

CEN/TC 441 TF Fuel/Vehicle Compatibility Identifier

Proposal 2015-09-02

Part 1: Mandatory Graphic

Required in **ALL** locations

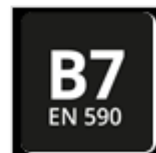
Graphic Features:

- **Shape** – Base fuel differentiation
 - Circle – Light Distillates
 - Square – Middle Distillates
 - Diamond – Gases
- **Code** – Incompatible parameter differentiation
 - Market-accepted acronym
- **Language** – None, no Greek/Cyrillic letters
- **Official Mark** – EN standard

Proposal 1:
Black on white
background



Proposal 2:
White on black
background



Part 2: Application in Proximity of Vehicle Filler Cap

Label Features (including cap-less systems):

- White on black background
- Label smaller than on fuel pump, however mandatory graphic in a label shall match graphic on fuel pump in proportion & content
- Filler flap label includes addition information:
 - A fuel pump graphic – Fuel information reference (diesel graphic may include "D" to mean "diesel")
 - A handbook graphic – Refer to handbook for more information (as per today's practice)
- Label requires straight edges for installation on filler flap
- Recommend no specification of minimum test size within graphic to maintain OEMs current practice
- Available space for label inside filler cap varies from vehicle to vehicle (including cap-less systems). Several options required:

Layout Option 1:

Suitable for vehicle with only one compatible fuel type



Layout Option 2:

Provide individual graphic for each compatible fuel on label



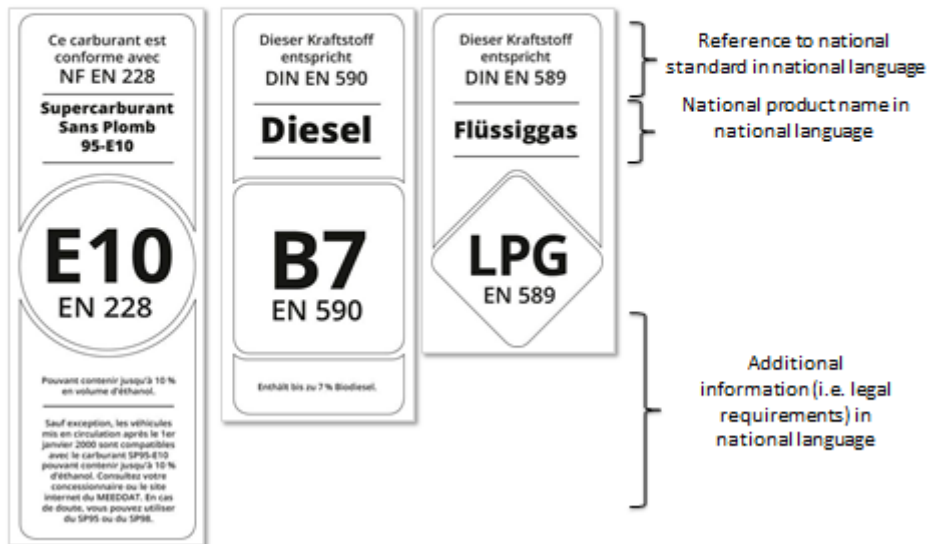
Layout Option 3:

Stating maximum fuel blend compatible with vehicle (i.e. E10 car will accept E5 up to E10 or B30 car will accept B7 up to B30)



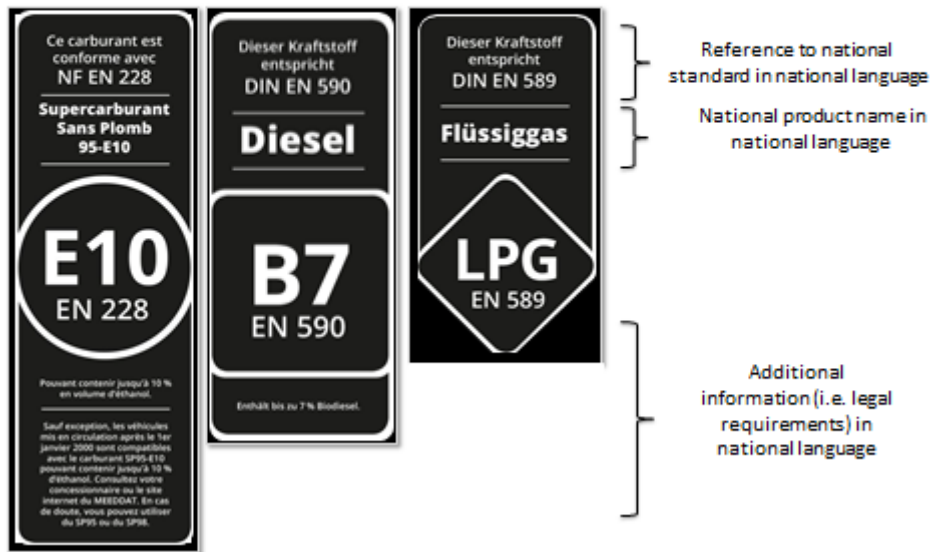
Part 3: Optional Application in Proximity of Fuel Pump

