

SLOVENSKI STANDARD
oSIST prEN ISO 13032:2010
01-julij-2010

**Naftni proizvodi - Določevanje nizke vsebnosti žvepla v gorivih za motorna vozila -
Metoda z energijsko-disperzivno rentgensko fluorescenčno spektrometrijo
(ISO/DIS 13032:2010)**

Petroleum products - Determination of low sulfur content of automotive fuels - Energy-dispersive X-ray fluorescence spectrometry (ISO/DIS 13032:2010)

Mineralölerzeugnisse - Bestimmung niedriger Schwefelgehalte in Kraftstoffen - Energiedispersiv Röntgenfluoreszenzspektrometrie (ISO/DIS 13032:2010)

Produits pétroliers - Détermination de la basse teneur en soufre des carburants pour automobiles - Spectrométrie de fluorescence de rayons X dispersive en énergie (ISO/DIS 13032:2010)

Ta slovenski standard je istoveten z: prEN ISO 13032

ICS:

75.160.20 Tekoča goriva Liquid fuels

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EUROPEAN STANDARD
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EUROPÄISCHE NORM

DRAFT
prEN ISO 13032

May 2010

ICS 75.160.20

English Version

Petroleum products - Determination of low sulfur content of automotive fuels - Energy-dispersive X-ray fluorescence spectrometry (ISO/DIS 13032:2010)

Produits pétroliers - Détermination de la basse teneur en soufre des carburants pour automobiles - Spectrométrie de fluorescence de rayons X dispersif en énergie (ISO/DIS 13032:2010)

Mineralölerzeugnisse - Bestimmung niedriger Schwefelgehalte in Kraftstoffen - Energiedispersiv Röntgenfluoreszenzspektrometrie (ISO/DIS 13032:2010)

This draft European Standard is submitted to CEN members for parallel 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.

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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
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 EUROPÄISCHES KOMITEE FÜR NORMUNG

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prEN ISO 13032:2010 (E)

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Foreword

This document (prEN ISO 13032:2010) has been prepared by Technical Committee CEN/TC 19 "Water in diesel fuel emulsion for use in internal combustion engines" the secretariat of which is held by NEN, in collaboration with Technical Committee ISO/TC 28 "Petroleum products and lubricants".

This document is currently submitted to the parallel Enquiry.

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DRAFT INTERNATIONAL STANDARD ISO/DIS 13032

ISO/TC 28

Secretariat: ANSI

Voting begins on:
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Petroleum products — Determination of low sulfur content of automotive fuels — Energy-dispersive X-ray fluorescence spectrometry

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ICS 75.160.20

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ISO/CEN PARALLEL PROCESSING

This draft has been developed within the European Committee for Standardization (CEN), and processed under the **CEN-lead** mode of collaboration as defined in the Vienna Agreement.

This draft is hereby submitted to the ISO member bodies and to the CEN member bodies for a parallel five-month enquiry.

Should this draft be accepted, a final draft, established on the basis of comments received, will be submitted to a parallel two-month approval vote in ISO and formal vote in CEN.

In accordance with the provisions of Council Resolution 15/1993 this document is circulated in the English language only.

Conformément aux dispositions de la Résolution du Conseil 15/1993, ce document est distribué en version anglaise seulement.

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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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.

ISO 13032 was prepared by the European Committee for Standardization (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 products and lubricants*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

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Introduction

This International Standard is directed specifically at the lower end of the concentration range covered in ISO 20847 [1]. By restriction of instrument type, a better signal to background ratio for sulfur K emission is assured.

Knowledge before analysis of the general composition of the sample is advantageous in obtaining the best test result.

Where matrix matching is not used and where the C:H mass ratio of the test sample is known or can be determined, accuracy may be improved by the use of the equation given in A.2.3 to correct the result to the C:H mass ratio of the calibration standards i.e. the reference diluent oil (4.1).

Some instruments include the capability for instrument based matrix correction, and notes for information are provided in A.3 on the use of this approach for compensating for matrix effects in the test sample.

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