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**JIS Z 2320-2** : 2017

(JSNDI/JSA)

**Non-destructive testing—Magnetic  
particle testing—Part 2: Detection  
media**

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In the event of any doubts arising as to the contents,  
the original JIS is to be the final authority.

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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 Japanese Society for Non-Destructive Inspection (JSNDI)/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 Z 2320-2:2007** is replaced with this Standard.

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Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, applications for a patent after opening to the public or utility model rights. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, applications for a patent after opening to the public or utility model rights.

**JIS Z 2320** series consists of the following 3 parts under the general title “*Non-destructive testing—Magnetic particle testing*”:

*Part 1: General principles*

*Part 2: Detection media*

*Part 3: Equipment*

# Non-destructive testing—Magnetic particle testing—Part 2: Detection media

## Introduction

This Japanese Industrial Standard has been prepared based on **ISO 9934-2:2015**, Edition 2, with some modifications of the technical contents so that it is applicable in Japan.

The vertical lines on both sides and dotted underlines indicate addition to the corresponding International Standard. A list of modifications with the explanations is given in Annex JC.

## 1 Scope

This Standard specifies the significant properties of magnetic particle testing products (including detection media, magnetic particle, carrier liquid, contrast aid paints) and the methods for checking their properties.

NOTE : The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 9934-2:2015 *Non-destructive testing—Magnetic particle testing—Part 2: Detection media* (MOD)

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 21-1**.

## 2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS B 8313 *End suction centrifugal pumps*

JIS G 0415 *Steel and steel products—Inspection documents*

JIS G 4051 *Carbon steels for machine structural use*

JIS G 5501 *Grey iron castings*

JIS K 2203 *Kerosine*

JIS K 2246 *Rust preventive oils*

JIS K 2283 *Crude petroleum and petroleum products—Determination of kinematic viscosity and calculation of viscosity index from kinematic viscosity*

NOTE : Corresponding International Standard: ISO 3104 *Petroleum products—Transparent and opaque liquids—Determination of kinematic viscosity and calculation of dynamic viscosity* (MOD)

JIS K 2513 *Petroleum products—Corrosiveness to copper—Copper strip test*