

Introducing new requirements and enforcement timeline of
**SASO 2847:2025 Standard for Fuel Economy
Labeling Requirements**

المواصفات السعودية
Saudi Standards



كفاءة η

المركز السعودي لكفاءة الطاقة
Saudi Energy Efficiency Center

Agenda

Technical Requirements of the Updated Standard (SASO-2847)

Fuel Economy Labeling Requirements

Implementation Timeline


Key questions and takeaways

The fuel economy label aims to raise awareness of energy efficiency

What does Fuel Economy mean ?





Energy efficiency in vehicles is measured by fuel economy, which represents the distance a vehicle can travel per unit of consumed fuel, measured in kilometers per liter (km/L). For example, if a vehicle has a fuel economy of 15 km/L, it means the vehicle can travel 15 km using just one liter of fuel.

Manufacturer and Vehicle Commercial Name: اسم الصانع والاسم التجاري للمركبة:	
Model Year: سنة الموديل:	Engine Size: سعة المحرك:
Drive Line: نوع الدفع:	Transmission: ناقل الحركة:
Vehicle Type: نوع المركبة:	Body Style: نوع الهيكل:
Fuel Economy (Km/L) اقتصاد الوقود (كم/لتر)	
<div>Excellent + ممتاز +</div> <div>Excellent ممتاز</div> <div>Very Good جيد جداً</div> <div>Good جيد</div> <div>Average متوسط</div> <div>Poor سيئ</div> <div>Very Poor سيئ جداً</div>	
	نوع الوقود: Fuel Type:
	ID:
إزالة أو تغطية أو العبث بهذه البطاقة قبل البيع يعرضك للملاحقة القانونية The removal, covering or damaging of this label before sale is punishable by law	

- The Fuel Economy Label helps consumers understand the energy efficiency of Light Duty Vehicles (LDVs) by comparing fuel economy when making a purchasing decision.
- Fuel economy ratings are divided into seven levels, with Excellent+ as the highest and Very Poor as the lowest.
- The implementation of the fuel economy label began in 2014, applying to 2015 model-year vehicles.
- An update was made in 2018 and applied to 2019 model-year vehicles, adding a new level "Excellent +".
- The 2018 update also expanded the label specification to include electric vehicles.

The new fuel economy labels that will be applied only to 2027 models and beyond

The current fuel economy label

Manufacturer and Vehicle Commercial Name: اسم الصانع والاسم التجاري للمركبة:	
Model Year: سنة الموديل:	Engine Size: سعة المحرك:
Drive Line: نوع الدفع:	Transmission: ناقل الحركة:
Vehicle Type: نوع المركبة:	Body Style: نوع الهيكل:
Fuel Economy (Km/L) اقتصاد الوقود (كم/لتر)	
<div>Excellent + ممتاز</div> <div>Excellent ممتاز</div> <div>Very Good جيد جداً</div> <div>Good جيد</div> <div>Average متوسط</div> <div>Poor سيئ</div> <div>Very Poor سيئ جداً</div>	
	نوع الوقود: Fuel Type: ID: 
إزالة أو تغطية أو العبث بهذه البطاقة قبل البيع يعرضك للملاحقة القانونية The removal, covering or damaging of this label before sale is punishable by law	

The new fuel economy labels

INTERNAL COMBUSTION ENGINE

بطاقة اقتصاد الوقود FUEL ECONOMY LABEL	
INTERNAL COMBUSTION ENGINE مركبة ذات محرك احتراق داخلي	
Fuel Economy اقتصاد الوقود (كم/لتر)	
<div>12.2 km/L</div> <div>Excellent + ممتاز</div> <div>Excellent ممتاز</div> <div>Very Good جيد جداً</div> <div>Good جيد</div> <div>Average متوسط</div> <div>Poor سيئ</div> <div>Very Poor سيئ جداً</div>	
نوع الدفع Drive Line دفع رباعي 4WD	سعة المحرك Engine Size لتر 3.4
اقتصاد الوقود Fuel Economy كم/لتر 12.2	نوع الوقود Fuel Type بنزين 91 Gasoline 91
اسم الصانع والاسم التجاري للمركبة:	
Model Year: 2027 سنة الموديل:	Transmission: Automatic ناقل الحركة:
Vehicle Type: Light Truck نوع المركبة:	Body Style: Pick up double cab نوع الهيكل:
إزالة أو تغطية أو العبث بهذه البطاقة قبل البيع يعرضك للملاحقة القانونية The removal, covering or damaging of this label before sale is punishable by law	

