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Third edition
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Non-destructive testing — Penetrant testing and magnetic particle testing — Viewing conditions

Essais non destructifs — Contrôles par ressuage et contrôles par magnétoscopie — Moyens de vérification des conditions d'observation



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Foreword

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ISO 3059 was prepared by the European Committee for Standardization (CEN) Technical Committee CEN/TC 138, *Non-destructive testing*, in collaboration with ISO Technical Committee ISO/TC 135, *Non-destructive testing*, Subcommittee SC 2, *Surface methods*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This third edition cancels and replaces the second edition (ISO 3059:2001) which has been technically revised.

Changes from the second edition include:

- updating of the normative references;
- addition of a terms and definitions clause;
- review of requirements for colour contrast and fluorescent techniques;
- reduction of verification period of irradiation and illuminance meters to 12 months;
- an editorial review of the text.

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Introduction

Both penetrant and magnetic particle testing require controlled conditions for viewing indications, e.g.:

- adequate white light to achieve reliable testing with colour contrast techniques;
- adequate UV-A irradiance with minimal light for fluorescent systems.