

This is a preview of "ISO/TR 29662:2009". [Click here to purchase the full version from the ANSI store.](#)

First edition
2009-12-01

Petroleum products and other liquids — Guidance for flash point testing

*Produits pétroliers et autres liquides — Lignes directrices pour la
détermination du point d'éclair*



Reference number
ISO/TR 29662:2009(E)

© ISO 2009

This is a preview of "ISO/TR 29662:2009". [Click here to purchase the full version from the ANSI store.](#)

PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.



COPYRIGHT PROTECTED DOCUMENT

© ISO 2009

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

This is a preview of "ISO/TR 29662:2009". [Click here to purchase the full version from the ANSI store.](#)

Contents

Page

Foreword	iv
Introduction.....	v
1 Scope	1
2 Outline	1
3 Brief history	1
4 Flash and fire point, and sustained combustion and burning.....	2
5 Why flash point tests are required	2
6 Which flash point method should be used	2
7 Testing environment	5
8 Safety	5
9 Calibration and verification	6
10 Test samples	6
11 Instrumentation	7
12 Flash point testing effects	9
13 Test results	9
Annex A (informative) Major test methods used in specifications and regulations	11
Bibliography.....	12

This is a preview of "ISO/TR 29662:2009". [Click here to purchase the full version from the ANSI store.](#)

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.

In exceptional circumstances, when a technical committee has collected data of a different kind from that which is normally published as an International Standard ("state of the art", for example), it may decide by a simple majority vote of its participating members to publish a Technical Report. A Technical Report is entirely informative in nature and does not have to be reviewed until the data it provides are considered to be no longer valid or useful.

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/TR 29662 was prepared by Technical Committee ISO/TC 28, *Petroleum products and lubricants*.

This is a preview of "ISO/TR 29662:2009". [Click here to purchase the full version from the ANSI store.](#)

Introduction

This Technical Report was written under the guidance and with the assistance of the ISO/TC 28/TC 35 (CEN/TC 19/TC 139) joint working group for flash point methods and the Energy Institute flammability panel ST B 4 with the aim of assisting laboratory managers and technicians, regulators, specification writers and industry in the use, specification and application of flash-point tests for liquids and semi-solids. It is technically identical to CEN/TR 15138:2005, prepared by Technical Committee CEN/TC 19.

The work is based on standards produced by the following organizations:

- ISO/TC 28, *Petroleum products and lubricants*;
- ISO/TC 35, *Paints and varnishes*;
- CEN/TC 19, *Gaseous and liquid fuels, lubricants and related products of petroleum, synthetic and biological origin*;
- CEN/TC 139, *Paints and varnishes*;
- ASTM D01.22, *Health and Safety*;
- ASTM D02.08 B, *Flammability Section*;
- DIN, *Deutsches Institut für Normung*;
- EI ST B 4, *Flammability Panel*.