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Mopeds — Measurement methods for gaseous exhaust emissions during inspection or maintenance

Mopeds — Méthode de mesure des émissions gazeuses au cours des inspections ou de la maintenance

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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.

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 22, *Road vehicles*, Subcommittee SC 38, *Motorcycles and mopeds*.

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Introduction

This International Standard specifies methods for the direct measurement of the concentration of gaseous exhaust emissions from mopeds during inspections, official roadside checks or maintenance. Although ISO 3929 specifies methods for the direct measurement of the concentration of gaseous exhaust emissions from road vehicles, this International Standard is the adaptation of ISO 3929 to comply with needs specific to mopeds.

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Mopeds — Measurement methods for gaseous exhaust emissions during inspection or maintenance

1 Scope

This International Standard specifies methods for the direct measurement of the concentration of gaseous exhaust emissions from mopeds as defined in ISO 3833 during inspection or maintenance. The results measured by this International Standard show the concentration of gaseous exhaust emissions in the no-load engine operating condition. It is applicable to mopeds having spark ignition engines (four-stroke engines or two-stroke engines). These methods can be used, either totally or partially, for

— periodic inspections in official garages,

— official roadside checks, and

— maintenance and diagnostic operations.

2 Normative references

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

ISO/PAS 3930[1)], *Instruments for measuring vehicle exhaust emissions — Metrological and technical requirements; Metrological control and performance tests*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1
idling condition
no-load operating condition of engine warmed up in accordance with 7.1 with

— no manual operation with fuel system controls (throttle, choke, etc.),

— the gear in neutral, and the manual clutch engaged for mopeds with the manual transmission,

— the parking condition for mopeds with the automatic transmission, and

— standard production equipment, accessories and optional equipment that modify the engine speed used in accordance with the manufacturer's recommendations or regulatory requirements

Note 1 to entry: Automatically operated headlamps are standard production equipment. There is a possibility that headlamp operation influences the test results of gaseous exhaust emissions.

3.2
idling speed
engine speed (range) specified by the manufacturer under the idling condition.

4 Instrumentation

The instruments listed below shall be prepared:

1) Joint ISO/OIML (International Organization of Legal Metrology) document.

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