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Petroleum products - Determination of cloud point - Automated step-wise cooling method (ISO 22995:2019)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 22995

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ICS 75.080

English Version

Petroleum products - Determination of cloud point - Automated step-wise cooling method (ISO 22995:2019)

Produits pétroliers - Détermination du point de trouble - Méthode automatisée par refroidissement par paliers (ISO 22995:2019)

Mineralölerzeugnisse - Bestimmung des Cloudpoints - Verfahren mit automatischer schrittweiser Abkühlung (ISO 22995:2019)

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Contents

Page

European foreword

This document (EN ISO 22995:2019) has been prepared by Technical Committee ISO/TC 28 "Petroleum and related products, fuels and lubricants from natural or synthetic sources" in collaboration with Technical Committee CEN/TC 19 “Gaseous and liquid fuels, lubricants and related products of petroleum, synthetic and biological origin.” the secretariat of which is held by NEN.

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INTERNATIONAL STANDARD

ISO 22995

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Petroleum products — Determination of cloud point — Automated step-wise cooling method

Produits pétroliers — Détermination du point de trouble — Méthode automatisée par refroidissement par paliers

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Contents

Page

Foreword

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This document was prepared by the European Committee for Standardization (CEN) Technical Committee CEN/TC 19, *Gaseous and liquid fuels, lubricants and related products of petroleum, synthetic and biological origin*, in collaboration with ISO Technical Committee TC 28, *Petroleum and related products, fuels and lubricants from natural or synthetic sources*, in accordance with the agreement on technical cooperation between ISO and CEN (Vienna Agreement).

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

This document describes an automated method for the determination of the cloud point, based on the manual determination technique described in ISO 3015[2]. In parallel with the revision of the manual method, the scope has been extended to new fuels.

INTERNATIONAL STANDARD **ISO 22995:2019(E)**

Petroleum products — Determination of cloud point — Automated step-wise cooling method

WARNING — The use of this document can involve hazardous materials, operations and equipment. This document does not purport to address all of the safety problems associated with its use. It is the responsibility of users of this document to take appropriate measures to ensure the safety and health of personnel prior to application of this document and to fulfil other applicable requirements for this purpose.

1 Scope

This document specifies a method to determine cloud point using a step-wise cooling technique that is executed by means of automated equipment types with optical detection mode.

The method is applicable to distillate fuels, fatty-acid methyl esters (FAME) and paraffinic diesel fuels, including blends thereof, as well as those containing flow-improvers or other additives, intended for use in diesel engines and domestic heating installations.

The method can be applied to other products such as vegetable oils or lubricants, but these kinds of products have not been evaluated during the interlaboratory study (ILS), no precision data are available.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 3170, *Petroleum liquids — Manual sampling*

ISO 3171, *Petroleum liquids — Automatic pipeline sampling*

