საქართველოს სტანდარტი

საიზოლაციო სითხეების სინჯის აღების მეთოდი (იეკ 60475:2011)

საქართველოს სტანდარტებისა და მეტროლოგიის ეროვნული სააგენტო თბილისი

საინფორმაციო მონაცემები

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EUROPEAN STANDARD

EN 60475

NORME EUROPÉENNE EUROPÄISCHE NORM

December 2011

ICS 29.040

English version

Method of sampling insulating liquids

(IEC 60475:2011)

Méthode d'échantillonnage des liquides isolants (CEI 60475:2011)

Verfahren zur Probennahme von Isolierflüssigkeiten (IEC 60475:2011)

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European Committee for Electrotechnical Standardization Comité Européen de Normalisation Electrotechnique Europäisches Komitee für Elektrotechnische Normung

Management Centre: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 10/848/FDIS, future edition 2 of IEC 60475, prepared by IEC/TC 10 "Fluids for electrotechnical applications" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60475:2011.

The following dates are fixed:

•	latest date by which the document has	(dop)	2012-08-24
	to be implemented at national level by		
	publication of an identical national		
	standard or by endorsement		
•	latest date by which the national	(dow)	2014-11-24
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	document have to be withdrawn		

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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	EN/HD	<u>Year</u>
IEC 60567	2011	Oil-filled electrical equipment - Sampling of gases and analysis of free and dissolved gases - Guidance	EN 60567	2011
IEC 60970	-	Insulating liquids - Methods for counting and sizing particles	EN 60970	-



Edition 2.0 2011-10

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Method of sampling insulating liquids

Méthode d'échantillonnage des liquides isolants





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Edition 2.0 2011-10

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Method of sampling insulating liquids

Méthode d'échantillonnage des liquides isolants

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION ELECTROTECHNIQUE INTERNATIONALE

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CONTENTS

FΟ	REW	ORD		3			
INT	ROD	UCTION	l	5			
1	Scop	Scope					
2	Normative references						
3	Terms and definitions						
4 General principles for the sampling of insulating liquids			ciples for the sampling of insulating liquids	7			
	4.1	New ir	sulating liquids in delivery containers	7			
		4.1.1	Place of sampling	7			
		4.1.2	Quantity of sample to be taken	7			
		4.1.3	Sampling equipment	7			
		4.1.4	Sampling procedure	11			
	4.2	Sampl	ing of oil from oil-filled equipment	13			
		4.2.1	General remarks	13			
		4.2.2	Sampling of oil by syringe	19			
		4.2.3	Sampling of oil by ampoule	20			
		4.2.4	Sampling of oil by flexible metal bottles	21			
		4.2.5	Sampling of oil by glass and rigid metal bottles	22			
		4.2.6	Sampling of oil by plastic bottles	23			
	4.3	Storag	e and transportation of samples	23			
	4.4	Labell	ng of samples	23			
			ative) Procedure for sampling at intermediate levels (making up of the	25			
	_		ative) Procedure for testing the integrity of the syringes				
/\III	ICX D	(111101111)	ative, 1 rocedure for testing the integrity of the syringes	20			
Fig	ure 1	– Thief	dipper	8			
Fig	ure 2	– Crear	n dipper	9			
Fig	ure 3	– Pipeti	e	10			
Fig	ure 4	– Sipho	n	10			
Fig	ure 5	– Samp	ling of oil by syringe	15			
Fig	ure 6	– Samp	ling of oil by ampoule	16			
			ling of oil by bottle				
Tak	olo 1	Tunco	of complex of new inculating liquids	11			
		• •	of samples of new insulating liquids				
		•	e containers for oil tests (Y = Yes)				
ıah	Table 3 – Information required on oil sample labels						

INTERNATIONAL ELECTROTECHNICAL COMMISSION

METHOD OF SAMPLING INSULATING LIQUIDS

FOREWORD

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International Standard IEC 60475 has been prepared by IEC technical committee 10: Fluids for electrotechnical applications.

This second edition cancels and replaces the first edition, published in 1974, and constitutes a technical revision.

The main changes with respect to the previous edition are listed below:

- since the publication of the first edition of this standard, askarels have been banned and therefore have been withdrawn from this second edition;
- recommendations concerning general health, safety and environmental protection have been added as an Introduction;
- the first edition was mainly about sampling from drums and tank cars. This second edition addresses in more detail the sampling of oil from electrical equipment, using various types of sampling devices appropriate for the different types of oil tests to be performed in the laboratory, including dissolved gas analysis (DGA).

The text of this standard is based on the following documents:

FDIS	Report on voting
10/848/FDIS	10/871/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- · reconfirmed,
- withdrawn,
- · replaced by a revised edition, or
- amended.

INTRODUCTION

General caution, health, safety and environmental protection

This International Standard does not purport to address all the safety problems associated with its use. It is the responsibility of the user of the standard to establish appropriate health and safety practices and determine the applicability of regulatory limitations prior to use.

The insulating oils which are the subject of this standard should be handled with due regard to personal hygiene. Direct contact with the eyes may cause irritation. In the case of eye contact, irrigation with copious quantities of clean running water should be carried out and medical advice sought. Some of the tests specified in this standard involve the use of processes that could lead to a hazardous situation. Attention is drawn to the relevant standard for guidance.

Environment

This standard is applicable to mineral oils and non-mineral oils, chemicals and used sample containers.

Attention is drawn to the fact that, some mineral oils in service may still be contaminated to some degree by PCBs. If this is the case, safety countermeasures should be taken to avoid risks to workers, the public and the environment during the life of the equipment, by strictly controlling spills and emissions. Disposal or decontamination of these oils should be carried out strictly according to local regulations. Every precaution should be taken to prevent release of mineral oil and non-mineral oil into the environment.