

SLOVENSKI STANDARD SIST EN 62701:2015

01-maj-2015

Tekočine za elektrotehniko - Reciklirana mineralna izolacijska olja za transformatorje in krmilne naprave (IEC 62701:2014)

Fluids for electrotechnical applications - Recycled mineral insulating oils for transformers and switchgears (IEC 62701:2014)

Flüssigkeiten für elektrotechnische Anwendungen - Recycelte Isolieröle auf Mineralölbasis für Transformatoren und Schaltgeräte

Fluides pour applications électrotechniques - Huiles minérales isolantes recyclées pour transformateurs et appareillages de connexion_{701,2015}

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Ta slovenski standard je istoveten z: EN 62701-2015

ICS:

29.040.10 Izolacijska olja Insulating oils
 29.130.01 Stikalne in krmilne naprave na splošno in general
 29.180 Transformatorji. Dušilke Transformers. Reactors

SIST EN 62701:2015 en

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EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM EN 62701

November 2014

ICS 29.040

English Version

Fluids for electrotechnical applications - Recycled mineral insulating oils for transformers and switchgears (IEC 62701:2014)

Fluides pour applications électrotechniques - Huiles minérales isolantes recyclées pour transformateurs et appareillages de connexion (CEI 62701:2014)

Flüssigkeiten für elektrotechnische Anwendungen -Recycelte Isolieröle auf Mineralölbasis für Transformatoren und Schaltgeräte (IEC 62701:2014)

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SIST EN 62701:2015

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Foreword

The text of document 10/908/FDIS, future edition 1 of IEC 62701, prepared by IEC TC 10 "Fluids for electrotechnical applications" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62701:2014.

The following dates are fixed:

(dop) 2015-05-14 latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement

latest date by which the national standards conflicting with the document have to be withdrawn

(dow) 2017-04-15

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In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60867 NOTE Harmonised as EN 60867.

