INTERNATIONAL STANDARD

ISO 23671

Second edition
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Passenger car tyres — Method for measuring relative wet grip performance — Loaded new tyres

Pneumatiques pour voitures particulières — Méthode de mesure de l'adhérence relative sur revêtement mouillé — Pneumatiques neufs en charge

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Contents

Page

Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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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 31, *Tyres, rims and valves*, Subcommittee SC 3, *Passenger car tyres and rims*.

This second edition cancels and replaces the first edition (ISO 23671:2006), which has been technically revised.

Passenger car tyres — Method for measuring relative wet grip performance — Loaded new tyres

1 Scope

This International Standard specifies the method for measuring relative wet grip braking performance index to a reference under loaded conditions for new tyres for use on passenger cars on a wet-paved surface.

The methods developed are meant to reduce variability. The use of a reference tyre is necessary to limit the variability of the testing procedures.

This International Standard applies to all passenger car tyres.

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 4000-1, *Passenger car tyres and rims — Part 1: Tyres (metric series)*

ASTM E303-93 (Reapproved 2013), *Standard Test Method for Measuring Surface Frictional Properties Using the British Pendulum Tester*

ASTM E501-08, *Standard Specification for Standard Rib Tire for Pavement Skid-Resistance Tests*

ASTM E965-96 (Reapproved 2006), *Standard Test Method for Measuring Pavement Macro texture Depth Using a Volumetric Technique*

ASTM E1136-93 (Reapproved 2003), *Standard Specification for A Radial Standard Reference Test Tire*

ASTM F2493-08, *Standard Specification for P225/60R16 97S Radial Standard Reference Test Tire*

EN 13036-1, *Road and airfield surface characteristics — Test methods — Part 1: Measurement of pavement surface macrotexture depth using a volumetric patch technique*

3 Terms and definitions

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

3.1
test run
single pass of a loaded tyre over a given test surface

3.2
candidate tyre
<set> test tyre (set) that is part of an evaluation programme

3.3
reference tyre
<set> special test tyre (set) that is used as a benchmark in an evaluation programme

Note 1 to entry: These tyres usually have carefully controlled design features to minimize variation.

Note 2 to entry: See ASTM F2493-08 — P225/60R16.