

AS 1767.2.5—1999

Australian Standard™

Insulating liquids

Part 2: Test methods Method 2.5: Unused hydrocarbon- based insulating liquids— Test methods for evaluating the oxidation stability

[Based on and including the full text of IEC 61125:1992]

This Australian Standard was prepared by Committee EL/8, Power Transformers. It was approved on behalf of the Council of Standards Australia on 16 February 1999 and published on 5 May 1999.

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Part 2: Test methods **Method 2.5: Unused hydrocarbon-** **based insulating liquids—** **Test methods for evaluating** **the oxidation stability**

First published as AS 1767.2.5—1999.

PREFACE

This Standard was prepared by the Standards Australia Committee EL/8, Power Transformers.

This Standard is based on but not equivalent to, and has been reproduced from, IEC 61125:1992, *Unused hydrocarbon-based insulating liquids—Test methods for evaluating the oxidation stability*.

In January 1997, IEC commenced numbering its Standards from 60000 by adding 60000 to the number of each existing Standard. This coordinates IEC numbering with ISO numbering. During the transition period an IEC Standard might be identified by its new number or its old number (e.g. IEC 60050 or IEC 50).

Appendix ZZ lists variations to IEC 61125 for application in Australia. The changes are indicated by marginal bars set against the relevant clause, note, table, figure or part thereof. Note that reference to Appendix ZZ is especially important in cases where additional text or clauses have been introduced.

This Standard is Part 2.5 of a series which comprises the following:

AS

- 1767 Insulating liquids
- 1767.1 Part 1: Specification for unused mineral insulating oils for transformers and switchgear
- 1767.2 Part 2: Test methods
- 1767.2.1 Method 2.1: Determination of the breakdown voltage at power frequency
- 1767.2.3 Method 2.3: Method of sampling liquid dielectrics
- 1767.2.4 Method 2.4: Detection and determination of specified anti-oxidant additives in insulating oils
- 1767.2.5 Method 2.5: Unused hydrocarbon-based insulating liquids—Test methods for evaluating the oxidation stability (this Standard)
- 1767.2.7 Method 2.7: Determination of PCB contamination in insulating liquids by capillary column gas chromatography—Identification of congeners

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<i>Reference to International Standard</i>		<i>Australian Standard</i>	
IEC		AS	
60247	Measurement of relative permittivity, dielectric dissipation factor and d.c. resistivity of insulating liquids	—	
ISO			
383	Laboratory glassware—Interchangeable conical ground joints	2409	Interchangeable conical ground glass joints

ISO		AS
4793	Laboratory sintered (fritted) filters— Porosity grading, classification and designation	—
6344	Coated abrasives—Grain size analysis	—
6344-1	Part 1: Definitions, designation and principles	

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