SLOVENSKI STANDARD
oSIST prEN 16734:2026

01-april-2026

Goriva za motorna vozila - Dizelsko gorivo za motorna vozila B10 - Zahteve in preskusne metode

Automotive fuels - Automotive B10 diesel fuel - Requirements and test methods

Kraftstoffe für Kraftfahrzeuge - B10 Dieselkraftstoff - Anforderungen und Prüfverfahren

Carburants pour automobiles - Carburant B10 pour moteur automobile diesel - Exigences et méthodes d'essai

Ta slovenski standard je istoveten z: **prEN 16734**

ICS:

75.160.20	Tekoča goriva	Liquid fuels

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EUROPEAN STANDARD

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English Version

Automotive fuels - Automotive B10 diesel fuel - Requirements and test methods

Carburants pour automobiles - Carburant B10 pour moteur automobile diesel - Exigences et méthodes d'essai

Kraftstoffe für Kraftfahrzeuge - B10 Dieselkraftstoff - Anforderungen und Prüfverfahren

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

If this draft becomes a European Standard, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

This draft European Standard was established by CEN 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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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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European foreword

This document (prEN 16734:2026) 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 will supersede EN 16734:2022.

This document has been prepared under a standardization request [1] addressed to CEN by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

Significant technical changes between this document and the previous edition are:

— removal of dated references in the tables and main text;

— the parameters in the tables that have a link with the FQD are no longer in bold;

— introduction of new definitions in Clause 3 “Terms and definitions”;

— inclusion of a particle count limit of 10 000 counts/ml for particles ≥ 4 µm at “the point of particle certification” in a new Table 2 and 6.5;

— introduction of test method IP 630 procedures A and B to measure the number of particles ≥ 4 µm in diesel fuel;

— addition of the constant pressure viscometer method (EN ISO 18335) as an alternative test method to EN ISO 3104 for the determination of viscosity;

— addition of the portable rapid mid-infrared analyzer (IP 639) as an alternative test method to EN 14078 for the determination of fatty acid methyl ester (FAME) content;

— reduction of the minimum density for summer grades (A, B, C) from 820,0 kg/m^3 to 815,0 kg/m^3 and displacement of the parameter to Table 1;

— adaptation of 6.7 (former 6.6) “Climate dependent requirements and related test methods” with the transformation of the requirement to countries to develop a national normative annex defining climate-dependent requirements into a recommendation to National Standardization Bodies to develop such an annex;

— removal of the A-deviations (for Sweden and Germany) in previous Annex A

— addition of new Annex A “Further information regarding particle count requirements”.

Introduction

This document describes a specification for diesel fuel containing up to 10,0 % (*V*/*V*) Fatty Acid Methyl Ester. This product is not suitable for all vehicles, so consumers and providers can consult vehicle manufacturers or manuals before use.

Requirements following amendment 2003/17/EC [3], 2009/30/EC [4], 2011/63/EU [5], 2014/77/EU [6], 2015/1513/EC [17], 2018/1999/EU [18] and 2023/2413/EU [19] to the European Fuels Quality Directive 98/70/EC [2], are taken into account.

The marking at the pump of this product is in line with the requirements of the Fuels Quality Directive and the Alternative Fuels Infrastructure Regulation [7].

1 Scope

This document specifies requirements and test methods for marketed and delivered automotive B10 diesel fuel, i.e. diesel fuel containing up to 10,0 %(*V*/*V*) fatty acid methyl ester (FAME). It is applicable to fuel for use in diesel engine vehicles compatible with automotive B10 diesel fuel.

NOTE 1 This product is allowed in Europe [4], but national legislation can set additional requirements or rules concerning, or even prohibiting, marketing or delivering of the product.

NOTE 2 For the purposes of this document, the terms "% (*m*/*m*)" and "% (*V*/*V*)" are used to represent respectively the mass fraction and the volume fraction.

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.

EN 116, *Diesel and domestic heating fuels — Determination of cold filter plugging point — Stepwise cooling bath method*

EN 12662-1, *Liquid petroleum products — Determination of total contamination — Part 1: Middle distillates and diesel fuels*

EN 12916, *Petroleum products — Determination of aromatic hydrocarbon types in middle distillates — High performance liquid chromatography method with refractive index detection*

EN 14078, *Liquid petroleum products — Determination of fatty acid methyl ester (FAME) content in middle distillates — Infrared spectrometry method*

EN 14214, *Liquid petroleum products — Fatty acid methyl esters (FAME) for use in diesel engines and heating applications — Requirements and test methods*

EN 15195, *Liquid petroleum products — Determination of ignition delay and derived cetane number (DCN) of middle distillate fuels by combustion in a constant volume chamber*

EN 15751, *Automotive fuels - Fatty acid methyl ester (FAME) fuel and blends with diesel fuel - Determination of oxidation stability by accelerated oxidation method at 110 °C*

EN 16091, *Liquid petroleum products — Middle distillates and fatty acid methyl ester (FAME) fuels and blends — Determination of oxidation stability by rapid small scale oxidation test (RSSOT)*

EN 16329, *Diesel and domestic heating fuels — Determination of cold filter plugging point — Linear cooling bath method*

EN 16576, *Automotive fuels — Determination of manganese and iron content in diesel — Inductively coupled plasma optical emission spectrometry (ICP OES) method*

EN 16715, *Liquid petroleum products — Determination of ignition delay and derived cetane number (DCN) of middle distillate fuels — Ignition delay and combustion delay determination using a constant volume combustion chamber with direct fuel injection*

EN 16906, *Liquid petroleum products — Determination of the ignition quality of diesel fuels — Fixed compression ratio engine method*