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

中华人民共和国机械行业标准

JB/T 5503-2004

Replace JB/T 5503-1991

Excavating digging arm loader

立爪挖掘装载机

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Foreword

JB/T 5503-1991 *Digging Arm Loader* is replaced by the standard.

This standard, in comparison with JB/T 5503—1991, have the main changes as follows:

- Standard name changed to *Excavating Digging Arm Loader*:
- Canceled LZT-150 and LZL-200 digging arm loader, increased with relevant requirements of LW-150 type, LWL-150 type, LWL-200 type and LWL-250 type underground excavating loader which has a similar structure and working mode:
- Increased three basic technical parameters of ground clearance, climbing ability and gauge in basic parameters table:
- Technical requirements were adjusted reasonably and appropriately, technical content was made larger complement, and for common requirements and different requirements of the digging arm loader series and excavating loader series were explicitly stipulated.
- Increased test methods of excavating loader:
- Added examination requirements and test methods in inspection items:
- Canceled the quality guarantee period.

This standard is proposed by China Machinery Industry Federation.

This standard is under the jurisdiction of the National Mining Machinery Standardization Technical Committee.

This standard is responsible for drafting units: Nanchang General Machinery Co., Ltd.

Main drafters of this standard are: Ye Guoyan, Yan Jianpeng, Jin Guoxing, Shu Weimin, Yang Xianli, Wei Pingjin, Hu Ye, Song Xinxin.

The issuances of previous versions of the standard replaced by this standard are as follows:

- JB/T 5503—1991.

Excavating digging arm loader

1 Scope

The Standard specifies product classification, technical requirements, test method, inspection rules and marking, packaging, transportation and storage of digging arm loader and underground excavating loader.

This standard applies to digging arm loader and underground excavating loader (hereinafter abbreviated as loader).

2 Normative References

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB/T 191 Packaging—Pictorial marking for handling of goods (GB 191-2000, eqv ISO 780: 1997)

GB/T 3766 Hydraulic fluid power--General rules relating to systems (GB/T 3766-2001, eqv ISO 4413: 1998)

GB 3836.1 Electrical apparatus for explosive gas atmospheres--Part 1: General requirements (GB 3836.1-2000, eqv IEC 60079-0:1998)

GB 3836.2 Electrical apparatus for explosive gas atmospheres--Part 2: Flameproof enclosure d (GB 3836.2-2000, eqv IEC 60079-1:1990)

GB/T 4064 General guide for designing of electrical equipment to satisfy safety requirements

GB/T 7935 Hydraulic fluid power—General requirements for hydraulic components

GB/T 8190.2 Reciprocating internal combustion engines--Exhaust emission measurement--Part 2: Measurement of gaseous and particulate exhaust emissions at site (GB/T 8190.2-1999, idt ISO 8178-2:1996)

GB/T 8190.4 Reciprocating internal combustion engines-Exhaust emission measurement-Part 4: Test cycles for different engine applications (GB/T 8190.4-1999, idt ISO 8178-4:1996)



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