AS ISO 9244:2020
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Earth-moving machinery — Machine safety labels — General principles

AS ISO 9244:2020

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Construction and Mining Equipment Industry Group
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Minerals Council of Australia
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Earth-moving machinery — Machine safety labels — General principles

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Preface

This Standard was prepared by the Standards Australia Committee ME-063, Earthmoving Equipment.

The objective of this document is to establish general principles and give requirements for the design and application of machine safety labels to be permanently affixed to earth-moving machinery as defined in ISO 6165.

This document outlines the objectives of signage, describes basic formats, specifies colours and provides guidance on developing the various panels that together constitute a label.

This document is identical with, and has been reproduced from, ISO 9244:2008, *Earth-moving machinery — Machine safety labels — General principles,* and its Amendment No. 1 (2016), which has been added at the end of the source text.

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 9244 was prepared by Technical Committee ISO/TC 127, *Earth-moving machinery*, *Subcommittee SC 2*, *Safety requirements and human factors*.

This second edition cancels and replaces the first edition (ISO 9244:1995), which has been technically revised.

Introduction

The purpose of this International Standard is to provide, for earth-moving machinery, general principles for the design and application of machine safety labels to alert persons to a hazard, describe the nature of that hazard, describe the consequences of potential injury from it, and instruct persons on how to avoid it. The continued growth in international trade and commerce has made it necessary to establish a universal communication method for conveying safety information.

This International Standard satisfies the global need to harmonize the system for conveying safety information using graphical means so that it relies as little as possible on the use of text messages. Machine safety labels that include text can be used when some of the necessary safety information cannot be communicated in graphical form.

Education is an essential part of any system that provides safety information. Although safety colours and signs are essential to any safety information system, they can be used only to supplement job site management practices such as proper working methods, instructions, accident prevention measures and training.

NOTES

Australian Standard®

Earth-moving machinery — Machine safety labels — General principles

1 Scope

This International Standard establishes general principles and gives requirements for the design and application of machine safety labels to be permanently affixed to earth-moving machinery as defined in ISO 6165. It outlines the objectives of signage, describes basic formats, specifies colours and provides guidance on developing the various panels that together constitute a label.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 6165, *Earth-moving machinery - Basic types - Identification and terms and definitions*

ISO 6750, *Earth-moving machinery - Operator's manual - Content and format*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1
border
area between the edge of a sign and the panel

3.2
CAUTION
signal word used to indicate a potentially hazardous situation which, if not avoided, may result in minor or moderate injury

[SOURCE: ISO 3864-2]

3.3
combination machine safety label
combination of machine safety sign and/or supplementary safety information and/or hazard severity panel on one rectangular label

Note 1 to entry: A combination machine safety label conveys one safety message.

Note 2 to entry: Adapted from ISO 3864-2:2004, definition 3.2.

3.4
DANGER
signal word used to indicate an imminently hazardous situation which, if not avoided, will result in death or serious injury

[SOURCE: ISO 3864-2]

3.5
graphical symbol
visually perceptible figure with a particular meaning, used to transmit information independently of language