Additional National Information



Part 3: Optional Lay-Out on Fuel Pump

Additional National Information



In-situ Example

Black on white background



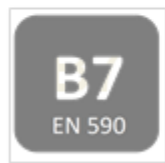
In-situ Example

White on black background



Not Recommended: Coloured Design

- TF does **not recommend** implementing coloured identifiers as;
 - They are likely to blend into the colourful background of fuel pumps
 - Dependent on durability of material or replacement program – colours could fade and cause confusion for consumers
- If users of the TC 441 standard (are required to) use colours, it is strongly recommended to use ISO/TC 22/SC 36 colour scheme as laid down in ISO 17840-4 (under ballot)



Colour & Shape – Base fuel differentiation:

- Circle/Red – Light Distillates
- Square/Grey – Middle Distillates
- Diamond/Green – Gases (also UNECE choice)

*Official Mark/Code/Language as per other proposals.

Further Proposals – More Detail

Location/Size/Alternative
Shapes/Additional Details

Alternative for Gases Shape: Octagon

Diamond shape restrictive to internal contents
Diamond shape matches UNECE regulation



Proposed Location Descriptions

- **Fuel Pump:** In the proximity of product identifiers where it is clearly visible to the consumer.
 - Due to the variability of fuel pump designs does not make it possible to identify a consistent location visible to the consumer.
- **Nozzle:** In the proximity of the nozzle.
 - Due to the variability of nozzle designs,
 - Existing marketing programs,
 - Area being highly prone to damage,
 - Existing branding used to ensure nozzles are not mixed up, do not make it possible to identify a consistent location on the nozzle.
- **Vehicle fuel cap:** In the proximity of the vehicle filler flap.
 - Minimal space available on inside of filler flap (varies from vehicle to vehicle)
 - Minimal space available on fuel bezel (for cap-less systems)
- **Vehicle manual:** In the vehicle manual
 - Recommend in same location as currently stated

Variability in Fuel Pump Designs



Nozzle Designs, Marketing Programs, Exposure to Wear and Damage



Gasoline & Diesel Nozzles



LNG Nozzle



CNG Nozzle



LPG Nozzle



Hydrogen Nozzle

Additional Detail

- Propose minimum size only for fuel pump, as well as for nozzle/fuel cap/manual locations
- No standardisation of font (as per current practice in existing national labelling guidelines)
- Consistent design for all locations
- No standardisation of specific label material to be used (enable retailers to integrate into branding)

FuelsEurope- Concawe view

Proposal September 2015

Proposed label locations are supported

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 - Due to the variability of nozzle designs,
 - Existing marketing programs,
 - Area being highly prone to damage,
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Part 1: Mandatory Graphic is supported

Graphic Features supported :

- The use of simple shapes per base fuel differentiation
- The EN standard as official mark
- Only codes and no language
- The use of only black and white. No preference as to the colour of the background and text. Both proposals are acceptable

Proposal 1:
Black on white
background



Proposal 2:
White on black
background



Part 2: Application in Proximity of Vehicle Filler Cap

Only option 2 Label Feature supported:

- White on black background
- Label smaller than on fuel pump, however mandatory graphic in a label shall match graphic on fuel pump in proportion & content
- Filler flap label may include addition information:
 - A fuel pump graphic – Fuel information reference (diesel graphic may include "D" to mean "diesel")
 - A handbook graphic – Refer to handbook for more information (as per today's practice)

Layout Option 2:

Provide individual graphic for each compatible fuel on label. This option is believed to provide the best guarantee that a consumer can positively identify the compatibility between the fuel and his vehicle.



Part 3: Optional Application in Proximity of Fuel Pump

Additional National Information

This should be applied only when strictly needed to avoid any confusion. It is believed that a consumer spotting information in a foreign language related to a known fuel standard will not contribute to the confidence in the checking the compatibility between the fuel used and the vehicle.

