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

GB/T 46647-2025

**Manually portable forest machinery - Recyclability and
recoverability - Calculation method**

便携式林业机械 可循环再利用性和可回收再利用性 计算方法

(English Translation)

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents".

This document adopts ISO 17314:2008 "Calculation of recyclability and reusability of portable forestry machinery". method". This document adds a chapter on "Normative References".

The following minimal editorial changes have been made to this document.

---Added a reference to informative Appendix A (see note in 5.3.2) to comply with standard writing requirements.

1 Scope

This document describes the calculation method for the recyclability and reusability of portable forestry machinery (hereinafter referred to as "machinery").

The method is expressed as a percentage of the mechanical mass (mass fraction percentage).

When a machine is first put on the market, this calculation can be performed by its manufacturer. Liquids are not included in the calculation.

2 Normative references

This document has no normative references.

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 Reuse

The operation of reusing parts from scrapped machinery for their original design purpose. [Source: ISO 22628:2002, 3.2, modified]

Note: See Figure 1.

3.2 Recycling

The waste materials are reprocessed to meet their original or other uses, excluding processes that generate energy from them. [Source: ISO 22628:2002, 3.3]

Note: See Figure 1.

3.3 Recycling and reuse recovery

Waste materials are reprocessed to meet their original or other uses, including processes that generate energy from them. [Source: ISO 22628:2002, 3.4]

Note: See Figure 1.

3.4 Disassemblability

The possibility that parts can be mechanically disassembled. [Source: ISO 22628:2002, 3.5, modified]

3.5 Reusability

The ability to adapt components from obsolescence to reuse. [Source: ISO 22628:2002, 3.6]