PLUG-IN HYBRID ELECTRIC VEHICLE

بطاقة اقتصاد الوقود FUEL ECONOMY LABEL	
PLUG-IN HYBRID ELECTRIC VEHICLE مركبة كهربائية هجينة ذات القابس	
Fuel Economy اقتصاد الوقود (كم/لتر)	
<div>18.8 km/L</div> <div>Excellent + ممتاز</div> <div>Excellent ممتاز</div> <div>Very Good جيد جداً</div> <div>Good جيد</div> <div>Average متوسط</div> <div>Poor سيئ</div> <div>Very Poor سيئ جداً</div>	
نوع الدفع Drive Line دفع ثنائي 2WD	سعة البطارية Battery Capacity kWh 17
اقتصاد الوقود Fuel Economy كم/لتر 15.3	نوع الوقود Fuel Type بنزين 91 Gasoline 91
اسم الصانع والاسم التجاري للمركبة:	
Model Year: 2027 سنة الموديل:	Transmission: Automatic ناقل الحركة:
Vehicle Type: Passenger Car نوع المركبة:	Body Style: Sedan نوع الهيكل:
إزالة أو تغطية أو العبث بهذه البطاقة قبل البيع يعرضك للملاحقة القانونية The removal, covering or damaging of this label before sale is punishable by law	

