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

GB/T 30751-2026

Replacing GB/T 30751-2014

**Building construction machinery and equipment - Mobile
crushers - Safety requirements**

建筑施工机械与设备 移动式破碎机 安全要求

(English Translation)

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Foreword

This document conforms to GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents".

Drafting is scheduled.

This document supersedes GB/T 30751-2014 "Safety Requirements for Mobile Crushers in Construction Machinery and Equipment", and is consistent with GB/T 30751-Compared to 2014, aside from structural adjustments and editorial changes, the main technical changes are as follows.

- a) The scope has been changed (see Chapter 1, Chapter 1 of the 2014 edition);
- b) The general principles related to risk assessment have been deleted (see 4.1 in the 2014 edition).
- d) The operator field of view requirement has been removed (see 4.4.1 in the 2014 version).
- e) The requirements for operating controls and indicators have been changed (see 4.5, 2014 edition of 4.5).
- f) The braking system requirements have been changed (see 4.7, 2014 edition of 4.7).
- g) Added design requirements for bypass devices (see 4.10.1);
- h) The requirements for warning devices have been changed (see 4.12, 2014 edition of 4.12).
- i) Increased sound pressure level requirements (see 4.14.3);

- j) The lifting and lashing requirements have been changed (see 4.16, 2014 version 4.16).
- k) Added requirements for electrical connections of auxiliary starting devices or power supplies, and electrical sockets for lighting (see 4.18.7, 4.18.8).
- l) Requirements for hydraulic hoses, support devices, etc. have been changed (see 4.19.3, 4.22.3, and 4.19.2 and 4.22.2 in the 2014 version).
- m) Safety sign requirements have been added (see 6.1).

This document is modified to adopt ISO 21873-2:2019 "Construction machinery and equipment - Mobile crushers - Part 2: Safety requirements".

And verification.

This document has undergone the following structural adjustments compared to ISO 21873-2:2019.

--The content of the three terms and definitions, including "crusher blockage" in Appendix C, has been moved to Chapter 3 (see Chapter 3);

--Regarding the braking system in section 4.7, "Self-propelled, truck-mounted, and semi-trailer-type mobile crushers shall be equipped with service, emergency, and parking brake systems." the "System" section has been adjusted to 4.7.1.1 to avoid suspended segments (see 4.7.1.1).

--Add a heading "4.15.4.1 General Requirements" to avoid hanging paragraphs. 4.15.4.2 and 4.15.4.3 correspond to ISO 21873-2 respectively.

4.15.4.1 and 4.15.4.2 of 2019 (see 4.15.4).

The technical differences between this document and ISO 21873-2:2019, and the reasons therefor, are as follows.

Increase operability.

- GB/T 15706 and GB/T 29009 have replaced ISO 12100, ISO 12100:2010, and ISO 21873-1 respectively (see GB/T 15706 and GB/T 29009).

Chapter 3, 4.1.2);

- ISO 2867 has been replaced by GB/T 17300 (see 4.2, 4.3.6, 4.22.2.1);

- ISO 12508 has been replaced by GB/T 17301 (see 4.3.4, 4.15.6);

- ISO 10968 has been replaced by GB/T 8595 (see 4.5.1.1, 4.5.6, 4.6);

- Replace GB/T 8595-2023, GB/T 21935, GB/T 8593.1, GB/T 8593.2, and GB/T 16855.1 respectively.

The standards adopted are ISO 10968:2004, ISO 6682, ISO 6405-1, ISO 6405-2, and ISO

13849-1 (see 4.5.1.1).

- ISO 13850 has been replaced by GB/T 16754 (see 4.5.2.1);
- ISO 10264 has been replaced by GB/T 22356 (see 4.5.3);
- ISO 15817 has been replaced by GB/T 25686 (see 4.5.6);
- ISO 6011 and IEC 60204-1 have been replaced by GB/T 25617 and GB/T 5226.1 respectively (see 4.5.7.2);
- ISO 3450 has been replaced by GB/T 21152 (see 4.7.1.3);
- ISO 10265 and ISO 17063 have been replaced by GB/T 19929 and GB/T 25609 respectively (see 4.7.1.5);
- ISO 9244 has been replaced by GB/T 20178 (see 4.11.1, 4.11.2.1, 4.12, 4.16.1.2, 4.16.2, 6.1.1).
- ISO 7731 has been replaced by GB/T 1251.1 (see 4.12);
- ISO 3744, ISO 3746, and ISO 9614-1 have been replaced by GB/T 3767, GB/T 3768, and GB/T 16404, respectively.

(See 4.14.2.1);

- ISO 11201 and ISO 11202 have been replaced by GB/T 17248.2 and GB/T 17248.3 respectively (see 4.14.3.1).
- ISO 13857 has been replaced by GB/T 23821 (see 4.15.3);
- ISO 14120 has been replaced by GB/T 8196 (see 4.15.4.1);
- ISO 15818 has been replaced by GB/T 43138 (see 4.16.1.1, 4.16.2).
- ISO 13766-1 and ISO 13766-2 have been replaced by GB/T 22359.1 and GB/T 22359.2 respectively (see 4.17);
- ISO 15998 has been replaced by GB/T 34353 (see 4.18.1.4);
- IEC 60529 has been replaced by GB/T 4208 (see 4.18.2);
- ISO 11862 has been replaced by GB/T 25616 (see 4.18.7);
- ISO 4413 has been replaced by GB/T 3766 (see 4.19.1);
- ISO 21507 has been replaced by GB/T 25608 (see 4.20.3);
- ISO 16528-1 and ISO 16528-2 have been replaced by GB/T 46150.1 and GB/T 46150.2 (see 4.20.5);
- ISO 3795 has been replaced by GB/T 20953 (see 4.21.1);
- ISO 2860 has been replaced by GB/T 17299 (see 4.22.1.2);