with respect to test fuels. Note that the standard-setting parts generally require that you design your emission controls to function properly when using commercially available fuels, even if they differ from the test fuel.

(b) *Fuels meeting alternate specifications.* We may allow you to use a different test fuel (such as California

Phase 2 gasoline) if you show us that using it does not affect your ability to comply with all applicable emission standards using commercially available fuels.

(c) *Fuels not specified in this subpart.* If you produce engines that run on a type of fuel (or mixture of fuels) that we do not specify in this subpart, you must get our written approval to establish the appropriate test fuel. You must show us all the following things before we can specify a different test fuel for your engines:

- (1) Show that this type of fuel is commercially available.
- (2) Show that your engines will use only the designated fuel in service.
- (3) Show that operating the engines on the fuel we specify would unrepresentatively increase emissions or decrease durability.

(d) *Fuel specifications.* The fuel parameters specified in this subpart depend on measurement procedures that are incorporated by reference. For any of these procedures, you may instead rely upon the procedures identified in 40 CFR part 80 for measuring the same parameter. For example, we may identify different reference procedures for measuring gasoline parameters in 40 CFR 80.46.

(e) *Service accumulation and field testing fuels.* If we do not specify a service-accumulation or field-testing fuel in the standard-setting part, use an appropriate commercially available fuel such as those meeting minimum ASTM specifications from the following table:

TABLE 1 OF § 1065.701—SPECIFICATIONS FOR SERVICE-ACCUMULATION AND FIELD-TESTING FUELS

Fuel type	Subcategory	ASTM specification <sup>1</sup>
Diesel .....	Light distillate and light blends with residual .....	D975-04c
	Middle distillate .....	D6751-03a
	Biodiesel (B100) .....	D6985-04a
Gasoline .....	Motor vehicle and minor oxygenate blends .....	D4814-04b
	Ethanol (Ed75-85) .....	D5798-99
	Methanol (M70-M85) .....	D5797-96
	Aviation gasoline .....	D910-04a
Aviation fuel .....	Gas turbine .....	D1655-04a
	Jet B wide cut .....	D6615-04a
	General .....	D2880-03
Gas turbine fuel .....	General .....	D2880-03

<sup>1</sup> All ASTM specifications are incorporated by reference in § 1065.1010.