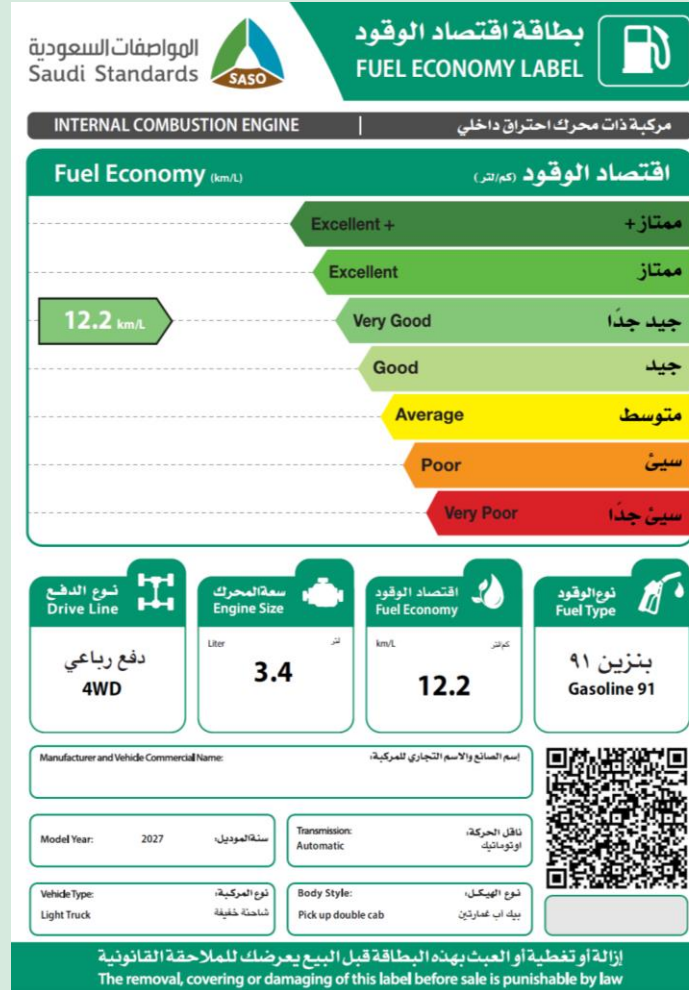
BATTERY ELECTRIC VEHICLES

بطاقة اقتصاد الوقود FUEL ECONOMY LABEL	
BATTERY ELECTRIC VEHICLE مركبة كهربائية تعمل بواسطة البطارية	
Fuel Economy اقتصاد الوقود (كم/لتر)	
<div>21.1 km/L</div> <div>Excellent + ممتاز</div> <div>Excellent ممتاز</div> <div>Very Good جيد جداً</div> <div>Good جيد</div> <div>Average متوسط</div> <div>Poor سيئ</div> <div>Very Poor سيئ جداً</div>	
نوع الدفع Drive Line دفع ثنائي 2WD	سعة البطارية Battery Capacity kWh 60
اقتصاد الوقود Fuel Economy كم/لتر 21.1	نوع الوقود Fuel Type لا ينطبق Not Applicable
اسم الصانع والاسم التجاري للمركبة:	
Model Year: 2027 سنة الموديل:	Transmission: Automatic ناقل الحركة:
Vehicle Type: Passenger Car نوع المركبة:	Body Style: Sedan نوع الهيكل:
إزالة أو تغطية أو العبث بهذه البطاقة قبل البيع يعرضك للملاحقة القانونية The removal, covering or damaging of this label before sale is punishable by law	

The new fuel economy label can be divided into four main sections

Top section of the label:
It includes the Saudi Standards, Metrology and Quality Organization (SASO) logo and the vehicle technology type.

Lower middle section of the label:
It includes the fuel type, fuel economy value, engine size, and drive line.




Upper middle section of the label:
It contains the energy efficiency data, including the fuel economy rating levels and the fuel economy value.

Bottom section of the label:
It includes the manufacturer and vehicle commercial name, model year, transmission type, body style, vehicle type, QR code, and the regulatory statement.

Differences between the new and the current fuel economy label levels for vehicles classified as Passenger Cars

- The fuel economy levels show a slight decrease when comparing the current label to the new label


 Current Status		
Passenger Car Label Fuel Economy Levels		
Grade	Lower Limit km/l	Upper Limit km/l
Excellent +	17.8	+
Excellent	14.7	17.7
Very Good	14.2	14.6
Good	13.6	14.1
Average	13	13.5
Poor	12.5	12.9
Very Poor	-	12.4




 New Update		
Passenger Car Label Fuel Economy Levels		
Grade	Lower Limit km/l	Upper Limit km/l
Excellent +	20.9	+
Excellent	17.8	20.8
Very Good	14.7	17.7
Good	14.2	14.6
Average	13.6	14.1
Poor	13	13.5
Very Poor	-	12.9

Differences between the new and the current fuel economy label levels for vehicles classified as Light Trucks

- The fuel economy levels show a slight decrease when comparing the current label to the new label

 Current Status		
Light Truck Label Fuel Economy Levels		
Grade	Lower Limit km/l	Upper Limit km/l
Excellent +	14.3	+
Excellent	12.1	14.2
Very Good	11.6	12
Good	11.1	11.5
Average	10.5	11
Poor	10	10.4
Very Poor	-	9.9



 New Update		
Light Truck Label Fuel Economy Levels		
Grade	Lower Limit km/l	Upper Limit km/l
Excellent +	17.4	+
Excellent	14.3	17.3
Very Good	12.1	14.2
Good	11.6	12
Average	11.1	11.5
Poor	10.5	11
Very Poor	-	10.4

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Fuel Economy Labeling Requirements

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Fuel Economy Labeling Requirements

The Fuel Economy Label is an informative label placed on the vehicle to inform consumers about the vehicle's energy efficiency level. Automobile manufacturers are required to apply obtain the label for each vehicle model, and to affix the label on each vehicle before it is placed on the Saudi market.

Service Requirements

- Certificate of conformity (issued by GSO) for ICE vehicles.
- Certificate of conformity (issued by SASO) for BEVs and PHEVs.
- Copy of the user manual showing the fuel type of the vehicle.

