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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/Z 40869-2021

Classification and code of waste motor

废电机分类及代码

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part

1.Structure and Drafting Rules of Standardization Documents" Drafting. This document was proposed and managed by the National Standardization Technical Committee on Product Recycling and Management (SAC/TC415). Drafting organizations of this document. China National Institute of Standardization, Tonglian Business Consulting (Shanghai) Co., Ltd., Yunnan Copper Technology Development Co., Ltd. The company, Tianjin University of Technology, People's Government of Yangmiao Town, Hanjiang District, Yangzhou City, Zhejiang Dehong Automobile Electronics Co., Ltd. The main drafters of this document. Gao Dongfeng, Gao Yanxin, Ding Shuang, Zhang Rui, Zhou Sheng, Lin Ling, Zhu Yi, Yang Xu, Hu Biao, Liang Dong, Wang Gen, Wang Jun, Huang Zhen, Hu Pixue. Waste motor classification and code

1 Scope

GB/Z 40869-2021 is the Chinese national standard on classification and code of waste motor, in the field of environment and health protection, safety. The /Z suffix marks it as a guiding technical document: it does not prescribe requirements that can be certified against, but sets out the technique, the method or the state of the art that the standards bodies recommend following. It was issued on 26 November 2021 by the State Administration for Market Regulation; Standardization Administration of China. As a guiding technical document it carries no separate date of entry into force: it applies from publication. Classification: ICS 13.020.10, CCS Z04. 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 document specifies the classification and classification methods, coding rules and

code structure, classification and codes, classification quality requirements and inspection methods for waste motors. This document is applicable to the recycling and management of waste motors.

2 Normative references

The content of the following documents constitutes an indispensable clause of this document through normative references in the text. Among them, dated quotations Only the version corresponding to the date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to This document.

GB/T 27610-2020 Waste resource classification and code

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 Wastemotor Motors or generators that have lost their original value or have been abandoned or abandoned although they have not lost their use value.

3.2 Carried-waste Other substances mixed into waste motors during production, collection, packaging and transportation.

Note. Inclusions do not include waste motor packaging and other materials that need to be used during transportation.

4 Classification and classification methods

4.1 According to the type and structure of the motor, waste motors are divided into waste asynchronous (induction) motors, waste synchronous motors, waste DC motors (including permanent magnet DC motors). Motors and brushless DC motors), waste single-phase series motors, waste stepper motors and other types of waste motors in 6 categories; divided by power 12 sub-categories; sequence codes are given according to the composition of parts.

4.2 Appearance grading quality requirements are given based on the integrity and repairability of the waste motor. See Chapter 7 for specific grading indicators.

5 Coding rules and code structure

5.1 According to the classification (see 4.1) and classification (see 4.2) methods of waste motors, the classification code is composed of ten Arabic numerals. the first four digits The Raber number is the major category code, according to the code of the waste motor in GB/T 27610-2020 (code 1110); the fifth digit is the middle category sequence code, and the The code numbers 1, 2, 3, 4, 5, and 9 represent waste asynchronous (induction) motors,

waste synchronous motors, waste DC motors (including permanent magnet DC motors). And brushless DC motors), waste single-phase series motors, waste stepper motors and other types of waste motors; the sixth and seventh digits are the sub-class sequence codes, see GB 18613-2020 energy efficiency rating, code 01-99 represents the power size classification; the eighth and ninth digits are the sequence codes of the main components of the motor, refer to