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Chain saws

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Chain saws

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Preface

This is the sixth edition of CSA Z62.1, *Chain saws*. It supersedes the previous editions, published in 2011, 2003, 1995, 1985, and 1977.

Revisions to this Standard have been made to enhance the safety of chain saws, including the following:

a) new IEC, ISO, and USDA Standards are referenced, and the text of this Standard has been harmonized with International Standards where appropriate;
b) chain saw sound pressure level limits (Clause 6.9) were clarified;
c) the test method for longitudinal balance, Clause 7.4.1, was modified for Class 1B and 2B saws, and harmonized with ISO 8334;
d) the test method for determining the vibration level for Type 2 saws was clarified in Clause 7.5;
e) two additional chain saw marking requirements were added; and
f) various other editorial changes were made to enhance clarity of meaning throughout the Standard.

The effective implementation date of this Standard is expected to be two (2) years from the date of publication; this would apply to all products built after that date. Manufacturers may also bring their products into compliance with this Standard any time after the publication date.

This Standard is considered suitable for use for conformity assessment within the stated scope of the Standard.

CSA Group gratefully acknowledges the financial and in-kind support from Andreas STIHL AG, Blount Inc., Husqvarna AB, MTD Southwest Inc., and the Canadian government departments responsible for occupational health and safety for the development of this edition.

This Standard was prepared by the Technical Committee on Manually Portable Power Saws and Power Cutters, under the jurisdiction of the Strategic Steering Committee on Occupational Health and Safety, and has been formally approved by the Technical Committee.

Notes:

1) *Use of the singular does not exclude the plural (and vice versa) when the sense allows.*
2) *Although the intended primary application of this Standard is stated in its Scope, it is important to note that it remains the responsibility of the users of the Standard to judge its suitability for their particular purpose.*
3) *This Standard was developed by consensus, which is defined by* CSA Policy governing standardization — Code of good practice for standardization *as "substantial agreement. Consensus implies much more than a simple majority, but not necessarily unanimity". It is consistent with this definition that a member may be included in the Technical Committee list and yet not be in full agreement with all clauses of this Standard.*
4) *To submit a request for interpretation of this Standard, please send the following information to* ***inquiries@csagroup.org*** *and include "Request for interpretation" in the subject line:*
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   b) *provide an explanation of circumstances surrounding the actual field condition; and*
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   Committee interpretations are processed in accordance with the CSA Directives and guidelines governing standardization *and are available on the* Current Standards Activities *page at* ***standardsactivities.csa.ca***.
5) *This Standard is subject to review five years from the date of publication. Suggestions for its improvement will be referred to the appropriate committee. To submit a proposal for change, please send the following information to* ***inquiries@csagroup.org*** *and include "Proposal for change" in the subject line:*
   a) *Standard designation (number);*
   b) *relevant clause, table, and/or figure number;*
   c) *wording of the proposed change; and*
   d) *rationale for the change.*

Z62.1-15
Chain saws

1 Scope

1.1
This Standard applies to portable, handheld, fuel- and electrically powered chain saws intended for forestry and other wood-cutting applications. It describes safety and environmental requirements for the design of chain saws and includes recommendations pertaining to their safe operation.

1.2
In addition to the applicable requirements of this Standard, the requirements of CSA Z62.3 apply to all chain saws, as well as to replacement chains. The requirements specified in CAN/CSA-C22.2 No. 147 apply to electrically powered (Type 2) chain saws.

1.3
Electrically powered chain saws intended for general use by homeowners, cottagers, campers, etc., and for general applications such as clearing, pruning, and cutting firewood ("consumer saws" formerly identified as Class 2C saws) are no longer addressed in this Standard. Refer to CAN/CSA-C22.2 No. 60745-2-13 for these chain saw products.

1.4
In this Standard, "shall" is used to express a requirement, i.e., a provision that the user is obliged to satisfy in order to comply with the standard; "should" is used to express a recommendation or that which is advised but not required; and "may" is used to express an option or that which is permissible within the limits of the standard.

Notes accompanying clauses do not include requirements or alternative requirements; the purpose of a note accompanying a clause is to separate from the text explanatory or informative material.

Notes to tables and figures are considered part of the table or figure and may be written as requirements.

Annexes are designated normative (mandatory) or informative (non-mandatory) to define their application.

1.5
The values given in SI units are the units of record for the purposes of this Standard. The values given in parentheses are for information and comparison only.

2 Reference publications
This Standard refers to the following publications, and where such reference is made, it shall be to the edition listed below, including all amendments published thereto.

