

FINAL DRAFT International Standard

ISO/FDIS 15222

Truck and bus tyres — Method for measuring relative wet grip performance — Loaded new tyres

Pneumatiques pour camions et autobus — Méthode de mesure de l'adhérence relative sur revêtement mouillé — Pneumatiques neufs en charge

ISO/TC 31

Secretariat: ANSI

Voting begins on: **2025-09-05**

Voting terminates on: 2025-10-31

Document Preview

<u> ISO/FDIS 15222</u>

https://standards.iteh.ai/catalog/standards/iso/45b7eb53-ff3c-488a-b47c-b6d2b897edef/iso-fdis-15222

RECIPIENTS OF THIS DRAFT ARE INVITED TO SUBMIT, WITH THEIR COMMENTS, NOTIFICATION OF ANY RELEVANT PATENT RIGHTS OF WHICH THEY ARE AWARE AND TO PROVIDE SUPPORTING DOCUMENTATION.

IN ADDITION TO THEIR EVALUATION AS BEING ACCEPTABLE FOR INDUSTRIAL, TECHNOLOGICAL, COMMERCIAL AND USER PURPOSES, DRAFT INTERNATIONAL STANDARDS MAY ON OCCASION HAVE TO BE CONSIDERED IN THE LIGHT OF THEIR POTENTIAL TO BECOME STANDARDS TO WHICH REFERENCE MAY BE MADE IN NATIONAL REGULATIONS.

iTeh Standards (https://standards.iteh.ai) Document Preview

ISO/FDIS 15222

https://standards.iteh.ai/catalog/standards/iso/45b7eb53-ff3c-488a-b47c-b6d2b897edef/iso-fdis-15222



COPYRIGHT PROTECTED DOCUMENT

© ISO 2025

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office CP 401 • Ch. de Blandonnet 8 CH-1214 Vernier, Geneva Phone: +41 22 749 01 11 Email: copyright@iso.org

Website: www.iso.org
Published in Switzerland

Contents					
Fo	reword		v		
1	Scop	е	1		
2	Norn	native references	1		
3	Terms and definitions				
4		ods for measuring wet grip			
5		ral test conditions			
	5.1	Track characteristics			
		5.1.2 Standard reference test tyre method using SRTT16			
		5.1.3 Standard reference test tyre method using SRTT16C, SRTT19.5, SRTT22.5,			
		SRTT19.5 siped, SRTT22.5 siped	5		
	5.2	Wetting conditions			
	5.3 5.4	Atmospheric conditionsReference tyre			
_		•			
6	Meas 6.1	surement of tyre wet grip on a standard vehicle			
	6.2	Principles Equipment			
	0.2	6.2.1 Vehicle			
		6.2.2 Measuring equipment			
	6.3	Conditioning of the test track			
	6.4 6.5	Measurement requirements for test speed			
	0.3	6 5 1 Vehicle equipment			
		6.5.1 Vehicle equipment 6.5.2 Tyre preparation and break-in	8		
		6.5.3 Tyre load	8		
		6.5.4 Tyre inflation pressure			
	6.6 6.7	Procedures Processing of measurement results			
	0.7	6.7.1 Calculation of the braking force coefficient	9		
		16.7.2 Validation of results 5/150/45b/eb53-113c-488a-b4/c-b6d2b89/edef/iso-fdis-152	22210		
		6.7.3 Calculation of the adjusted braking force coefficients of the reference tyre			
	6.0	6.7.4 Calculation of the relative wet grip index of the tyre	11		
	6.8	Wet grip performance comparison between a candidate tyre and a reference tyre using a control tyre	12		
		6.8.1 General			
		6.8.2 Principle of the approach			
		6.8.3 Selection of a set of tyres as a control tyre set			
		6.8.4 Storage and preservation of control tyres			
		6.8.5 Replacement of control tyres			
7		method using a trailer or a tyre test vehicle	13		
	7.1 7.2	PrincipleApparatus			
	7.2	Instrumentation			
	710	7.3.1 General			
		7.3.2 General requirements for measurement system			
	7.4	Selection and preparation of test tyres			
	7.5	Preparation of the apparatus and the test track			
		7.5.2 Tyre test vehicle			
		7.5.3 Instrumentation and equipment			
		7.5.4 Conditioning of the track			
	7.6 7.7	General test conditions	16 16		
	, ,	1.100.500.15	in		

Rihlingranhy					
Annex A (informative) Example test reports of wet grip index					
	7.8.3	Calculation of the relative wet grip index of the tyre	.18		
	7.8.2	Validation of results	.17		
	7.8.1	General	.17		
7.8	Proces	sing of measurement results	.17		

iTeh Standards (https://standards.iteh.ai) Document Preview

<u>ISO/FDIS 15222</u>

https://standards.iteh.ai/catalog/standards/iso/45b7eb53-ff3c-488a-b47c-b6d2b897edef/iso-fdis-15222

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.

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 document 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).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at www.iso.org/patents. ISO shall not be held responsible for identifying any or all such patent rights.

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 31, Tyres, rims and valves.

This third edition cancels and replaces the second edition (ISO 15222:2021), which has been technically revised.

The main changes are as follows:

- addition of new reference tyres in Clauses <u>5.4</u>, <u>6.7.4</u>, <u>7.8.3</u>, and <u>Annex A</u>;
- revision of the track characterization method in Clause <u>5.1</u>.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.