

SLOVENSKI STANDARD oSIST prEN 12662:2012

01-oktober-2012

Tekoči naftni proizvodi - Določevanje nečistoč v srednjih destilatih, dizelskem gorivu in v metilnih estrih maščobnih kislin

Liquid petroleum products - Determination of total contamination in middle distillates, diesel fuels and fatty acid methyl esters

Flüssige Mineralölerzeugnisse - Bestimmung der Gesamtverschmutzung in Mitteldestillaten, Dieselkraftstoff und Fettsäure-Methylestern

Produits pétroliers liquides - Détermination de la contamination des distillats moyens, gazoles et methylesters gras

Ta slovenski standard je istoveten z: prEN 12662 rev

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ICS:

75.160.20 Tekoča goriva

Liquid fuels

oSIST prEN 12662:2012

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EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

DRAFT prEN 12662 rev

August 2012

ICS 75.160.20

Will supersede EN 12662:2008

English Version

Liquid petroleum products - Determination of total contamination in middle distillates, diesel fuels and fatty acid methyl esters

Produits pétroliers liquides - Détermination de la contamination des distillats moyens, gazoles et methylesters gras Flüssige Mineralölerzeugnisse - Bestimmung der Gesamtverschmutzung in Mitteldestillaten, Dieselkraftstoff und Fettsäure-Methylestern

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 19.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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

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Ref. No. prEN 12662 rev:2012: E

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Foreword

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This document (prEN 12662:2012) has been prepared by 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 document is currently submitted to the CEN Enquiry.

This document will supersede EN 12662:2008.

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1 Scope

This European Standard specifies a method for the determination of total contamination as the content of undissolved substances in middle distillates, in diesel fuels containing up to 30 % (V/V) fatty acid methyl esters (FAME), and in pure FAME. This method is applicable for contaminant contents from about 12 mg/kg to about 30 mg/kg.

NOTE 1 Excessive contamination in a fuel system can give rise to premature blocking of filters and/or hardware failure, and is therefore undesirable.

This standard in general applies to products having a kinematic viscosity not exceeding 8 mm²/s at 20 °C, or 5 mm²/s at 40 °C, e.g. diesel fuel as specified in EN 590 [1].

Although the test method precision has not been defined, the method described may also be used for blends containing more than 30 % (V/V) FAME and for petroleum products having a viscosity exceeding the above.

For liquid petroleum products having a kinematic viscosity exceeding 8 mm²/s at 20 °C or 5 mm²/s at 40 °C a separate procedure is in 11.2.

NOTE 2 For the purposes of this European Standard, the term "% (V/V)" is used to represent the volume fraction.

WARNING — Use of this standard may involve hazardous materials, operations and equipment. This standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and to determine the applicability of regulatory limitations prior to use.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 14275, Automotive fuels – Assessment of petrol and diesel fuel quality - Sampling from retail site pumps and commercial site fuel dispensers

EN ISO 3170, Petroleum liquids — Manual sampling (ISO 3170)

EN ISO 3171, Petroleum liquids — Automatic pipeline sampling (ISO 3171)

ISO 3819, Laboratory glassware – Beakers

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply:

3.1

total contamination

undissolved substances retained on a filter after filtration under test conditions

3.2

absolute pressure

pressure measured relative to zero pressure or a total vacuum