

**APPENDIX D**

**PROPOSED REGULATION ORDER**

**In-Use Compliance Requirements  
for Retrofits of Large Spark-Ignition Engines**

**Title 13 California Code of Regulations**

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\*\* Amendments to Existing Regulations \*\*

1. Amend section 2783, title 13, California Code of Regulations, to read as follows:

(Note: [Section 2783]. The proposed amendments are shown in underline to indicate additions and strikeout to indicate deletions from the existing regulatory text.

**§ 2783. Emissions Reduction Testing Requirements.**

\* \* \* \* \*

(d) Test Fuel.

(1) 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 incorporated by reference in section 1961(d). If the engine is tested using the U.S. EPA test fuel, as outlined in 40 CFR Part 1065, the manufacturer shall demonstrate that the emission results are consistent with these Test Procedures.

(2) Gasoline-fueled, large spark-ignition engines that are tested during the 2013-2018 calendar years have the option of using the test fuel referenced in section 2783(d)(3) for demonstrating exhaust emission compliance with the requirements of this section.

(3) Gasoline-fueled, large spark-ignition engines that are tested during 2019 and later calendar years must be exhaust emission tested using a test fuel must that is consistent with the fuel specifications as outlined in title 13, section 1961.2; and, the “California Exhaust Emission Standards and Test Procedures for 2015 and Subsequent Model 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.

~~(2)~~(4) During all engine tests, the engine shall employ lubricating oil consistent with the engine manufacturer's specifications for that particular engine. These specifications shall be recorded and declared in the verification application.

\* \* \* \* \*

NOTE: Authority cited: Sections 39002, 39003, 39500, 39600, 39601, 39650-39675, 40000, 43000, 43000.5, 43011, 43013, 43018, 43105, 43600 and 43700, Health and Safety Code.

Reference: Sections: 43000, 43009.5, 43013, 43018, 43101, 43104, 43105, 43106, 43107, 43204, 43205 and 43205.5, Health and Safety Code.

**\*\* Amendments to Existing Regulations \*\***

2. Amend section 2784, title 13, California Code of Regulations, to read as follows:

(Note: [Section 2784]. The proposed amendments are shown in underline to indicate additions and strikeout to indicate deletions from the existing regulatory text.

**§ 2784. Durability Demonstration Requirements.**

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(c) Test Fuel.

(1) Except as outlined in (2), ~~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 incorporated by reference in section 1961(d). If the engine is tested using the U.S. EPA test fuel, as outlined in 40 CFR Part 1065, the manufacturer shall demonstrate that the emission results are consistent with ARB Test Procedures. Manufacturers can use “commercially available fuels” to accumulate service hours but emission testing must be conducted using test fuel as specified in this section.

(2) Gasoline-fueled, large spark-ignition engines that are tested during the 2013-2018 calendar years have the option of using the test fuel referenced in section 2784(c)(3) for demonstrating exhaust emission compliance with the requirements of this section.

(3) Gasoline-fueled, large spark-ignition engines that are tested during 2019 and later calendar years must be exhaust emission tested using a test fuel must that is consistent with the fuel specifications as outlined in title 13, section 1961.2; and, the “California Exhaust Emission Standards and Test Procedures for 2015 and Subsequent Model 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.

~~(2)~~(4) During all engine tests, the engine shall employ lubricating oil consistent with the engine manufacturer's specifications for that particular engine. These specifications shall be recorded and declared in the verification application.

\* \* \* \* \*

NOTE: Authority cited: 39002, 39003, 39500, 39600, 39601, 39650-39675, 40000, 43000, 43000.5, 43011, 43013, 43018, 43105, 43600 and 43700, Health and Safety Code.

Reference: Sections: 43000, 43009.5, 43013, 43018, 43101, 43104, 43105, 43106, 43107, 43204, 43205 and 43205.5, Health and Safety Code.