

APPENDIX VIII

15-Day Modifications to the Original Proposal

Title 13 California Code of Regulations

CALIFORNIA EXHAUST AND EVAPORATIVE EMISSION STANDARDS AND TEST PROCEDURES FOR NEW 2010 AND LATER OFF-ROAD LARGE SPARK-IGNITION ENGINES PART 1048

NOTE: This appendix shows staff's proposed modifications to the regulatory amendments adopted by the Air Resources Board on December 16, 2011, in accordance with Resolution 11-41. All existing regulatory language is indicated by plain type. Staff's originally proposed additions to the regulatory language, as specified in Appendix O of the Staff Report: Initial Statement of Reasons, are shown in underlined text and staff's originally proposed deletions are shown in ~~strikeout~~. Staff's incorporation of proposed modifications to the original proposal, as described in Attachment G of Resolution 11-41 and via conforming modifications thereof, and as directed by the Board on December 16, 2011, are shown in double underlined text to indicate additions and ~~double strikeout~~ text to indicate deletions. Only these double underlined and ~~double strikeout~~ modifications are subject to comment during this comment period. "** * * *

**" are provided for reference to indicate portions of the existing regulations for which amendments were not proposed in the original proposal and for which modifications are also not proposed with this Notice of Modified Text.

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§1048.101 What exhaust emission standards must my engines meet?

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(e) Fuel ~~t~~Types and Test Fuel.

(1) Fuel ~~t~~Types

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(2) Test Fuel.

(A) ~~Except as outlined in (B),~~ if the engine is a gasoline-fueled large spark-ignition engine, then the test fuel used shall be consistent with the fuel specifications as outlined in the "California Exhaust Emission Standards and Test Procedures for 2001 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles," as of January 1, 2006 (last amended August 4, 2005) incorporated by reference in Section 1961(d), Title 13, CCR). The California fuel specifications are contained in the California Code of Regulations, Title 13, Chapter 5, Article 1, Sections 2260-2272. If the engine is tested using the U.S. EPA test fuel, consistent with the fuel specifications as outlined in Title 40 Code of Federal Register, Part 1065, subpart H, the manufacturer shall demonstrate that the emission test results complies with these Test Procedures.

(B) For 2013-~~2018~~2019 model-year gasoline-fueled, large spark-ignition engines, the manufacturer has the option to use the fuel specified in (e)(2)(C).

(C) For ~~2019~~2020 and later gasoline-fueled, large spark-ignition engines: The certification test fuel for exhaust emission testing must be consistent with the fuel specifications as outlined in title 13, section 1961.2 and the "California 2015 and Subsequent Model Criteria Pollutant Exhaust Emission Standards and Test Procedures for 2015 and 2017 and Subsequent Model Greenhouse Gas Exhaust Emission Standards and Test Procedures for Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles," adopted <insert date of adoption>, and incorporated by reference herein. The test fuel specifications should remain consistent from batch to batch. Optionally, manufacturers may use other renewable fuel blends under this paragraph that have been certified by ARB as yielding test results equivalent, or more stringent than, those resulting from the fuel specified by 13 CCR 1961.2, and which are appropriate for the certification of large spark-ignition engines.

~~(B)~~(D) If the engine is not a gasoline-fueled large spark-ignition engine, then the test fuel used shall be consistent with the fuel specifications as outlined in the "California Exhaust Emission Standards and Test Procedures for 2001 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles," as of January 1, 2006 (last amended August 4, 2005) incorporated by reference in Section 1961(d), Title 13, CCR). The California fuel specifications are contained in the California Code of

Regulations, Title 13, Chapter 5, Article 3, Sections 2290- 2293.5. If the engine is tested using the U.S. EPA test fuel, consistent with the fuel specifications as outlined in Title 40 Code of Federal Register, Part 1065, subpart H, the manufacturer shall demonstrate that the emission test results complies with these Test Procedures.

~~(C)~~(E) During all engine tests, the engine shall employ a lubricating oil consistent with the engine manufacturer's specifications for that particular engine. These specifications shall be recorded and declared in the certification application.