
**Road vehicles — Specification of non-
petroleum-based brake fluids for
hydraulic systems**

*Véhicules routiers — Spécifications pour liquides de frein à base non
pétrolière pour systèmes hydrauliques*

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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee 33 *Chassis systems and components*.

This third edition cancels and replaces the second edition (ISO 4925:2005), which has been technically revised.

The main changes compared to the previous edition are as follows:

- a terms and definitions clause was added ([Clause 3](#));
- an additional class 7 is introduced and added to the already existing classes 3, 4, 5-1 and 6;
- the reserve alkalinity is added upon request out of the automotive industry;
- the intended introducing of a stroking test into a future revision of this document is replaced by the intended introduction of a wear and noise test currently under development in the SAE and ISO TF lubrication.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

The specifications for fluids given in this document incorporate a range of performance standards in use throughout the world at the time of publication. To the already existing classes 3, 4, 5-1 and 6 an additional class 7 is added.

The major use of these fluids is in the hydraulic brake and clutch systems of road vehicles, but they can also be used in any suitable hydraulic system.

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