INTERNATIONAL STANDARD

ISO 4926

Second edition
2006-11-01

Road vehicles — Hydraulic braking systems — Non-petroleum-base reference fluids

Véhicules routiers — Systèmes de freinage hydrauliques — Liquides de référence à base non pétrolière

STANDARDSISO.COM : Click to view the full PDF of ISO 4926:2006

Reference number
ISO 4926:2006(E)

© ISO 2006

PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

STANDARDSISO.COM : Click to view the full PDF of ISO 4926:2006

© ISO 2006

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

 © ISO 2006 – All rights reserved

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 4926 was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 2, *Braking systems and equipment*.

This second edition cancels and replaces the first edition (ISO 4926:1978), which has been technically revised.

STANDARDSISO.COM : Click to view the full PDF of ISO 4926:2006

© ISO 2006 – All rights reserved

Road vehicles — Hydraulic braking systems — Non-petroleum-base reference fluids

1 Scope

This International Standard specifies the composition and characteristics of a reference fluid used for the compatibility testing of hydraulic braking systems and components mounted on road vehicles.

2 Normative references

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.

ISO 4925, *Road vehicles — Specification of non-petroleum-base brake fluids for hydraulic systems*

3 ISO brake fluid for compatibility testing

The composition of the reference brake fluid is specified in Table 1. The fluid shall comply with the specifications of ISO 4925.

Table 1 — Composition of the reference brake fluid

Components	Mass fraction %	Purity[a]
Triethylene glycol	19,40	⩾ 95 %
Triethylene glycol monomethyl ether	25,00	⩾ 95 %
Polyethylene glycol monobutyl ethers	35,80	Diethylene glycol monobutyl ether ⩽ 2 % Triethylene glycol monobutyl ether 60 % ⩽ purity ⩽ 80 % Tetraethylene glycol + higher glycol monobutyl ethers 20 % ⩽ purity ⩽ 40 %
Borate of triethylene glycol monomethyl ether	18,60	Content of boric acid 11,2 % to 11,5 %
Diisopropanolamine	0,85	⩾ 98 %
Dibutylamine	0,10	⩾ 99 %
Bisphenol A	0,20	⩾ 97 %
Tolyltriazole	0,025	⩾ 98 %
Benzotriazole	0,025	⩾ 98 %

[a] The water content of the reference fluid shall be less than or equal to 0,20 %.

STANDARDSISO.COM : Click to view the full PDF of ISO 4926:2006

© ISO 2006 – All rights reserved

4 ISO fluid for storage corrosion test

The fluid for the storage corrosion test shall be subject to an agreement between the customer and the supplier until a new reference fluid has been proposed for the next revision of this International Standard.

STANDARDSISO.COM : Click to view the full PDF of ISO 4926:2006

© ISO 2006 – All rights reserved