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

GB/T 14176-2012

Replacing GB/T 14177-2003

**Forestry machinery - Gasoline powered portable brush cutters
and grass trimmers**

林业机械 以汽油机为动力的便携式割灌机和割草机

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Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules. This standard replaces GB/T 14176-2003 "forestry machinery - Portable brush cutters and lawn mowers technical conditions", GB/T 14177- 2003 "Forestry machinery - Portable brush cutters and grass trimmers - Test methods" and GB/T 14176-2003, GB/T 14177-2003 phase Technology than the main changes are as follows:

--- Modify the requirements for supporting the gasoline engine. provides supporting gasoline should meet the JB/T 5135.3 requirements (see 4.2, GB/T 14176- 2003, 3.4);

- Modify the idling performance requirements. consider the case directly connected to the mower; increased abruptly decreases throttle case (see 4.3.2, GB/T 14176- 2003 3.3.3);
- Modify the idling speed stability requirements. the maximum no-load steady speed calibration modify the highest no-load steady speed (see 4.3.4, GB/T 14176-2003 in 3.3.4);
- Modified clutch engagement rotational speed requirements. Removed engagement rotational speed tolerance requirements (see 4.4.1, GB/T 14176- 2003 3.5.1);
- Modify the requirements for reliability. the average time between failures for the first time to modify the working time before failure (see 4.6, GB/T 14176- 2003, 3.7);
- Modify the starter rope to pull the hand back times. from 1000 to 10000 times (see 4.4.4, GB/T 14176-2003 in 3.7.2);
- Removed clutch life requirements (GB/T 14176-2003 in 3.7.3);
- Remove the production test requirements (GB/T 14176-2003 in 3.7.5);
- Remove the cutters and mower cutting efficiency and cutting fuel consumption requirements (GB/T 14176-2003 in 3.3.5);
- Increased idle speed rollover performance requirements (see 4.3.3);
- Increasing the GB 19728-2005 "Forestry machinery backpack brush cutters and grass trimmers - Safety requirements and testing" security requirements Terms and Conditions (see 4.5.2);
- Increasing the durability requirements (see 4.6);
- Increased brush cutters and lawn mowers appearance requirements (see 4.7);

1 Scope

GB/T 14176-2012 is the Chinese national standard on forestry machinery - gasoline powered portable brush cutters and grass trimmers, in the field of agriculture. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 11 May 2012 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 October 2012. Classification: ICS 65.060.80, CCS B95. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the gasoline engine-powered portable brush cutters and lawn

mowers terms and definitions, technical requirements, test methods, inspection Rules, signs, instructions, packaging, transport and storage. This standard applies to gasoline-powered portable brush cutters and lawn mowers, other internal combustion engine driven brush cutters and lawn mowers Referring also to use.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 191 Packaging - Pictorial signs

GB/T 4269.5 Portable forestry machinery - Symbols for operator controls and other markings

GB/T 5390 forestry machinery - Portable power machinery noise test code - Engineering method (Grade 2 accuracy)

GB/T 5395 forestry machinery and power machinery vibration test code for portable hand vibration

GB/T 9480 Tractors and machinery for agriculture and forestry, powered lawn and garden machinery manuals -

GB 10396 agricultural and forestry tractors and machinery, lawn and garden equipment - Safety signs and hazard pictorials - General principles

GB/T 13264 percent nonconforming small batch count sampling procedures and sample forms

GB/T 18961-2003 forestry machinery cutters and mower vocabulary

GB 19724 Forestry machinery - Portable chain saws and brush cutters - Exhaust system - caused fire risk

GB 19725 Forestry machinery - Portable brush cutters and grass trimmers - Safety requirements

GB 19728-2005 forestry machinery backpack brush cutters and grass trimmers - Safety requirements and testing

JB/T 5135.1 Universal Small Gasoline Engine Performance test methods

JB/T 5135.3 Universal Small Gasoline technical conditions

3 Terms and Definitions

GB/T 18961 and defined by the following terms and definitions apply to this document. For

ease of use, repeat the following list of GB/T 18961 Some of the terms and definitions.

3.1 Brush cutter brush-cutter Equipped by the blades made of plastic or metal, by rotating blade to cut bushes, weeds, trees or purpose machines. [GB/T 18961-2003, the definition 3.2.1]

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