

STN	Palivá Označovanie kompatibility vozidiel Grafické označenie informácií pre spotrebiteľa	STN EN 16942 65 6500
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Fuels - Identification of vehicle compatibility - Graphical expression for consumer information

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 10/24

Táto norma čiastočne nahrádza STN EN 16942 + A1 z augusta 2021, kde národná príloha NA zostáva v platnosti.

Obsahuje: EN 16942:2024

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 16942

August 2024

ICS 75.160.20

Supersedes EN 16942:2016+A1:2021

English Version

**Fuels - Identification of vehicle compatibility - Graphical
expression for consumer information**

Carburants - Identification de la compatibilité des
véhicules - Expression graphique pour l'information
des consommateurs

Kraftstoffe - Identifizierung der Fahrzeug-
Kompatibilität - Graphische Darstellung zur
Verbraucherinformation

This European Standard was approved by CEN on 26 June 2024.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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EN 16942:2024 (E)**Contents**

Page

European foreword.....	3
Introduction	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
4 Principle	6
5 General identifier requirements	6
5.1 Colour scheme	6
5.2 Discrimination of fuel types	7
5.3 Size.....	7
5.4 Compatibility categorization	7
6 Placement of the identifier	7
6.1 General.....	7
6.2 Refuelling points	7
6.3 Vehicles.....	8
6.4 Vehicle manuals and dealerships.....	8
7 Identifier for petrol-type fuels	8
7.1 Shape and sizes	8
7.2 Symbols.....	8
8 Identifier for diesel-type fuels.....	9
8.1 Shape and sizes	9
8.2 Symbols.....	9
9 Identifier for gaseous type fuels	9
9.1 Shape and sizes	9
9.2 Symbols.....	9
10 Outline of optional consumer information at national level.....	10
Annex A (informative) Examples of labels	12
A.1 General.....	12
A.2 Identifier examples for petrol-type fuels	12
A.3 Identifier examples for diesel-type fuels.....	13
A.3.1 Examples for FAME containing diesel-type fuels.....	13
A.3.2 Example for paraffinic diesel fuel	14
A.4 Identifier examples for gaseous fuels.....	14
Annex B (informative) List of actual fuels and their specifications	16
Annex C (informative) Examples of labelling.....	17
C.1 Unleaded petrol-type fuels	17
C.2 Diesel-type fuels	17
Bibliography.....	19

European foreword

This document (EN 16942:2024) has been prepared by Technical Committee CEN/TC 441 “Fuel labelling”, the secretariat of which is held by NEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by February 2025, and conflicting national standards shall be withdrawn at the latest by February 2025.

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

This document supersedes EN 16942:2016+A1:2021.

Further significant technical changes between this document and the previous edition are:

- Inclusion of a label for petrol fuels for small two-stroke internal combustion engines compliant to EN 17867 [23] or equivalent national legislation.
- Inclusion of a label for petrol fuels for small four-stroke internal combustion engines compliant to EN 17867 [23] or equivalent national legislation.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

EN 16942:2024 (E)**Introduction**

In accordance with Article 7, of the Directive 2014/94/EU [1] the EU Member States have to bring into force by 18 November 2016 the laws, regulations and administrative provisions necessary in order to ensure that user information on the compatibility of their vehicles with the fuels or electricity recharging points is provided in motor vehicle manuals, at refuelling and recharging points, as well as on motor vehicles and in motor vehicle dealerships in their territory.

As specified in the Article, this information has to be based on labelling provisions of ESO¹⁾ standards setting technical specifications of fuels. However, none of the labelling provisions of the existing European Standards for fuel quality (such as EN 228 [2] for unleaded petrol-type fuels and EN 590 [3] for diesel fuel) includes a graphical expression that meets the requirements of the Directive.

In a letter to CEN of 26 August 2015, the European Commission requested the work of CEN/TC 441 to aim at development and adoption of appropriate European Standard(-s) setting harmonized compatibility labelling specifications for individual fuels placed on the market. These provisions should include a graphical expression, including a colour coding scheme. The graphical expression should also be in line with the following requirements of Article 7 of Directive 2014/94/EU:

- a) to provide relevant, consistent and clear information as regards to those motor vehicles which can be regularly fuelled with compatible fuels placed on the market;
- b) to be simple and easy to understand;
- c) to be able to be placed in a clearly visible manner:
 - 1) on corresponding fuel pumps and their nozzles at refuelling points,
 - 2) on or in the immediate proximity of fuel tanks' filler caps for vehicles, recommended and compatible with that fuel and in motor vehicle manuals.

CEN decided that it would develop a single standard laying down the systematics of the graphical expression for the identification of fuel-vehicle compatibility that would cover a multitude of (existing and future) market fuels. This would allow industry and governments to use this document as basis for implementation of Directive 2014/94/EU. Furthermore, existing and future European Standards that need to set requirements regarding labelling can refer to this Standard.

The development of this standard focused on vehicles placed on the market for the first time, which does not preclude the application of this standard to vehicles already in circulation.

This document is not intended to replace any existing quality, safety or performance recommendations, marketing or branding communication currently featured in similar locations at re-fuelling points, vehicle fuel caps or vehicle manuals.

Additional requirements for labelling of refuelling points in Europe can be found in the specific standards concerning these fuels. For instance, for hydrogen, see EN 17127 [22].

1) European Standardization Organization.

1 Scope

This document lays down harmonized identifiers for marketed liquid and gaseous fuels. The requirements in this document are to complement the informational needs of users regarding the compatibility between the fuels and the vehicles that are placed on the market. The identifier is intended to be visualized at dispensers and refuelling points, on vehicles, in motor vehicle dealerships and in consumer manuals as described in this document.

Marketed fuels include for example petroleum-derived fuels, synthetic fuels, biofuels, natural gas, LPG, hydrogen and biogas and blends of the aforementioned delivered to mobile applications.

NOTE For the purposes of this document, the terms “% (m/m)” and “% (V/V)” are used to represent respectively the mass fraction, μ , and the volume fraction, φ .

2 Normative references

There are no normative references in this document.

koniec náhľadu – text ďalej pokračuje v platenej verzii STN