
**Petroleum and related products —
Determination of wick flame persistence of
fire-resistant fluids**

*Pétrole et produits connexes — Détermination de la persistance d'une
flamme sur une mèche trempée dans un fluide difficilement inflammable*



Foreword

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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.

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WARNING – The use of this International Standard may involve hazardous materials, operations and equipment. This International Standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this International Standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

1 Scope

This International Standard specifies a method for the assessment of the persistence of a flame applied to the edge of a wick of non-flammable material immersed in fire-resistant fluid. The test relates to the bulk behaviour of a fluid, which may provide pertinent information for safe transportation and storage. This test does not ascertain the behaviour of a spray of fire-resistant fluid, for which ISO 15029 should be used. This International Standard establishes one of two basic measures of fire-resistance, and may be called up in regulations governing their use under the Luxembourg Report¹⁾. This International Standard does not apply to certain water-containing fluids or emulsions that do not adhere to the test board.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 3170:1988, *Petroleum liquids – Manual sampling*.

ISO 9162:1989, *Petroleum products – Fuels (class F) – Liquefied petroleum gases – Specifications*.

ISO 15029:—²⁾, *Petroleum products and related products – Determination of spray ignition characteristics of fire-resistant fluids*.

1) Safety and Health Commission for the Mining and other Extractive Industries, Doc. No. 4746/10/91 EN (for English version, FR for French version), April 1994, *Requirements and tests applicable to fire-resistant hydraulic fluids used for power transmissions and control (hydrostatic and hydrokinetic)*, available from the Commission of the European Communities, Directorate-General V, Unit V.F.4 "Extractive, Iron and Steel Industries", Bâtiment Jean Monnet, C4/65, L-2920 Luxembourg.

2) To be published as a multi-part standard.