### საქართველოს სტანდარტი

მიწის მთხრელი მანქანა-ბორბლებიანი ან მაღალი სიჩქარით რეზინის მუხლუხიანი მანქანები - პერფორმანსის მოთხოვნები და ტესტირების პროცედურები სამუხრუჭე სისტემებისათვის (ISO 3450:2011)

საქართველოს სტანდარტებისა და მეტროლოგიის ეროვნული სააგენტო თბილისი

#### სსტ ენ ისო 3450:2011/2016

#### საინფორმაციო მონაცემები

- 1 დამტკიცებულია და შემოღებულია სამოქმედოდ საქართველოს სტანდარტებისა და მეტროლოგიის ეროვნული სააგენტოს 2016 წლის 1 აპრილის  $\mathbb{N}^{\circ}$  26 და 2016 წლის 1 თებერვლის  $\mathbb{N}^{\circ}$  7 განკარგულებებით
- 2 მიღებულია გარეკანის თარგმნის მეთოდით სტანდარტიზაციის ევროპული კომიტეტის სტანდარტი ენ ისო 3450:2011 "მიწის მთხრელი მანქანა-ბორბლებიანი ან მაღალი სიჩქარით რეზინის მუხლუხიანი მანქანები პერფორმანსის მოთხოვნები და ტესტირების პროცედურები სამუხრუჭე სისტემებისათვის (ISO 3450:2011)"

#### 3 პირველად

**4 რეგისტრირებულია** საქართველოს სტანდარტებისა და მეტროლოგიის ეროვნული სააგენტოს რეესტრში: 2016 წლის 1 აპრილი №268-1.3-8503

## EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

**EN ISO 3450** 

November 2011

ICS 53.100

Supersedes EN ISO 3450:2008

#### **English Version**

#### Earth-moving machinery - Wheeled or high-speed rubbertracked machines - Performance requirements and test procedures for brake systems (ISO 3450:2011)

Engins de terrassement - Engins sur pneumatiques ou sur chenilles caoutchouc à grande vitesse - Exigences de performance et modes opératoires d'essai des systèmes de freinage (ISO 3450:2011)

Erdbaumaschinen - Maschinen auf Rädern oder schnelllaufende gummigleiskettenbereifte Maschinen -Anforderungen und Prüfungen für Bremssysteme (ISO 3450:2011)

This European Standard was approved by CEN on 15 October 2011.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

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EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: Avenue Marnix 17, B-1000 Brussels

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#### **Foreword**

This document (EN ISO 3450:2011) has been prepared by Technical Committee ISO/TC 127 "Earth-moving machinery" in collaboration with Technical Committee CEN/TC 151 "Construction equipment and building material machines - Safety" the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by May 2012, and conflicting national standards shall be withdrawn at the latest by May 2012.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 3450:2008.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive, see informative Annex ZA, which is an integral part of this document.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

#### **Endorsement notice**

The text of ISO 3450:2011 has been approved by CEN as a EN ISO 3450:2011 without any modification.

## Annex ZA

(informative)

# Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association to provide one means of conforming to Essential Requirements of the New Approach Directive 2006/42/EC on machinery.

Once this standard is cited in the Official Journal of the European Union under that Directive and has been implemented as a national standard in at least one Member State, compliance with the normative clauses of this standard confers, within the limits of the scope of this standard, a presumption of conformity with the relevant Essential Requirements of that Directive and associated EFTA regulations.

WARNING — Other requirements and other EU Directives may be applicable to the product(s) falling within the scope of this Standard.

# INTERNATIONAL STANDARD

**ISO** 3450

Fourth edition 2011-11-01

# Earth-moving machinery — Wheeled or high-speed rubber-tracked machines — Performance requirements and test procedures for brake systems

Engins de terrassement — Engins sur pneumatiques ou sur chenilles en caoutchouc à grande vitesse — Exigences de performance et modes opératoires d'essai des systèmes de freinage





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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.

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.

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ISO 3450 was prepared by Technical Committee ISO/TC 127, *Earth-moving machinery*, Subcommittee SC 2, *Safety, ergonomics and general requirements*.

This fourth edition cancels and replaces the third edition (ISO 3450:1996), which has been technically revised.