

Petroleum products and lubricants — Triaryl phosphate ester turbine control fluids (category ISO-L-TCD) — Specifications

The European Standard EN 61221:1995 has the status of a
British Standard

ICS 27.040;75.120

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Technical Committee GEL/10, Fluids for electrotechnical applications, upon which the following bodies were represented:

- British Cable Makers Confederation
- British Lubricants Federation Limited
- Chemical Industries Association
- Electricity Association
- Health and Safety Executive
- Institute of Petroleum
- Institution of Electrical Engineers
- London Regional Transport
- National Association of Waste Disposal Contractors
- Transmission and Distribution Association (BEAMA Limited)

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National foreword

This British Standard has been prepared by Technical Committee GEL/10 and is the English language version of EN 61221:1995 published by the European Committee for Electrotechnical Standardization (CENELEC). It is identical with IEC 1221:1993 published by the International Electrotechnical Commission (IEC).

Cross-references

Publication referred to	Corresponding British Standard
IEC 247:1978	BS 5737:1979 <i>Method for the measurement of relative permittivity, dielectric dissipation factor and d.c. resistivity of insulating fluids</i>
HD 487 S1:1987 (IEC 814:1985)	BS 6725:1986 <i>Method for determination of water in liquid dielectrics by automatic coulometric Karl Fischer titration</i>
ISO 2592:1973	BS EN 22592:1994 <i>Methods of test for petroleum and its products. Petroleum products. Determination of flash and fire points. Cleveland open cup method</i>
ISO 3170:1988	BS 3195 <i>Methods for sampling petroleum products</i> Part 1:1989 <i>Manual sampling of liquid hydrocarbons</i>
ISO 3448:1992	BS 4231:1992 <i>Classification for viscosity grades of industrial liquid lubricants</i>
ISO 3675:1976	BS 4714:1980 <i>Method for laboratory determination of density or relative density of crude petroleum and liquid petroleum products (hydrometer method)</i>
ISO 4259:1979	BS 4306:1981 <i>Method for determination and application of precision data in relation to methods of test for petroleum products</i>
ISO 4406:1987	BS 5540 <i>Evaluating particulate contamination of hydraulic fluids</i> Part 4:1988 <i>Method of defining levels of contamination (solid contaminant code)</i>
ISO 6618:1987	BS 2000 <i>Methods of test for petroleum and its products</i> Part 139:1993 <i>Petroleum products and lubricants. Neutralization number: Colour-indicator titration method</i>
ISO 6743-5:1988	BS 6413 <i>Lubricants, industrial oils and related products (class L)</i> Part 5:1988 <i>Classification for family T (turbines)</i>

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 12, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

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Descriptors: Electrical engineering, lubricants, hydraulic fluids, fire-resistant fluids, ester regulators, turbines, electric power stations, characteristics, tests, flammability testing, exothermic reactions

English version

Petroleum products and lubricants
Triaryl phosphate ester turbine control fluids
(category ISO-L-TCD)
Specifications

(IEC 1221:1993)

Produits pétroliers et lubrifiants
Fluides de régulation pour turbines, esters
phosphates de triaryle (catégorie ISO-L-TCD)
Spécifications
(CEI 1221:1993)

Mineralölerzeugnisse und Schmiermittel
Triaryl-Phosphatester-Turbinen-
Steuerflüssigkeiten
(Kategorie ISO-L-TCD)
Anforderungen
(IEC 1221:1993)

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CENELEC

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

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Foreword

The text of the International Standard IEC 1221:1993, prepared by IEC TC 10, Fluids for electrotechnical applications, was submitted to the formal vote and was approved by CENELEC as EN 61221 on 1994-12-06 without any modification.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 1995-12-15
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 1995-12-15

Annexes designated “normative” are part of the body of the standard. Annexes designated “informative” are given for information only. In this standard, Annex A, Annex B, and Annex ZA are normative and Annex C is informative. Annex ZA has been added by CENELEC.

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