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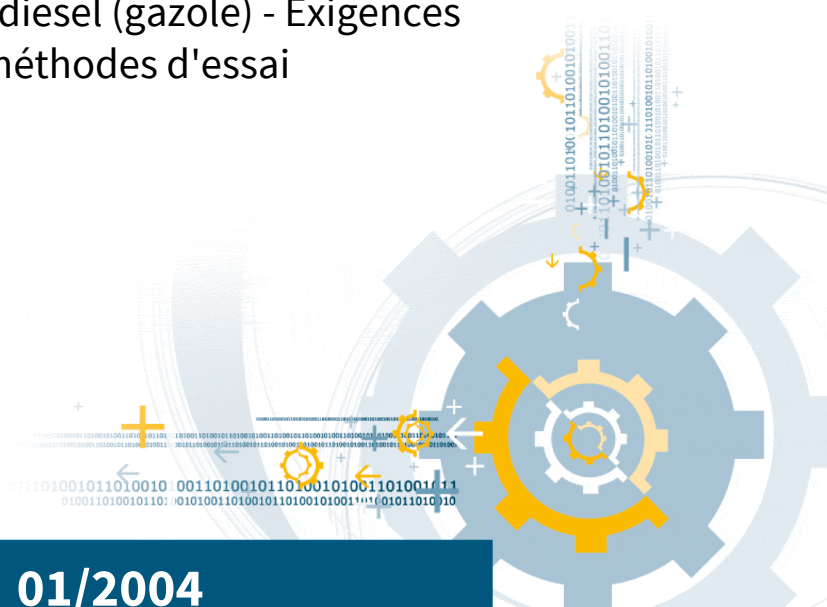
ILNAS-EN 590:2004

Automotive fuels - Diesel - Requirements and test methods

Kraftstoffe für Kraftfahrzeuge -
Dieselkraftstoff - Anforderungen und
Prüfverfahren

Carburants pour automobiles - Carburant
pour moteur diesel (gazole) - Exigences
et méthodes d'essai

01/2004



National Foreword

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EUROPEAN STANDARD ILNAS-EN 590:2004 **EN 590**
NORME EUROPÉENNE
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Supersedes EN 590:1999

English version

Automotive fuels - Diesel - Requirements and test methods

Carburants pour automobiles - Carburant pour moteur
diesel (gazole) - Exigences et méthodes d'essai

Kraftstoffe für Kraftfahrzeuge - Dieseldieselkraftstoff -
Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 24 December 2003.

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. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

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 Central Secretariat has the same status as the official versions.

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

Management Centre: rue de Stassart, 36 B-1050 Brussels

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Foreword

This document EN 590:2004 has been prepared by Technical Committee CEN/TC 19 "Petroleum products, lubricants and related products", 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of an identical text or by endorsement, at the latest by July 2004, and conflicting national standards shall be withdrawn at the latest by July 2004.

This document supersedes EN 590:1999.

Significant technical changes between this European Standard and the previous edition are:

- The requirements of the European Fuels Directive 98/70/EC [1], including amendment 2003/17/EC [2] have been included, supporting early national introduction of maximum 10 mg/kg sulfur automotive diesel fuel.
- Provision is made for a maximum of 5 % (V/V) of fatty acid methyl esters (FAME) to be included in automotive diesel fuel.
- Dates have been included with all normative test method references in order to comply with the requirements of the European Commission, with the accompanying assurance that updated versions will always give similar accuracy and the same or better precision.
- Table 1 explicitly differentiates between requirements included in the European Fuels Directive 98/70/EC [1], including Amendment 2003/17/EC [2], and other requirements.
- Many of the test methods included in this standard were the subject of inter-laboratory testing to determine the applicability of the method and its precision in relation to blends of automotive diesel fuel containing 5 % (V/V) of different sources of fatty acid methyl esters (FAME). These fatty acid methyl esters were produced from rapeseed and sunflower oil.

Annex A is normative and contains the precision data generated on the test methods which are the result of the inter-laboratory testing as mentioned above, carried out by working groups of CEN/TC19. This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

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