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(JCMA/JSA)

**Earth-moving machinery—
Product identification numbering
systems**

ICS 53.100

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Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee, as the result of proposal for revision of Japanese Industrial Standard submitted by the Japan Construction Mechanization Association (JCMA)/the Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14. Consequently **JIS A 8313 : 1998** is replaced with this Standard.

This revision has been made based on **ISO 10261 : 2001** *Earth-moving machinery—Product identification numbering system* for the purposes of making easy to compare this Standard with International Standard; to prepare Japanese Industrial Standard conforming with International Standard; and to propose a draft of International Standard which is based on Japanese Industrial Standard.

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have technical properties. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

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Earth-moving machinery— Product identification numbering systems

Introduction This Japanese Industrial Standard has been prepared based on the second edition of **ISO 10261** *Earth-moving machinery—Product identification numbering system* published in 2001 without modifying the technical contents.

“Information” underlined with dots is the matters not stated in the original International Standard.

1 Scope This Standard specifies the requirements, structure and identification location of a product identification numbering system for earth-moving machinery as defined in **JIS A 8308**. It is not applicable to the identification of components and attachments.

Remarks : The International Standard corresponding to this Standard is as follows.

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21**.

ISO 10261 : 2001 *Earth-moving machinery—Product identification numbering system* (IDT)

Information : This Standard may also be applicable to moving construction machinery, as appropriate.

2 Normative reference The following standard contains provisions which, through reference in this Standard, constitute provisions of this Standard. The most recent edition of the standards (including amendment) indicated below shall be applied.

JIS A 8308 *Earth-moving machinery—Basic types—Vocabulary*

Remarks : **ISO 6165** : 1997 *Earth-moving machinery—Basic types—Vocabulary* is identical with the said standard.

3 Terms and definitions For the purposes of this Standard, the following terms and definitions apply.

3.1 product identification number (PIN) unique set of 17 alphanumeric characters assigned to a complete machine by the manufacturer for identification purposes

Note : The PIN consists of four fields as defined in **3.2** to **3.5**.

3.2 world manufacturer code (WMC) first field of the PIN, alphanumeric code designating the manufacturer of the machine

3.3 machine descriptor section (MDS) second field of the PIN, comprising information describing the machine

3.4 machine indicator section (MIS) last field of the PIN, distinguishing, in conjunction with the WMC and MDS, one machine from another by designation

3.5 check letter (CL) third field of the PIN, consisting of an alpha character in the ninth position based on a calculation of the remaining 16 characters in the PIN and determining its validity or assigned, non-calculated, alpha character

3.6 primary marking PIN placed on a machine in a visible location

3.7 concealed marking PIN, or derivative consisting of the MIS, placed on the machine in a concealed location

3.8 product label/plate means of displaying the PIN and machine details on the machine

3.9 field set of one to eight character positions reserved for specific information specified in 3.2 to 3.5

3.10 manufacturer individual, partnership or company responsible for ensuring the uniqueness of the PIN

Note : The manufacturer may be a single entity even when several factories produce the product.

4 General requirements

4.1 Characters in the PIN The primary marking on the machine and on the product label/plate shall consist of 17 characters on a single horizontal line without breaks or separations between the characters. There shall be no additional signs, letters or characters before or after the preceding and ensuing symbols specified in 4.2. Zero (0) shall be used in the first positions of a field whenever fewer than the required number of characters is used.

Example : In the MDS, for model "AF3", write 00AF3, not AF3.

4.2 Protection against adding characters An acceptable symbol shall immediately precede the first numeral or letter of the PIN and immediately follow the last numeral of the PIN.

The acceptable symbol shall be

- an asterisk (*),
- greater-than and less-than signs (> <),
- a corporate symbol, or
- a company logo.

Remarks : Instead of greater-than and less-than signs, angular brackets or similar "vee" symbols horizontally pointing inwards may be placed on either side of the PIN.

4.3 Allowed characters The following characters only shall be used in the PIN:

1234567890

ABCDEFGHIJKLMNOPQRSTUVWXYZ

Remarks : Characters conforming to **JIS X 9001** are recommended.