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Standard Test Method for Cloud Point of Petroleum Products (Constant Cooling Rate Method)¹

This standard is issued under the fixed designation D 5773; 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.

INTRODUCTION

This test method describes an alternative procedure for the determination of cloud point of petroleum products Test Method D 2500/IP 219 using an automatic apparatus. The temperature results from this test method have been found to be equivalent to Test Method D 2500/IP 219. When specification requires Test Method D 2500/IP 219, do not substitute this test method or any other method without obtaining comparative data and agreement from the specifier.

1. Scope*

1.1 This test method describes the determination of the cloud point of petroleum products and biodiesel fuels that are transparent in layers 40 mm in thickness by an automatic instrument using a constant cooling rate.

1.2 This test method covers the range of temperatures from -60 to +49°C with temperature resolution of 0.1°C, however, the range of temperatures included in the 1997 interlaboratory cooperative test program only covered the temperature range of -56 to +34°C.

1.3 The values stated in SI units are to be regarded as the standard. The values given in parentheses are for information only.

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 and health practices and determine the applicability of regulatory limitations prior to use.*

¹ This test method is under the jurisdiction of ASTM Committee D02 on Petroleum Products and Lubricants and is the direct responsibility of Subcommittee D02.07 on Flow Properties.

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