



Designation: D6201 – 18

# Standard Test Method for Dynamometer Evaluation of Unleaded Spark-Ignition Engine Fuel for Intake Valve Deposit Formation<sup>1</sup>

This standard is issued under the fixed designation D6201; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

## 1. Scope\*

1.1 This test method covers an engine dynamometer test procedure for evaluation of intake valve deposit formation of unleaded spark-ignition engine fuels.<sup>2</sup> This test method uses a Ford Ranger 2.3 L four-cylinder engine. This test method includes detailed information regarding the procedure, hardware, and operations.

1.2 The ASTM Test Monitoring Center (TMC)<sup>3</sup> is responsible for engine test stand calibration as well as issuance of information letters after test method modifications are approved by Subcommittee D02.A0 and Committee D02. Users of this test method shall request copies of recent information letters from the TMC to ensure proper conduct of the test method.

1.3 The values stated in SI units are to be regarded as standard. The values given in parentheses after SI units are provided for information only and are not considered standard.

1.4 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety, health, and environmental practices and determine the applicability of regulatory limitations prior to use.* Specific warning statements are given throughout this test method.

1.5 This test method is arranged as follows:

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<sup>1</sup> This test method is under jurisdiction of ASTM Committee D02 on Petroleum Products, Liquid Fuels, and Lubricants and is the direct responsibility of Subcommittee D02.A0.01 on Gasoline and Gasoline-Oxygenate Blends.

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<sup>2</sup> Supporting data have been filed at ASTM International Headquarters and may be obtained by requesting Research Report RR:D02-1453. Contact ASTM Customer Service at service@astm.org.

<sup>3</sup> ASTM Test Monitoring Center (TMC), 6555 Penn Avenue, Pittsburgh, PA 15206-4489.

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\*A Summary of Changes section appears at the end of this standard