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

JB/T 10694-2007

Acceptance specification for imported used excavators

进口二手挖掘机验收规范

(English Translation)

Issued on: January 25, 2007

Implemented on: July 1, 2007

**Issued by: Ministry of Industry and Information Technology of the
People's Republic of China**

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1 Scope

This standard specifies basic requirements, test methods, test rules and warranty period of imported used hydraulic excavator.

This standard applies import used hydraulic excavator below 90t (hereinafter referred to as excavator).

Excavator in this standard is excavator that possesses one of the following situations:

- still possess basic function and certain use value after being used;
- not being used but has been stored for a overlong time thus exceeding the warranty period or clear physical depreciation appears on the parts;
- assembled with new parts and used parts;
- after being repaired or renovated.

2 Normative References

The following normative documents contain provisions which, through reference in this text, constitute provisions of this standard. For dated references, subsequent amendments (excluding correction) to, or revisions of, any of these publications do not be applied. However, the parties whose enter into agreement according to these specifications are encouraged to research whether the latest editions of these references are applied or not. For undated references, the latest edition is applicable to this standard.

GB 5226.1 "Safety of Machinery-Electrical Equipment of Machines-Part 1: General Requirements" (GB 5226.1-2002, IEC60204-1: 2000, IDT)

GB/T 7586 "Testing Method of Hydraulic Excavators" (GB/7586-1996, neq JIS A8401: 1987)

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)

GB/T 8595 "Earth-moving Machinery-Operators Controls" (GB/T 8595-2001, eqv ISO 10968: 1995)

GB/T 9139.1 "Hydraulic Excavators-Classification"

GB/T 9139.2-1996 "Hydraulic Excavators-Technical Specifications"

GB 9656 "Safety Glazing Materials for Road Vehicles"

GB 16710.1 "Earth-moving Machinery-Noise Limits"

GB/T 16710.2 "Measurement of Exterior Noise Emitted by Earth-moving Machinery-Stationary Test Conditions"

GB/T 16710.3 "Measurement at the Operators Position of Noise Emitted by Earth-moving Machinery-Stationary Test Conditions"

GB/T 16710.4 "Measurement of Exterior Noise Emitted by Earth-moving Machinery-Dynamic Test Conditions" (GB/T 16710.4-1996, eqv ISO6395:1988)

GB/T 16710.5 "Measurement at the Operators Position of Noise Emitted by Earth-moving Machinery-Dynamic Test Conditions" (GB/T 16710.5-1996, eqv ISO 6396:1996)

GB/T 17771 "Earth-moving Machinery-Roll-over Protective Structures-Laboratory Tests and Performance Requirements" (GB/T 17771-1999, eqv ISO3449:1992)

GB/T 17922 "Earth-moving Machinery-Roll-over Protective Structures-Laboratory Tests and Performance Requirements" (GB/T 17922-1999, idt ISO347:1994)

GB/T 19929 "Earth-moving Machinery-Crawler Machines-Performance Requirements and Test Procedures for Braking Systems" (GB/T 19929-2005, ISO10265:1998, MOD)

GB/T 19930 "Earth-moving Machinery-Tip-Over Protection Structure (TOPS) for Compact Excavators-Laboratory Tests and Performance Requirements" (GB/T 19930-2005, ISO 12117:1997, MOD)

GB 20178 "Earth-moving Machinery-Safety Signs and Hazard Pictorials-General Principles" (GB 20178-2006, ISO 9244:1995, MOD)

GB/T 20418 "Earth-moving Machinery-Lighting Signalling and Marking Lights and Reflex-reflector Devices" (GB/T 20418-2006, ISO 12509:1995 MOD)

JB/T 4198.1 "Construction Machinery-Diesel Engine-Technical Specifications"

JB/T 4198.2 "Construction Machinery-Method of Performance Test for Diesel Engine"

JB 6030 "Construction Machinery-General Safety Technical Requirements"

JG/T 69 "Liquid Sample Extraction Method for Hydraulic Oil Tank"

JG/T 70 "Determination of Solid Particulate Contaminant in Fluids by the Microscope Counting Method"

JG/T 5035 "Solid Contamination Cleanliness Classes for Fluids in Construction Machinery and Equipment"

JG 5056 "Stability of Hydraulic Excavator-Safety Technical Requirements"

ISO 3450: 1996 "Earth-moving Machinery-Braking Systems of Rubber-tyred Machines-Systems and Performance Requirements and Test Procedures".

3.1.1

Manufacture life of excavator shall not exceed 5 years (Manufacture life is from production date to acceptance time).

3.1.2

The Excavator shall be provided with complete technical documents:

- a) Product quality certificate or relevant quality certificates;
- b) A foreign language original version and a Chinese version of the operation and maintenance manual;
- c) Parts manual;
- d) Packing list.

3.1.3

Equipment import agent shall provide guarantee commitment of the excavator; special tools shall be complete and in good condition.

3.1.4

The excavator shall be of neat appearance and complete paint; each parts shall be in good condition and tightly connected without defects.

3.1.5

Safety mark and danger diagram that arranged on products and compiled in the operation and maintenance manual shall meet the requirements of GB 20178.

3.1.6

The excavator shall be provided with product label, control indication sign and lubrication sketch map; the data and the diagram on them shall be complete and distinct.

3.1.7

Motor number and complete machine delivery number shall be in accordance with those specified in technical documents.

3.2 Environment conditions and working adaptability

The excavator shall meet the requirements of 3.2 in GB/T 9139.2-1996.

3.3.1

Starting and braking shall be reliable when the excavator is running at a gradient specified in GB/T 9139.1.

3.3.2

The excavator should be of flexible, accurate and reliable control. Operating force of the control device shall meet the requirements of GB/T 8595.

3.3.3

For excavator in idling, each oil cylinder and swing mechanism of working equipment shall be in normal operation, and each driving component shall be in harmonious movement without abnormal noise.

3.3.4

For excavator in normal operation, temperature rise of hydraulic oil shall not be larger than 40K.

3.3.5

Cleanness level of hydraulic oil solid particulate contaminant of the excavator shall not be larger than 19/16 of those specified in JG/T 5035.

3.3.6

After 3h of continuous working, each sealed part of the excavator shall not exhibit leakage.