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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 19726.1-2020

Replacing GB 19726.1-2013

**Machinery for forestry - Portable chain-saw safety requirements
and testing - Part 1: Chainsaws for forest service**

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Standardization Administration**

Table of Contents

Foreword

1 .2015, IDT)

13772 .2009, IDT)

1 Scope

2 Normative references

Foreword

GB/T 19726 "Safety Requirements and Tests of Portable Chainsaws for Forestry Machinery" is divided into the following two parts.

--- Part 1. Forest saws;

--- Part 2. Pruning chainsaw.

This part is part 1 of GB/T 19726.

This section was drafted in accordance with the rules given in GB/T 1.1-2009.

This section replaces GB 19726.1-2013 "Forestry Machinery Portable Chainsaw Safety Requirements and Tests Part 1. Forest Chainsaw".

Compared with GB 19726.1-2013, the main technical content has not changed.

The translation method used in this part is equivalent to ISO 11681-1:2011 "Safety Requirements and Tests for Portable Chainsaws for Forestry Machinery Part 1"

Points. Forest Chainsaw. "

The documents in China that have a consistent correspondence with the normatively cited international documents in this section are as follows.

--- GB/T 5390-2013 Forestry and garden machinery specification for noise measurement of portable handheld operating machinery powered by internal combustion engine

Engineering method (level 2 accuracy) (ISO 22868:2011, IDT)

--- GB/T 5395-2014 Forestry and garden machinery vibration measurement specification for portable handheld operating machinery powered by internal combustion engine

Handle vibration (ISO 22867:2011, IDT)

--- GB/T 15706-2012 General principles of machinery safety design risk assessment and risk reduction (ISO 12100:2010, IDT)

--- GB/T 16855.1-2018 Safety related parts of machinery safety control system Part 1. General rules for design (ISO 13849-

1 .2015, IDT)

--- GB/T 16855.2-2015 Safety related parts of machinery safety control system Part 2. Confirmation (ISO 13849-2.

2012, IDT)

--- GB/T 18960-2012 Forestry machinery portable chain saw vocabulary (ISO 6531..2008, IDT)

--- GB/T 20456-2012 Forestry machinery portable chain saw passive chain brake performance requirements and test methods (ISO

13772 .2009, IDT)

--- GB/T 21398-2008 Agricultural and forestry machinery electromagnetic compatibility test methods and acceptance rules (ISO 14982..1998, IDT)

--- LY/T 1166-2015 Forestry machinery portable chain saw hand guard mechanical strength (ISO 6534..2007, IDT)

--- LY/T 1167-2014 Forestry machinery portable chain saw front hand guard size and clearance (ISO 6533..2012, IDT)

--- LY/T 1346-2011 Forestry machinery portable chain saw balance and maximum grip torque determination (ISO 8334..2007,

IDT)

--- LY/T 1347-1999 Forestry machinery chain saw handle strength determination (idtISO 7915..1991)

--- LY/T 1348-2015 Forestry machinery portable chain saw handle minimum clearance and size (ISO 7914..2002, IDT)

--- LY/T 1578-2000 size and mechanical strength of portable chain saw stop pin (eqvISO 10726..1992)

--- LY/T 1593-2001 Portable chain saw engine performance and fuel consumption (eqvISO 7293..1997)

--- LY/T 2725-2016 Forestry machinery portable chain saw rebound test (ISO 9518..1998, MOD)

--- LY/T 2890-2017 Portable chain saw chain brake performance test method (ISO 6535..2015, IDT)

Please note that some content of this document may involve patents. The issuer of this document does not assume responsibility for identifying these patents.

This part is proposed by the State Forestry and Grassland Bureau.

This part is under the jurisdiction of the National Forestry Machinery Standardization Technical Committee (SAC/TC61).

This section was drafted by. Zhejiang Yusen Bailian Tools Co., Ltd., Zhejiang Yate Electric Co., Ltd., Zhejiang Zhongma Garden Machinery Co., Ltd.

Limited company, Zhejiang Zhongjian Technology Co., Ltd., Ningbo Daye Garden Equipment Co., Ltd., Zhejiang Pineil Technology Co., Ltd.,

Zhejiang Sanfeng Industrial Co., Ltd., Jiangsu Linhai Power Machinery Group Co., Ltd., Harbin Forestry Machinery Research Institute of State Forestry and Grassland Bureau

Research Institute.

1 Scope

This part of GB/T 19726 specifies the design and structure of portable forest saws powered by internal combustion engines (hereinafter referred to as forest saws)

The safety requirements and test methods of the structure. This section applies to the safety requirements in the operating instructions that have been read and understood, while enabling

Use the correct personal protective equipment (PPE), the right hand to operate the rear handle, the left hand to operate the front handle, and the single-handed handheld forest saw. this

The section gives methods for eliminating or reducing various hazards generated when using forest saws, and stipulates the relevant safety provided by the manufacturer

Operational information requirements.

This section gives all serious hazards related to forest saws during normal use and reasonable and predictable misuse, but not including

Including the damage caused by rebound or balance in forest saws with engine displacement above 80cm³.

Note. Appendix A lists a list of serious hazards.

This section only applies to forest saws produced after its implementation.

2 Normative references

The following documents are essential for the application of this document. For dated

references, only the dated version applies to this article

Pieces. For the cited documents without date, the latest version (including all amendments) applies to this document.

GB/T 23821-2009 Safety of machinery to prevent the upper and lower limbs from reaching the safe distance of the hazardous area (ISO 13857..2008, IDT)

ISO 6531..2008 Forestry machinery portable chain saw vocabulary
(Machineryforforestry-Portablechain-saws-

Vocabulary)

ISO 6533 size and clearance of front hand guard of chain saw
(Forestrymachinery-Portablechain-sawfronthand-

guard-Dimensionsandclearances)

ISO 6534 Forestry Machinery Portable Chainsaw Handguard Mechanical Strength
(Forestrymachinery-Portablechain-saw

handguards-Mechanicalstrength)

ISO 6535 portable chain saw chain brake performance
(Portablechain-saws-Chainbrakeperformance)

ISO 7293 Forestry machinery portable chain saw engine performance and fuel
consumption (Forestrymachinery-Portable

chain-saws-Engineperformanceandfuelconsumption)

ISO 7914 Forestry machinery portable chain saw handle minimum clearance and size
(Forestrymachinery-Portablechain-

saws-Minimumhandleclearanceandsizes)

ISO 7915 Determination of the strength of forestry machinery chainsaw handlebars
(Forestrymachinery-Portablechain-saws-De-

terminationofhandlestrength)

ISO 8334 Forestry machinery portable chain saw balance determination
(Forestrymachinery-Portablechain-saws-De-

terminationofbalanceandmaximumholdingmoment)

ISO 9518 Forestry machinery portable chain saw rebound test
(Forestrymachinery-Portablechain-saws-Kick-

backtest)

ISO 10726 size and mechanical strength of portable chain saw chain stop