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**JIS A 8340-3** : 2023

(JCMAJSA)

**Earth-moving machinery — Safety — Part 3:  
Requirements for loaders**

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In the event of any doubts arising as to the contents,  
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## Foreword

This Japanese Industrial Standard has been revised by the Minister of Health, Labour and Welfare and 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 Japan Construction Machinery and Construction Association (JCMA)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied *mutatis mutandis* pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (**JIS A 8340-3** : 2012), which has been technically revised.

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**JIS A 8340** series consists of the following 7 parts under the general title *Earth-moving machinery — Safety*—:

*Part 1: General requirements*

*Part 2: Requirements for dozers*

*Part 3: Requirements for loaders*

*Part 4: Requirements for hydraulic excavators*

*Part 5: Requirements for dumpers*

*Part 6: Requirements for cable excavators*

*Part 7: Requirements for graders*

# Earth-moving machinery — Safety — Part 3: Requirements for loaders

## Introduction

This Japanese Industrial Standard is a type-C standard (individual mechanical safety standard) as stated in **JIS B 9700**.

When requirements of this type-C standard are different from those which are stated in type-A or B standards, the requirements of this type-C standard take precedence over the requirements of type-A or B standards.

The machinery concerned and the extent to which hazards, hazardous situations or hazardous events are covered are indicated in the scope of this Standard.

This Standard has been prepared based on **ISO 20474-3** : 2017, Edition 2, with some modifications of the technical contents made based on local situations in Japan.

In this Standard, those subclauses and figures whose numbers are followed by capitalized Latin letters (A, B, C...), and Annex JA and Annex JB contain requirements not included in the corresponding International Standard. The dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JC.

## 1 Scope

This Standard gives the safety requirements specific to loaders as defined in **ISO 6165**.

This Standard is also applicable to derivative machinery of loaders; however, it is not applicable to snow removing machines (snow removing dozers) that are wheel loaders partially remodeled for snow removing purposes by providing snow ploughs, etc.

This Standard is intended to be used in conjunction with **JIS A 8340-1** : 2022, which specifies general safety requirements common to two or more earth-moving machine families. The specific requirements given in this Standard take precedence over the general requirements of **JIS A 8340-1** : 2022.

This Standard deals with all significant hazards, hazardous situations and events directly relevant to and inherent in the loaders when used as intended or under conditions of misuse reasonably foreseeable by the manufacturer. It specifies the appropriate technical measures for eliminating or reducing risks arising from relevant significant hazards, hazardous situations or events during commissioning, operation and maintenance.

This Standard is not applicable to machines manufactured before the date of its publication.

NOTE 1 Safety requirements for snow removing dozers are provided in **JIS A 8511**.

NOTE 2 Loaders intended to travel on public roads are required to comply with road-traffic related laws and regulations stipulated by national and local