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Annex ZA

(normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu

www.cenelec.eu				
<u>Publication</u>	<u>Year</u>	<u>Title</u>	EN/HD	<u>Year</u>
IEC 60156		Insulating liquids - Determination of the	EN 60156	_
		breakdown voltage at power frequency -		
		Test method		
IEC 60247		Insulating liquids - Measurement of	EN 60247	
ILC 00247	-		LIN 00247	-
		relative permittivity, dielectric dissipation		
		factor (tan d) and d.c. resistivity		
IEC 60296	2012	Fluids for electrotechnical applications -	EN 60296	2012
		Unused mineral insulating oils for		
		transformers and switchgear		
IEC 60422	_	Mineral insulating oils in electrical	EN 60422	_
	iT	equipment Supervision and PRFV	IEW	
	11	maintenance guidance		
IEC 60628		Gassing of insulating liquids underail	HD 488 S1	
ILC 00020	_	electrical stress and ionization	110 400 01	_
IEC cocce			EN cocce	
IEC 60666	-	Detection and determination of specified	EN 60666	-
.=	https://s	additives in mineral insulating oils	-478c-ba30.	
IEC 60814	_111495775	Insulating liquids - Oil-impregnated paper	EN 60814	-
		and pressboard Determination of water		
		by automatic coulometric Karl Fischer		
		titration		
IEC 60970	_	Insulating liquids - Methods for counting	EN 60970	_
		and sizing particles		
		01	+EN	2008
			+EN 60970:2007/corrigendum	2008
			60970:2007/corrigendum	
IEC 61125	1002		60970:2007/corrigendum Jan. 2008	1
IEC 61125	1992	Unused hydrocarbon based insulating	60970:2007/corrigendum	
IEC 61125	1992	Unused hydrocarbon based insulating liquids - Test methods for evaluating the	60970:2007/corrigendum Jan. 2008	1
	1992	Unused hydrocarbon based insulating liquids - Test methods for evaluating the oxidation stability	60970:2007/corrigendum Jan. 2008 EN 61125	1
IEC 61125	1992	Unused hydrocarbon based insulating liquids - Test methods for evaluating the oxidation stability Mineral insulating oils - Methods for the	60970:2007/corrigendum Jan. 2008	1
	1992 -	Unused hydrocarbon based insulating liquids - Test methods for evaluating the oxidation stability Mineral insulating oils - Methods for the determination of 2-furfural and related	60970:2007/corrigendum Jan. 2008 EN 61125	1
	1992 -	Unused hydrocarbon based insulating liquids - Test methods for evaluating the oxidation stability Mineral insulating oils - Methods for the	60970:2007/corrigendum Jan. 2008 EN 61125	1
	1992 - -	Unused hydrocarbon based insulating liquids - Test methods for evaluating the oxidation stability Mineral insulating oils - Methods for the determination of 2-furfural and related	60970:2007/corrigendum Jan. 2008 EN 61125	1
IEC 61198	1992 - -	Unused hydrocarbon based insulating liquids - Test methods for evaluating the oxidation stability Mineral insulating oils - Methods for the determination of 2-furfural and related compounds	60970:2007/corrigendum Jan. 2008 EN 61125 EN 61198	1
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IEC 62021-2	-	Insulating liquids - Determination of acidity Part 2: Colourimetric titration	EN 62021-2	-
IEC 62535	-	Insulating liquids - Test method for detection of potentially corrosive sulphur in used and unused insulating oil	EN 62535	-
IEC 62697-1	-	Test method for quantitative determination of corrosive sulfur compounds in unused and used insulatin liquids Part 1: Test method for quantitative determination of dibenzyldisulfide (DBDS)	EN 62697-1 g	-
ISO 2719	-	Petroleum products and lubricants - Determination of Flash Point Pensky- Martens closed cup method	-	-
ISO 3016	-	Petroleum products Determination of pour point	-	-
ISO 3104	-	Petroleum products - Transparent and opaque liquids - Determination of kinematic viscosity and calculation of dynamic viscosity	EN ISO 3104	-
		,	+AC	-
ISO 3675	-	Crude petroleum and liquid petroleum products Laboratory determination of density - Hydrometer method	EN ISO 3675	-
ISO 12185	- iT	Crude petroleum and petroleum	EN ISO 12185	-
ISO 14596 ASTM D971	-	Standard Test Method for Interfacial Tension of Oil Against Water by the Ring Method SIST EN 62701:2015	EN ISO 14596 -	-
DIN 51353	-https://s	Testing of insulating oils, detection of for corrosive sulfur, silver strip test 2015	5-478c-ba39-	-
EN 14210	-	Surface active agents - Determination of interfacial tension of solutions of surface active agents by the stirrup or ring metho		-
IP 346	-	Determination of polycyclic aromatics in lubricant base oils and asphaltene free petroleum fractions - Dimethylsulfoxide refractive method	-	-
IP 373	-	Determination of the sulphur content of light and middle distillates - Oxidative microcoulometry	-	-



IEC 62701

Edition 1.0 2014-03

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Fluids for electrotechnical applications Recycled mineral insulating oils for transformers and switchgear and ards.iteh.ai)

Fluides pour applications électrotechniques. Huiles minérales isolantes recyclées pour transformateurs et appareillages de connexion

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

COMMISSION ELECTROTECHNIQUE INTERNATIONALE

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

FLUIDS FOR ELECTROTECHNICAL APPLICATIONS – RECYCLED MINERAL INSULATING OILS FOR TRANSFORMERS AND SWITCHGEAR

FOREWORD

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International Standard IEC 62701 has been prepared by IEC technical committee 10: Fluids for electro technical applications.

This International Standard is in line with IEC 60296 and IEC 60422.

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

FDIS	Report on voting
10/908/FDIS	10/910/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.

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

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INTRODUCTION

Health and safety

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 mineral 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 rise to mineral insulating oils, chemicals and used sample containers. The disposal of these items shall be carried out according to the local regulations with regard to the impact on the environment. Every precaution should be taken to prevent release of mineral insulating oil into the environment.

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