Estimated Process Time

- 5 working days



Certification Process

Certification Process based on the international Standard ISO/IEC 17065:2012



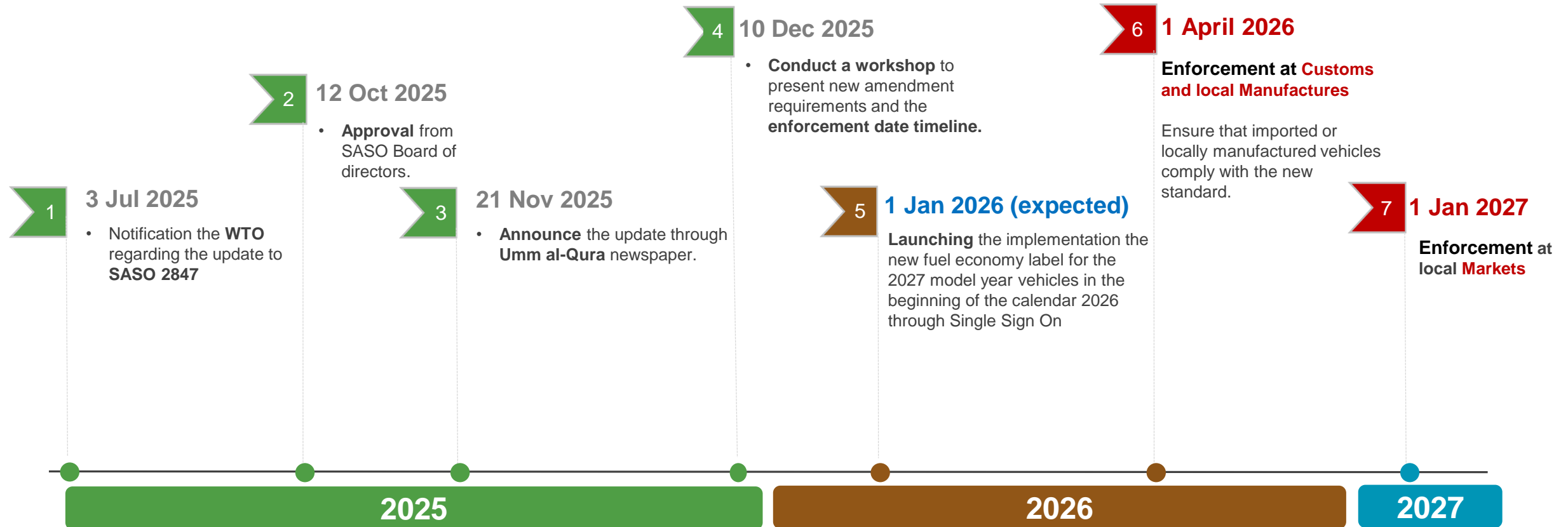
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As for the vehicles (2026 model and older) already in Saudi Market:

- 1. Vehicles will remain valid according to the licenses and certificates previously issued.**
- 2. There is No label replacement for the old Fuel Economy label.**

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Key Questions & Answers

System & Registration

- When does the registration begin for the new labels?
Starting from [01/01/2026] for vehicles of model year 2027 and beyond.

Labeling Requirements

- Is there a new requirements to obtain the new labels?
No, there is **no** new requirements and **no** updated test required to obtain the new labels.

Compliance & Testing

- Will the rated fuel economy value change after implementing the updated standard ?
No, The only change will be in the **label classification and design**.
- Are new fuel economy test reports required for 2027, or are previous reports acceptable?
There are no new requirements. In addition, fuel economy tests and the documentation required for vehicle registration will remain **the same** and the only change will be in the **label classification and design**.



Key Questions & Answers

No-Replacement Rule (2026 model and earlier)

- Can 2026 model or older vehicles be relabeled or updated to meet the new standard?
The standard does not require updating the labels for 2026 model vehicles or older, and no label replacement required.

Enforcement & Timeline

- When does enforcement at customs starts?
The enforcement at customs starts on **[1 April 2026]**.
- What would be considered at customs outlet starting from [1 April 2026]?
Effective from [1 April 2026], the entry of **new 2027 model vehicles** through customs will only be permitted if they carry the **new label**.
- When the enforcement at market and showroom starts?
The enforcement at Markets starts on **[1 Jan 2027]**.
- What happens to old labels found on 2027 models?
old labels found on 2027 models and beyond considered **non-compliant** to the standard requirements and will be subjected to further legal actions.
- For local production, is enforcement based on production date or model year?
The enforcement based on **model year** (2027 and beyond).

Thank You.

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