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

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



Reference number
ISO 4926:2006(E)

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Published in Switzerland

Foreword

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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.

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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 %
Tolytriazole	0,025	≥ 98 %
Benzotriazole	0,025	≥ 98 %
^a The water content of the reference fluid shall be less than or equal to 0,20 %.		

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.

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ICS 43.040.40; 75.120

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