



SLOVENSKI STANDARD SIST EN ISO 5165:2018

01-april-2018

Nadomešča:
SIST EN ISO 5165:1999

Naftni proizvodi - Določevanje kakovosti vžiga dieselskih goriv - Cetansko število po motorni metodi (ISO 5165:2017)

Petroleum products - Determination of the ignition quality of diesel fuels - Cetane engine method (ISO 5165:2017)

Mineralölerzeugnisse - Bestimmung der Zündwilligkeit von Dieselmotoren - Cetan-Verfahren mit dem CFR-Motor (ISO 5165:2017)

Produits pétroliers -- Détermination de la qualité d'inflammabilité des carburants pour moteurs diesel -- Méthode cétane (ISO 5165:2017)

Ta slovenski standard je istoveten z: EN ISO 5165:2018

ICS:

75.160.20 Tekoča goriva Liquid fuels

SIST EN ISO 5165:2018 en,fr,de

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 5165

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ICS 75.160.20

Supersedes EN ISO 5165:1998

English Version

Petroleum products - Determination of the ignition quality of diesel fuels - Cetane engine method (ISO 5165:2017)

Produits pétroliers - Détermination de la qualité
d'inflammabilité des carburants pour moteurs diesel -
Méthode cétane (ISO 5165:2017)

Mineralölerzeugnisse - Bestimmung der Zündwilligkeit
von Dieselkraftstoffen - Cetan-Verfahren mit dem CFR-
Motor (ISO 5165:2017)

This European Standard was approved by CEN on 27 November 2017.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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COMITÉ EUROPÉEN DE NORMALISATION
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European Foreword

This document (EN ISO 5165:2018) 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.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by July 2018, and conflicting national standards shall be withdrawn at the latest by July 2018.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 5165:1998.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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Endorsement notice

The text of ISO 5165:2018 has been approved by CEN as EN ISO 5165:2018 without any modification.

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INTERNATIONAL
STANDARD

ISO
5165

Fourth edition
2017-12

**Petroleum products — Determination
of the ignition quality of diesel fuels —
Cetane engine method**

*Produits pétroliers — Détermination de la qualité d'inflammabilité
des carburants pour moteurs diesel — Méthode cétane*

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 28, *Petroleum products and related products of synthetic or biological origin*.

This fourth edition cancels and replaces the third edition (ISO 5165:1998), which has been technically revised. It has been aligned with ASTM D613-15ae1.

The main changes compared to the previous edition are as follows:

- the Scope has been extended to paraffinic diesel from synthesis or hydrotreatment, in line with the outcome of the interlaboratory study organized by CEN/TC 19 in 2013^[1];
- the possibility to use, as an alternative, the new digital (XCP) cetane panel has been added;
- the possibility to rate a sample with primary reference fuels (hexadecane and heptamethylnonane) has been added;
- a determinability limit has been introduced;
- a new procedure for measuring samples having cetane numbers expected to be greater than “T” secondary reference fuel has been introduced;
- cross-references to annexes that have been deleted in ASTM D613-15ae1 have been removed.

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