INTERNATIONAL STANDARD

ISO 12156-2

Second edition
2007-02-01

Diesel fuel — Assessment of lubricity using the high-frequency reciprocating rig (HFRR) —

Part 2: **Limit**

Carburant diesel — Évaluation du pouvoir lubrifiant au banc alternatif à haute fréquence (HFRR) —

Partie 2: Limite

Reference number
ISO 12156-2:2007(E)

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

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Foreword

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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 12156-2 was prepared by a joint working group of Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 7, *Injection equipment and filters for use on road vehicles* and ISO/TC 28, *Petroleum products and lubricants*.

This second edition cancels and replaces the first edition (ISO 12156-2:1998), which has been technically revised.

ISO 12156 consists of the following parts, under the general title *Diesel fuel — Assessment of lubricity using the high-frequency reciprocating rig (HFRR)*:

— *Part 1: Test method*

— *Part 2: Limit*

Diesel fuel — Assessment of lubricity using the high-frequency reciprocating rig (HFRR) —

Part 2: **Limit**

1 Scope

This part of ISO 12156 specifies the performance requirement (limit) necessary to ensure reliable operation of diesel fuel injection equipment with respect to lubrication by fuel of such equipment.

It applies to fuels used in diesel engines.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 12156-1, *Diesel fuel — Assessment of lubricity using the high-frequency reciprocating rig (HFRR) – Part 1: Test method*

3 Test method

The test method for the assessment of diesel fuel lubricity to comply with the limit specified in this part of ISO 12156 shall be the method specified in ISO 12156-1.

4 Limit

The performance requirement (limit) for diesel fuel in compliance with this part of ISO 12156 shall be a wear scar diameter corrected to a standardized water vapour pressure of 1,4 kPa (WS1,4) not greater than 460 µm.

5 Designation

This part of ISO 12156 may be used to specify a lubricity requirement for a fuel for use in a diesel engine. This requirement shall be designated as follows:

Lubricity ISO 12156-2