



Designation: D 5949 – 9601

An American National Standard

Standard Test Method for Pour Point of Petroleum Products (Automatic Pressure Pulsing Method)¹

This standard is issued under the fixed designation D 5949; 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 covers an alternative procedure for the determination of pour point of petroleum products ~~Test Method D 97/IP15 using an automatic apparatus. The results from this test method based on observations at 3°C temperature intervals have been found to be equivalent to Test Method D 97/IP15. When specification requires Test Method D 97/IP15, do not substitute this test method.~~ apparatus.

1. Scope*

1.1 This test method covers the determination of pour point of petroleum products by an automatic instrument that applies a controlled burst of nitrogen gas onto the specimen surface while the specimen is being cooled and detects movement of the surface of the test specimen with an optical device.

1.2 This test method ~~includes~~ is designed to cover the range of temperatures from -57 to +51°C. However, the range of temperatures included in the 1992 interlaboratory test program only covered the temperature range from -39 to +6°C and the range of temperatures included in the 1998 interlaboratory test program was from -51 to -11°C. (see 13.4).

1.3 Test results from this test method can be determined at 1 or 3°C testing intervals.

1.4 This test method is not intended for use with crude oils.

NOTE 1—~~The range applicability of temperatures which was included in the 1992 interlaboratory test program only covered the temperature range of -39 to +6°C (see 13.4).~~

~~1.3 Test results from this test method can also be determined at 1 and 2°C testing intervals; however, precision data on these testing intervals are or residual fuel samples has not available.~~

~~1.4 This test method is not intended for use with crude oils. been verified. For further information on applicability, refer to 13.4.~~

1.5 The values stated in SI units are regarded as standard.

1.6 *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.*

2. Referenced Documents

2.1 *ASTM Standards:*

D 97 Test Method for Pour Point of Petroleum Products²

¹ This test method is under the jurisdiction of ASTM Committee ~~D-2~~ D02 on Petroleum Products and Lubricants and is the direct responsibility of Subcommittee D02.07.0D on Wax Related Viscometric Properties of Fuels and Oils.

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