



NSAI
Standards

Irish Standard
I.S. EN 14156:2003

Derivatives from coal pyrolysis - Coal tar based oils: Coal tar fuel - Specifications and test methods

I.S. EN 14156:2003

Incorporating amendments/corrigenda/National Annexes issued since publication:

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National Foreword

I.S. EN 14156:2003 is the adopted Irish version of the European Document EN 14156:2003, Derivatives from coal pyrolysis - Coal tar based oils: Coal tar fuel - Specifications and test methods

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EUROPEAN STANDARD

EN 14156

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2003

ICS 75.160.20

English version

Derivatives from coal pyrolysis - Coal tar based oils: Coal tar fuel - Specifications and test methods

Produits dérivés de la pyrolyse de charbon - Produits à
base de goudron de charbon : Combustibles -
Spécifications et méthodes d'essai

Derivate der Kohlenpyrolyse - Heizöl aus Steinkohlenteeröl
- Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 16 May 2003.

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CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.



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Foreword

This document (EN 14156:2003) has been prepared by Technical Committee CEN /TC 317, "Derivatives from coal pyrolysis", the secretariat of which is held by IBN.

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of an identical text or by endorsement, at the latest by January 2004, and conflicting national standards shall be withdrawn at the latest by January 2004.

Annex A is normative.

This document includes a Bibliography.

No existing European Standard is superseded. The standard is based on DIN 51603-2 and DIN 51603-4.

WARNING —The use of this European 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 determine the applicability of regulatory limitations prior to use.

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

EN 14156:2003 (E)

1 Scope

This European Standard gives the specifications of and the test methods for liquid fuels derived from coal tar. The specifications also apply to shale oil, aromatic mineral oils, and lignite tar.

Preheating of liquid fuel oils according to this standard can be necessary for transport, storage, and combustion.

The mixing with fuel oils from other raw materials should be avoided.

This standard does not cover marine fuel applications.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 1014-1, *Wood preservatives - Creosote and creosoted timber - Methods of sampling and analysis – Part 1 : Procedure for sampling creosote.*

EN 12303:2000, *Coal tar based oils - Terminology.*

prEN 13991, *Derivatives from coal pyrolysis – Coal tar based oils: creosotes – Specifications and test methods.*

EN 24260, *Petroleum products and hydrocarbons - Determination of sulfur content - Wickbold combustion method (ISO 4260:1987).*

EN ISO 2719, *Determination of flash point - Pensky-Martens closed cup method (ISO 2719:2002).*

EN ISO 3675, *Crude petroleum and liquid petroleum products - Laboratory determination of density - Hydrometer method (ISO 3675:1998).*

EN ISO 6245, *Petroleum products - Determination of ash (ISO 6245:2001).*

EN ISO 10370, *Petroleum products - Determination of carbon residue - Micro method (ISO 10370:1993).*

EN ISO 14596, *Petroleum products - Determination of sulfur content - Wavelength-dispersive X-ray fluorescence spectrometry (ISO 14596:1998).*

ISO 760, *Determination of water - Karl Fischer method (General method).*

ISO 3733, *Petroleum products and bituminous materials - Determination of water - Distillation method.*

DIN 51550, *Viscometry - Determination of viscosity - General principles.*

DIN 51900-1, *Testing of solid and liquid fuels - Determination of gross calorific value by the bomb calorimeter and calculation of net calorific value – Part 1 : Principles, apparatus, methods (Remark : Draft 06.1998 based on ISO 1928).*

DIN 51900-2, *Testing of solid and liquid fuels - Determination of the gross calorific value by the bomb calorimeter and calculation of net calorific value – Part 2 : Method using the isothermal water jacket calorimeter.*

DIN 53018-1, *Viscometry - Measurement of the dynamic viscosity of Newtonian fluids with Rotational Viscometers - Principles.*

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