

APPENDIX VI TO PART 1039.—
NONROAD COMPRESSION-IGNITION
(CI) COMPOSITE TRANSIENT
CYCLE—Continued

Time (s)	Normal- ized speed (percent)	Normal- ized torque (percent)
1212	27	25
1213	14	12
1214	0	0
1215	0	0
1216	0	0
1217	0	0
1218	0	0
1219	0	0
1220	0	0
1221	0	0
1222	0	0
1223	0	0
1224	0	0
1225	0	0
1226	0	0
1227	0	0
1228	0	0
1229	0	0
1230	0	0
1231	0	0
1232	0	0
1233	0	0
1234	0	0
1235	0	0
1236	0	0
1237	0	0
1238	0	0

PART 1065—TEST PROCEDURES AND EQUIPMENT

65. The authority citation for part 1065 continues to read as follows:

Authority: 42 U.S.C. 7401–7671(q).

66. Section 1065.1 is amended by revising paragraph (a) and removing and reserving paragraph (b)(6) to read as follows:

§ 1065.1 Applicability.

(a) This part describes the procedures that apply to testing that we require for the following engines or for equipment using the following engines:

(1) Large nonroad spark-ignition engines we regulate under 40 CFR part 1048.

(2) Vehicles that we regulate under 40 CFR part 1051 (*i.e.*, recreational SI vehicles) that are regulated based on engine testing. See 40 CFR part 1051 to determine which vehicles may be certified based on engine test data.

(3) Land-based nonroad compression-ignition engines we regulate under 40 CFR part 1039.

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67. Section 1065.10 is amended by revising paragraph (c)(3) to read as follows:

§ 1065.10 Other test procedures.

* * * * *

(c) * * *

(3) You may ask to use alternate procedures that produce measurements equivalent to those from the specified procedures. If you send us a written request showing your procedures are equivalent, and we agree that they are equivalent, we will allow you to use them. You may not use an alternate procedure until we approve them, either by: Telling you directly that you may use this procedure; or issuing guidance to all manufacturers, which allows you to use the alternate procedure without additional approval. You may use the statistical procedures specified in 40 CFR 86.1306–07(d) to demonstrate equivalence.

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68. Section 1065.115 is added to read as follows:

§ 1065.115 Exhaust gas sampling system; compression-ignition engines.

Use the exhaust-gas sampling system specified in 40 CFR 86.1310 to measure emissions from compression-ignition nonroad engines.

69. Section 1065.205 is added to read as follows:

§ 1065.205 Test fuel specifications for distillate diesel fuel.

Petroleum distillate diesel fuel used as a test fuel must meet the following specifications:

Item		ASTM test method No.	Type 2-D
(i) Cetane Number	D613	40–50
(ii) Cetane Index	D976	40–50
(iii) Distillation range:			
(A) IBP	°C	D86	171–204
(B) 10 pct. point	°C	D86	204–238
(C) 50 pct. point	°C	D86	243–282
(D) 90 pct. point	°C	D86	293–332
(E) EP	°C	D86	D321–366
(iv) Gravity	°API	D287	32–37
(v) Total sulfur	ppm	D2622	7–15
(vi) Hydrocarbon composition: (A) Aromatics, minimum (Remainder shall be paraffins, naphthenes, and olefins).	pct	D5186	10
(vii) Flashpoint, min.	°C	D93	54
(viii) Viscosity	centistokes	D445	2.0–3.2

70. Section 1065.310 is amended to read as follows:

§ 1065.310 CVS calibration.

Use the procedures of 40 CFR 86.1319–90 to calibrate the CVS.

71. Section 1065.405 is amended by revising paragraph (b) to read as follows:

§ 1065.405 Preparing and servicing a test engine.

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(b) Run the test engine, with all emission-control systems operating, long enough to stabilize emission levels.

(1) For SI engines, if you accumulate 50 hours of operation, you may consider emission levels stable without measurement.

(2) For CI engines, if you accumulate 125 hours of operation, you may consider emission levels stable without measurement.

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72. Section 1065.530 is amended by revising paragraph (b)(3)(iii) and Table 1 and adding a new Table 2 and paragraph (d) to read as follows:

§ 1065.530 Test cycle validation criteria.

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(b) * * *

(3) * * *

(iii) For a valid test, make sure the feedback cycle's integrated brake kilowatt-hour is within 5 percent of the reference cycle's integrated brake kilowatt-hour. Also, ensure that the