

§ 2443.2. Consumer / Environmental Label Requirements.

(a)

(b) Applicability. This section applies to:

- (1) Model year 2001 and later spark-ignition personal watercraft and outboard marine engines and model year 2003 and later spark-ignition ~~inboard and sterndrive~~/inboard marine engines, which have been certified to the applicable emission standards pursuant to Health and Safety Code section 43013;

(c)

- (1) Facsimiles of the label format are shown in Figure 1.

Figure 1



(NOTE: Labels are not to scale.)

- (A) The engine manufacturer must ensure that the label has the following characteristics:

(i)

1. Oval shape;

(ii)

2. Dimensions of no less than three inches wide by two and a half inches high, except that it may be no less than

two inches by one and two-thirds inches high for engines that have power outputs of 11.2 kW (15 hp) or less;

(iii)

3. Watermark

(i) For all except five star labels, Aa watermark as shown in Figure 2 that is a clear laminate. The watermark must cover the entire label and be screened at no less than fifteen percent; and

(ii) For five star labels, a colored or black and white watermark consisting of the central portion of the California State flag as shown in the five star label format in Figure 1. The watermark must cover the entire label and be screened at no less than fifteen percent; and

(iv)

4. All written information required by paragraph (c)(4)(B) must be in the English language and the font must be sans serif. The characters must be a minimum of two (2) millimeters in height except as specified in paragraph (b)(1)(B)(i)(d)(c)(1)(B)5., and of a color that contrasts with the background on which it is displayed.

Figure 2



(B) Multiple levels of cleanliness. Progressively clean engines shall carry the following notations (as applicable):

(i)

1. An engine that has an FEL or that has been certified at or below the hydrocarbon plus oxides of nitrogen standard listed in Table 1 of this section for Tier 1 must include the phrase "LOW EMISSION" and a single star symbol as shown in Figure 1.

(ii)

2. An engine that has an FEL or that has been certified at or below the hydrocarbon plus oxides of nitrogen standard listed in Table 1 of this section for Tier 2 must include the phrase "VERY LOW EMISSION" and two star symbols as shown in Figure 1.

(iii)

3. An engine that has an FEL or that has been certified at or below the hydrocarbon plus oxides of nitrogen standard listed in Table 1 of this section for Tier 3 must include the phrase "ULTRA LOW EMISSION" and three star symbols as shown in Figure 1.

(iv)

4. An engine that has an FEL or that has been certified at or below the hydrocarbon plus oxides of nitrogen standard listed in Table 1 of this section for Tier 4 must include the phrase "SUPER ULTRA LOW EMISSION" and four star symbols as shown in Figure 1.

5. An engine that has an FEL or that has been certified at or below the hydrocarbon plus oxides of nitrogen standard listed in Table 1 of this section for Tier 5 must include the phrase "LEVEL FIVE EXTREMELY CLEAN" and five star symbols as shown in Figure 1.

Table 1.

Hydrocarbon plus Oxides of Nitrogen Standards (in g/kW-hr)		
<i>Tier</i>	<i>P < 4.3</i>	<i>P ≥ 4.3</i>
1	81.00	$(0.25 \times (151+557/P^{0.9})) + 6.0$
2	64.80	$(0.20 \times (151+557/P^{0.9})) + 4.8$
3	30.00	$(0.09 \times (151+557/P^{0.9})) + 2.1$
4	5.0	5.0
<u>5</u>	<u>2.5</u>	<u>2.5</u>

Where P means the average power in kW (sales-weighted) of the subject engine family.

(iv)

6. All phrases encircling the top portion must have block characters that are a minimum of five (5) millimeters in height except that the characters may be three (3) millimeters for labels sized as allowed pursuant to paragraph (c)(1)(A)(i)2. for engines that have power outputs of 11.2 kW (15 hp) or less.

(C) Language other than that specified in paragraph (b)(1)(B) must not be used unless permitted by the Executive Officer.

(D) The color of the outer oval and stars on the labels must contrast with the engine cover or watercraft hull. The color of the interior oval (i.e., background for the stars) must contrast with the color of the outer oval and stars.

(2) Label Location. For outboard engines, a single label must be permanently affixed to the back of the engine cover or cowling. For personal watercraft, a single label must be affixed two to three inches to the right of the required location of the California Assigned Vessel Number displayed on the port side of the hull. For ~~inboard and sterndrive~~/inboard engines, labels must be affixed to the engine and to the port side of the hull, either to the right or left and in close proximity to the required location of the California Assigned Vessel Number. Each label must be manufactured and permanently affixed so that it cannot be removed without destroying or defacing the label, must be readily visible and must not be affixed to any location that is likely to be replaced during the engine's useful life. For the purposes of this paragraph, readily visible means that the label's shape and number of stars are discernible from a distance of 100 feet.

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(5) ~~For Inboard and Sterndrive~~/Inboard Marine Engines:

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(e) Replacement engines installed in hulls, cowlings or watercraft that had been previously labeled in accordance with these specifications must have identical or improved emissions to that of the original certified engine in accordance with the provisions in § 2442 (e).

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NOTE: Authority cited: Sections 39600, 39601, 43013, 43018, 43101, 43102 and 43104, Health and Safety Code. Reference: Sections 43013, 43017, 43018, 43101, 43102, 43104, 43105, 43150-43154, 43205.5 and 43210-43212, Health and Safety Code.