

ICS 53.100
CCS P97



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

GB/T 25694-2021

Replacing GB/T 25694-2010

Earth-moving machinery - Skid-steer loaders

土方机械 滑移转向装载机

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Standardization Administration of China**

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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" drafted: This document replaces GB/T 25694-2010 "Earth-moving Machinery Skid Steer Loaders": Compared with GB/T 25694-2010, except for the In addition to structural adjustments and editorial changes, the main technical changes are as follows:

- Changed normative references (see Chapter 2, Chapter 2 of the:2010 edition);
 - Added type and model (see 4:1, 4:2);
 - Delete the requirements for the installation dimensions of wheels and their spokes and hubs (see 7:1:9 of the:2010 edition);
 - Changed the performance requirements (see 5:2, 7:2 of the:2010 edition);
 - Increased safety, environmental protection and comfort requirements (see 5:3);
 - Changed the provisions for the determination of rated working load and ultimate tipping load, and the determination of the braking system of crawler skid steers (see 6:3, 6:7, 8:3, 8:7 of the:2010 edition);
 - Changed the content of factory inspection and type inspection (see 7:1, 7:2, Chapter 9 of the:2010 edition);
 - Changed the main parameter table (see Appendix A, Appendix A of the:2010 edition):
- Please note that some content of this document may be patented: The issuing agency of this document assumes no responsibility for identifying patents: This document is proposed by China Machinery Industry Federation: This document is under the jurisdiction of the National Earthmoving Machinery Standardization Technical Committee (SAC/TC334): This document is drafted by: Guangxi Liugong Machinery Co., Ltd., Tianjin Construction Machinery Research Institute Co., Ltd., XCMG Construction Machinery Co., Ltd:

Technology Branch, Hongyuan Seiko Wheel Co., Ltd., Sunward Intelligent Equipment Co., Ltd: The main drafters of this document: Wang Yan, Zhang Yu, Ma Guangrong, Chen Hanjie, Liu Liming, Zhou Jin: This document was first published in:2010 and this is the first revision: Earthmoving Machinery Skid Steer Loaders

1 Scope

GB/T 25694-2021 is the Chinese national standard on earth-moving machinery - skid-steer loaders, in the field of materials handling equipment. 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 31 December 2021 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 July 2022. Classification: ICS 53.100, CCS P97. 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, requirements, test methods, inspection rules, marking, packaging, transportation and storage of skid steer loaders: This document applies to the tire or crawler skid steer loader (hereinafter referred to as the skid steer) as defined in GB/T 8498:

2 Normative references

The contents of the following documents constitute essential provisions of this document through normative references in the text: Among them, dated citations documents, only the version corresponding to that date applies to this document; for undated references, the latest edition (including all amendments) applies to this document:

GB/T 3766 General rules and safety requirements for hydraulic transmission systems and their components

GB/T 7935 General Specifications for Hydraulic Components

GB/T 8419 Laboratory Evaluation of Earth-moving Machinery Driver's Seat Vibration

GB/T 8498 Earthmoving Machinery Basic Type Identification, Terms and Definitions

GB/T 8595 Earth-moving machinery driver's control device GB/T 10175:

1 Earth-moving machinery loaders and backhoe loaders - Part 1: Calculation and verification of rated working load tipping load Test method for calculated value of load GB/T 10175:

2 Earth-moving machinery loaders and backhoe loaders - Part 2: Breakout force and maximum lifting height lifting capacity testing method

GB/T 14039-2002 Hydraulic transmission oil solid particle pollution grade code

GB 16710 Earthmoving Machinery Noise Limit

GB/T 16936 Earth-moving machinery engine net power test specification

GB/T 16937 Earth-moving machinery driver's visual field test method and performance criteria

GB/T 17300 Earth-moving machinery channel device

GB/T 17771 Earthmoving Machinery Falling Object Protection Structure Laboratory Test and Performance Requirements