

Testing methodology for wipers used in electrical insulating oil

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National foreword

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Testing methodology for wipers used in electrical insulating oil

Méthodologie d'essai des moyens de
nettoyage utilisés dans les huiles
isolantes à usages électriques

Prüfmethoden für Putzlappen,
die für Isolieröl verwendet werden

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CENELEC

European Committee for Electrotechnical Standardization
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Foreword

This European Standard has been prepared by CENELEC BTWG 99-1, Insulating oil.

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The following dates were fixed:

- latest date by which the EN has to be implemented
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- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2005-03-01

Annexes designated "normative" are part of the body of the standard.
In this standard, annexes A, B, C, D and E are normative.

Warning: This European Standard calls for the use of substances and/or procedures that may be injurious to health if adequate precautions are not taken. It refers only to technical suitability and does not absolve the user from legal obligations relating to health and safety at any stage.

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Introduction

Fibres and other particles have a detrimental effect on the dielectric strength of insulating oil. During the maintenance of electrotechnical equipment it is often necessary to use a wiper or cloth to clean components or absorb oil. To minimize contamination by fibres and resultant degradation of oil properties, it is necessary to make a selection of the type of wiper used in this application.

The properties required of wipers for use with insulating oil are as follows:

- low fibre release;
- fibres released from a wiper should have the least possible effect on the dielectric strength of insulating oil;
- high tear resistance;
- should tearing occur, subsequent fibre release should be low;
- oil absorbency should ideally be high;
- the wipers should have no other effect which degrades the properties of insulating oil below those required by IEC 60296.