

MAURITIAN
STANDARD

MS ISO
4926:2020

First Edition
2022-03-19

**Road Vehicles - Hydraulic braking
systems - Non-petroleum-based
reference fluid**

ICS: 75.120; 43.040.40



**Mauritius Standards Bureau
Moka**

National Foreword

This Mauritian Standard is identical with the International **ISO 4926:2020**, *Road Vehicles - Hydraulic braking systems — Non-petroleum-based reference fluid*. It was adopted by the Mauritius Standards Bureau on the recommendation of the **Mechanical Engineering Standards Committee** through its subcommittee on Automotive Technology & Engineering. It was approved by the **Standards Council** on 24 February 2022 and notified in the Government Gazette on **19 March 2022***

* **General Notice No 340 of 2022**



COPYRIGHT PROTECTED DOCUMENT

© MSB 2022

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, or posting on the internet or an intranet, without prior written permission from Mauritius Standards Bureau at the address below

Mauritius Standards Bureau

Villa Road

Moka

Mauritius

Telephone + (230) 433 3648

Fax + (230) 433 5051/ 433 5150

E-mail msb@intnet.mu

Contents

	Page
Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 ISO reference fluid for compatibility testing	1

PREVIEW

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).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

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 SC 33 *Vehicle dynamics and chassis components*.

This third edition cancels and replaces the second edition ISO 4926:2006, which has been technically revised.

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

New chemical formulation of reference fluid

- to simplify the recipe in order to avoid blending mistakes and
- to meet the ISO 4925 requirements.

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.

Road vehicles — Hydraulic braking systems — Non-petroleum-based reference fluid

1 Scope

This document 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 documents are referred to in the text in such a way that some or all of their content constitutes requirements 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*

ASTM D 1121, *Standard Test Method for Reserve Alkalinity of Engine Coolants and Antirusts*

ASTM D 6304, *Standard Test Method for Determination of Water in Petroleum Products, Lubricating Oils, and Additives by Coulometric Karl Fischer Titration*

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

4 ISO reference fluid for compatibility testing

The composition of the reference fluid is specified in [Table 1](#). The fluid shall comply with the specifications of ISO 4925.