

Method for

Preparing a statement of requirements for hydraulic fluid power filters

[ISO title: Hydraulic fluid power — Filters — Statement of
requirements]

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Machinery and Components Standards Committee (MCE/-) to Technical Committee MCE/18 upon which the following bodies were represented:

- Association of British Mining Equipment Companies
- British Compressed Air Society
- British Fluid Power Association
- British Hydromechanics Research Association
- British Steel Corporation
- British Telecommunications plc
- Department of Trade and Industry (National Engineering Laboratory)
- Electricity Supply Industry in England and Wales
- Federation of Manufacturers of Construction Equipment and Cranes
- Institution of Mechanical Engineers
- Machine Tool Industry Research Association
- Ministry of Defence

The following bodies were also represented in the drafting of the standard, through subcommittees and panels:

- Bath University Library
- British Railways Board
- Institution of Production Engineers
- Society of Motor Manufacturers and Traders Ltd.

This British Standard, having been prepared under the direction of the Machinery and Components Standards Committee, was published under the authority of the Board of BSI and comes into effect on 31 July 1987

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National foreword

This British Standard has been prepared under the direction of the Machinery and Components Standards Committee. It is identical with ISO 7744:1986 “*Hydraulic fluid power — Filters — Statement of requirements*”, published by the International Organization for Standardization (ISO).

Terminology and conventions. The text of the International Standard has been approved as suitable for publication as a British Standard without deviation. Some terminology and certain conventions are not identical with those used in British Standards; attention is drawn especially to the following.

The comma has been used as a decimal marker. In British Standards it is current practice to use a full point on the baseline as the decimal marker.

In British Standards it is current practice to use the symbol “L” for litre (and its submultiples), rather than “l” and to use the SI unit, m²/s, for kinematic viscosity. (With reference to 3.5 and Annex A, 1 cSt = 1 mm²/s.)

Wherever the words “International Standard” appear, referring to this standard, they should be read as “British Standard”.

Cross-references

International Standard	Corresponding British Standard
ISO 2941:1974	BS 6275 <i>Hydraulic fluid power filter elements</i> Part 2:1984 <i>Methods of test to verify structural integrity</i> (Technically equivalent)
ISO 2942:1974	
ISO 2943:1974	
ISO 3723:1976	
ISO 3724:1976	
ISO 3448:1975	BS 4231:1982 <i>Classification for viscosity grades of industrial liquid lubricants</i> (Identical)
	BS 5540 <i>Evaluating particulate contamination of hydraulic fluids</i>
ISO 3722:1976	Part 1:1978 <i>Qualifying and controlling of cleaning methods for sample containers</i> (Identical)
ISO 3938:1986	Part 5:1987 <i>Method of reporting contamination of hydraulic fluids</i> (Identical)
ISO 3968:1981	BS 6277:1982 <i>Method for determination of pressure drop/flow characteristics of hydraulic fluid power filters</i> (Identical)
	BS 5540 <i>Evaluating particulate contamination of hydraulic fluids</i>
ISO 4402:1977	Part 2:1978 <i>Method of calibrating liquid automatic particle-count instruments</i> (using AC Fine Test Dust contaminant) (Identical)
ISO 4406 ^a	Part 4:1981 <i>Method of defining levels of contamination (solid contaminant code)</i> (Technically equivalent)
ISO 4572:1981	BS 6275 <i>Hydraulic fluid power filter elements</i> Part 1:1982 <i>Method of evaluating filtration performance (multi-pass method)</i> (Identical)

^a At present at draft stage.

The Technical Committee has reviewed the provisions of ISO 5598 to which reference is made in the text, and has decided that it is acceptable for use in conjunction with this standard. ISO 5598 is referred to for information only.

Additional information. For the purposes of this British Standard the identification statement required by clause 7 should be replaced by the following: “Method of preparing a statement of requirements (SOR) conforms to BS 6851”.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, pages 1 to 6, 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.