SLOVENSKI STANDARD
SIST EN ISO 22854:2014

01-maj-2014

Nadomešča:
SIST EN ISO 22854:2008

Tekoči naftni proizvodi - Ugotavljanje vrste ogljikovodikov in oksigenatov v bencinih - Metoda multidimenzionalne plinske kromatografije (ISO 22854:2014)

Liquid petroleum products - Determination of hydrocarbon types and oxygenates in automotivemotor gasoline - Multidimensional gas chromatography method (ISO 22854:2014)

Flüssige Mineralölerzeugnisse - Bestimmung der Kohlenwasserstoffgruppen und der sauerstoffhaltigen Verbindungen in Kraftstoffen für Kraftfahrzeugmotoren - Multidimensionales gaschromatographisches Verfahren (ISO 22854:2014)

Produits pétroliers liquides - Détermination des groupes d'hydrocarbures et de la teneur en composés oxygénés de l'essence automobile pour moteurs - Méthode par chromatographie multidimensionnelle en phase gazeuse (ISO 22854:2014)

Ta slovenski standard je istoveten z: **EN ISO 22854:2014**

ICS:

75.160.20	Tekoča goriva	Liquid fuels

SIST EN ISO 22854:2014 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 22854

March 2014

ICS 75.080

Supersedes EN ISO 22854:2008

English Version

Liquid petroleum products - Determination of hydrocarbon types and oxygenates in automotive-motor gasoline and in ethanol (E85) automotive fuel - Multidimensional gas chromatography method (ISO 22854:2014)

Produits pétroliers liquides - Détermination des groupes d'hydrocarbures et de la teneur en composés oxygénés de l'essence automobile pour moteurs et du carburant à l'éthanol (E85) - Méthode par chromatographie multidimensionnelle en phase gazeuse (ISO 22854:2014)

Flüssige Mineralölerzeugnisse - Bestimmung der Kohlenwasserstoffgruppen und der sauerstoffhaltigen Verbindungen in Kraftstoffen für Kraftfahrzeugmotoren - Multidimensionales gaschromatographisches Verfahren (ISO 22854:2014)

This European Standard was approved by CEN on 11 January 2014.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This document (EN ISO 22854:2014) has been prepared by Technical Committee ISO/TC 28 "Petroleum products and lubricants" in collaboration 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 September 2014 and conflicting national standards shall be withdrawn at the latest by September 2014.

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

This document supersedes EN ISO 22854:2008.

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Endorsement notice

The text of ISO 22854:2014 has been approved by CEN as EN ISO 22854:2014 without any modification.

INTERNATIONAL STANDARD

ISO 22854

Second edition
2014-03-01

Liquid petroleum products — Determination of hydrocarbon types and oxygenates in automotive-motor gasoline and in ethanol (E85) automotive fuel — Multidimensional gas chromatography method

Produits pétroliers liquides — Détermination des groupes d'hydrocarbures et de la teneur en composés oxygénés de l'essence automobile pour moteurs et du carburant à l'éthanol (E85) — Méthode par chromatographie multidimensionnelle en phase gazeuse

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Foreword

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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. www.iso.org/directives

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

ISO 22854 was prepared by the European Committee for Standardisation (CEN) Technical Committee CEN/TC 19, *Gaseous and liquid fuels, lubricants and related products of petroleum, synthetic and biological origin*, in collaboration with Technical Committee ISO/TC 28, *Petroleum and petroleum products*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 22854:2008), which has been technically revised.

Introduction

This International Standard is an update of the first edition (ISO 22854:2008). Originally ISO 22854:2008 was used for determination of saturated, olefinic, aromatic and oxygenated hydrocarbons in automotive motor gasoline according to European fuel specifications. Recent round-robin work has shown that the scope of the method can be updated without alteration to include petrol with higher oxygen percentages than mentioned in the first edition and will now be applicable for automotive motor gasoline up to and including E10.

An interlaboratory study organized by CEN has shown that the method can also be used for high-ethanol gasoline [also called ethanol (E85) automotive fuel], provided that the sample is diluted with a component that will not interfere with any of the components or group of components that need to be analysed. Details of how to perform such analysis are given in 8.2.

The derived precision data for methanol do not comply with the precision calculation as presented in this International Standard. No precision calculation for methanol has been established as the need for such data has not been expressed. If methanol is present in the automotive motor gasoline sample, it is recommended that its contents is verified by the use of an appropriate test method, for instance as given in EN 228.[1]

The test method described in this International Standard is harmonized with ASTM D6839.[2]