

PART 94—CONTROL OF EMISSIONS FROM MARINE COMPRESSION-IGNITION ENGINES

■ 1. The authority citation for part 94 continues to read as follows:

Authority: 42 U.S.C. 7522, 7523, 7524, 7525, 7541, 7542, 7543, 7545, 7547, 7549, 7550 and 7601(a).

Subpart A—[Amended]

■ 2. Section 94.2 is amended by redesignating paragraphs (1)(iii)(A)(2) and (3) of the definition of “New vessel” as paragraphs (1)(iii)(B) and (C).

■ 3. Section 94.8 is amended by revising Table A–1 in paragraph (a)(2)(i) and paragraph (e) to read as follows:

§ 94.8 Exhaust emission standards.

(a) * * *

(2) (i) * * *

TABLE A–1.—PRIMARY TIER 2 EXHAUST EMISSION STANDARDS (G/kW-HR)

Engine Size liters/cylinder, rated power	Category	Model year ^a	THC+NO _x g/kW-hr	CO g/kW-hr	PM g/kW-hr
disp. <0.9 and power ≥37 kW	Category 1, Commercial	2005	7.5	5.0	0.40
	Category 1, Recreational	2007	7.5	5.0	0.40
0.9 ≤ disp. <1.2 all power levels	Category 1, Commercial	2004	7.2	5.0	0.30
	Category 1, Recreational	2006	7.2	5.0	0.30
1.2 ≤ disp. <2.5 all power levels	Category 1, Commercial	2004	7.2	5.0	0.20
	Category 1, Recreational	2006	7.2	5.0	0.20
2.5 ≤ disp. <5.0 all power levels	Category 1, Commercial	2007	7.2	5.0	0.20
	Category 1, Recreational	2009	7.2	5.0	0.20
5.0 ≤ disp. <15.0 all power levels	Category 2	2007	7.8	5.0	0.27
15.0 ≤ disp. <20.0 power <3300 kW	Category 2	2007	8.7	5.0	0.50
15.0 ≤ disp. <20.0 power ≥3300 kW	Category 2	2007	9.8	5.0	0.50
20.0 ≤ disp. <25.0 all power levels	Category 2	2007	9.8	5.0	0.50
25.0 ≤ disp. <30.0 all power levels	Category 2	2007	11.0	5.0	0.50
disp. ≥30.0 all power levels	Category 3	See paragraph (a)(2)(ii) of this section			

^a The model years listed indicate the model years for which the specified standards start.

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(e) Exhaust emissions from Category 1 and Category 2 propulsion engines subject to the standards (or FELs) in paragraph (a), (c), or (f) of this section shall not exceed:

(1) *Commercial marine engines.* (i) 1.20 times the applicable standards (or FELs) when tested in accordance with the supplemental test procedures specified in § 94.106 at loads greater than or equal to 45 percent of the maximum power at rated speed or 1.50 times the applicable standards (or FELs) at loads less than 45 percent of the maximum power at rated speed.

(ii) As an option, the manufacturer may choose to comply with limits of 1.25 times the applicable standards (or FELs) when tested over the whole power range in accordance with the supplemental test procedures specified in § 94.106, instead of the limits in paragraph (e)(1)(i) of this section.

(2) *Recreational marine engines.* (i) 1.20 times the applicable standards (or

FELs) when tested in accordance with the supplemental test procedures specified in § 94.106 at loads greater than or equal to 45 percent of the maximum power at rated speed and speeds less than 95 percent of maximum test speed, or 1.50 times the applicable standards (or FELs) at loads less than 45 percent of the maximum power at rated speed, or 1.50 times the applicable standards (or FELs) at any loads for speeds greater than or equal to 95 percent of the maximum test speed.

(ii) As an option, the manufacturer may choose to comply with limits of 1.25 times the applicable standards (or FELs) when tested over the whole power range in accordance with the supplemental test procedures specified in § 94.106, instead of the limits in paragraph (e)(2)(i) of this section.

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■ 4. Section 94.9 is amended by revising paragraph (a)(1) to read as follows:

§ 94.9 Compliance with emission standards.

(a) * * *

(1) The minimum useful life is:

(i) 10 years or 1,000 hours of operation for recreational Category 1 engines.

(ii) 10 years or 10,000 hours of operation for commercial Category 1 engines.

(iii) 10 years or 20,000 hours of operation for Category 2 engines.

(iv) 3 years or 10,000 hours of operation for Category 3 engines.

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§ 94.12 [Amended]

■ 5. Section 94.12 is amended by redesignating paragraph (f) as paragraph (h) and reserving paragraph (f).

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