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Non-destructive testing — Magnetic particle testing — Vocabulary

Essais non destructifs — Magnétoscopie — Vocabulaire

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Foreword

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ISO 12707 was prepared by the European Committee for Standardization (CEN) Technical Committee CEN/TC 138, *Non-destructive testing*, in collaboration with ISO Technical Committee TC 135, *Non-destructive testing*, Subcommittee SC 2, *Surface methods*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

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Non-destructive testing — Magnetic particle testing — Vocabulary

1 Scope

This International Standard defines general terms specifically associated with magnetic particle testing.

2 Terms and definitions

2.1
adjacent conductor technique
magnetization using a bar or cable close to, but isolated from the test surface

2.2
ampere turns
product of the number of turns of a coil and the current in amperes flowing through the coil

2.3
arcing strike
poor electrical contact causing burn damage

2.4
carrier liquid
liquid in which the *magnetic particles* (2.30) are suspended for the wet technique

2.5
central conductor
threaded conductor positioned in the centre of an aperture of the component

2.6
circular magnetization
continuous lines of force within a test piece produced by current flow or a conductor surrounded by the test piece

2.7
coil technique
magnetization using a flexible cable or a rigid coil to test all or a part of a component

2.8
coloured detection medium
detection medium for testing with visible light

2.9
concentrate
detection medium supplied in a form requiring dilution before use

2.10
conditioning agent
additive in water-based media used to improve their properties which may include wetting, antifoaming and corrosion inhibitors

2.11
constant current control
device to maintain the pre-set current

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