

INTERNATIONAL STANDARD



3871

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Road vehicles — Labelling of containers for brake fluid or mineral oil for hydraulic systems

Véhicules routiers — Inscription des récipients contenant du liquide de frein ou de l'huile minérale pour les systèmes hydrauliques

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FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO Member Bodies). The work of developing International Standards is carried out through ISO Technical Committees. Every Member Body interested in a subject for which a Technical Committee has been set up 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.

Draft International Standards adopted by the Technical Committees are circulated to the Member Bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 3871 was drawn up by Technical Committee ISO/TC 22, *Road vehicles*, and was circulated to the Member Bodies in June 1975.

It has been approved by the Member Bodies of the following countries:

Austria	Hungary	South Africa, Rep. of
Belgium	Iran	Spain
Canada	Italy	Sweden
Chile	Japan	Switzerland
Czechoslovakia	Mexico	Turkey
Finland	Netherlands	United Kingdom
France	Poland	Yugoslavia
Germany	Romania	

The Member Bodies of the following countries expressed disapproval of the document on technical grounds :

Australia
Brazil

Road vehicles — Labelling of containers for brake fluid or mineral oil for hydraulic systems

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the minimum labelling for commercial containers used to package fluids of the petroleum or non-petroleum type for use in the braking systems and hydraulic systems of road vehicles (including mopeds and motorcycles).

2 REFERENCES

ISO 4925, *Road vehicles — Brake fluids*.¹⁾

ISO ..., *Road vehicles — Mineral oil for hydraulic systems*.²⁾

3 LABELLING

3.1 All commercial containers shall designate the contents, in capital letters, as indicated below :

"ISO 4925 : ROAD VEHICLES — BRAKE FLUID"

or

"ISO ... : ROAD VEHICLES — MINERAL OIL FOR HYDRAULIC SYSTEMS"

[Complete by the number of the corresponding International Standard.]

3.2 The applicable words specified in 3.1, together with the information required by 3.3 to 3.5, shall be located on the main panel of the container and enclosed on all sides by a line 3,2 mm in width and of the colour appropriate to the fluid, as specified in the International Standards mentioned in clause 2.

The colour code for the enclosing line is as follows :

- Non-petroleum base brake fluid : **yellow**;
- mineral oil for hydraulic systems : **green**.

All required labelling shall appear in a minimum type height of 3,2 mm. Labelling shall be legible and indelibly marked on a contrasting background.

3.3 The container shall bear a **serial number identifying the packaged lot and date of packaging**.

The container shall also bear **the name of the packager or an equivalent code designation, and the name and complete postal address of the distributor**.

3.4 The **boiling point**, in degrees Celsius, of the fluid in the container shall be indicated on the latter, as specified in the International Standards mentioned in clause 2.

3.5 All commercial containers shall bear the following safety warnings in capital and lower case letters as indicated :

3.5.1 "FOLLOW VEHICLE MANUFACTURER'S RECOMMENDATIONS WHEN ADDING ..."

[Complete with indication **"BRAKE FLUID"** or **"HYDRAULIC SYSTEM MINERAL OIL"** as applicable.]

3.5.2 (For hydraulic system mineral oils only)

"Hydraulic System Mineral Oil is NOT COMPATIBLE with the rubber components of brake systems designed for use with brake fluids such as those specified by the International Standard ISO 4925, 'ROAD VEHICLES — BRAKE FLUIDS'."

3.5.3 **"KEEP ... CLEAN. Contamination with dirt, water or other materials may result in brake failure or costly repairs."**

[Complete with indication **"BRAKE FLUID"** or **"HYDRAULIC SYSTEM MINERAL OIL"** as applicable.]

3.5.4 **"Caution : STORE ... ONLY IN ITS ORIGINAL CONTAINER. KEEP CONTAINER CLEAN AND TIGHTLY CLOSED. DO NOT REFILL CONTAINER OR USE FOR OTHER LIQUIDS."**

[Complete with indication **"BRAKE FLUID"** or **"HYDRAULIC SYSTEM MINERAL OIL"** as applicable.]

The last sentence is not required for containers with a capacity in excess of 19 l.

3.6 The information required by 3.2 to 3.5 shall be supplemented by information such as toxicity warnings (for example by the word : **"POISON"**) and flammability warnings; this information may be placed outside of the colour-coded border.

1) At present at the stage of draft.

2) In preparation.