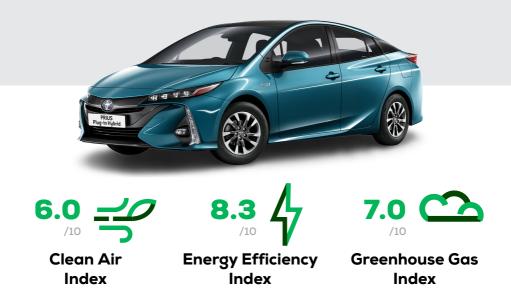






Toyota Prius

1.8 plug-in hybrid 4x2 CVT





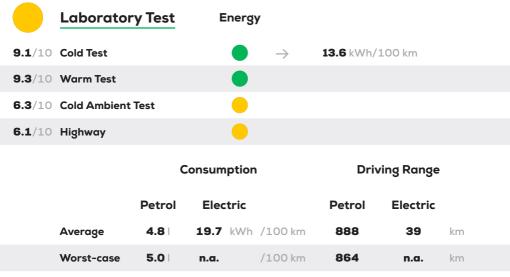
	Laboratory Te	st NM	нс по	x NH₃	со	PN
6.9 /10	Cold Test				•	
7.7 /10	Warm Test					
3.1 /10	Cold Ambient Test					•
7.5 /10	Highway					
	Road Test					
7.1 /10	On-Road Drive					•
2.5 /8	On-Road Heavy Lo	ad 🖉			•	
2.3 /5	On-Road Light Loa	d			•	
4.0 /5	On-Road Short Trip					
2.0 /2	Congestion					
	Robustness					
		•	•		•	
	n.a. god	od adequate	marginal	weak	poor	

Comments

In general, the Prius does a good job of controlling pollutant emissions, even when driven in petrol mode. However, the car tested by Green NCAP was not equipped with a gasoline particulate filter (GPF) and particulate number was somewhat elevated in the cold ambient temperature test. Green NCAP is informed that current production vehicles are equipped with a GPF.



Energy Efficiency Tests



Consumption in electric mode: 13.7 kWh/100 km electric + 0.7 l/100 km fuel



Comments

The Prius PHEV performs extremely well in this part of the assessment, with an average consumption of just 4.8 l/100 km in petrol mode. In its mainly-electric mode, energy consumption is modest although, even in this mode, there was some consumption of fuel.







Comments

Emissions of the unregulated pollutants N₂O (laughing gas) and CH₄ (Methane) are vanishingly small, and those of carbon dioxide (CO₂) are low, giving an index of 7/10 in this part of the assessment.



Our Verdict

Toyota has been committed to electrification for many years and, in 1997, the Prius became the earliest hybrid vehicle in mainstream production. Toyota's experience in the field has paid off and the plug-in hybrid version of this, the fourth-generation Prius, impresses on many levels. Pollutant emissions are well controlled and the values recorded here would be improved by the gasoline particulate filter fitted to current production cars. Energy efficiency is extremely good, the dual motor generator drive system, powered by an 8.8 kWh lithium-ion battery, interacting well with the 1.8 litre petrol engine, giving an index of 8.3 in this part of the assessment. Overall, the Prius PHEV shows what can be achieved by a well-engineered plug-in hybrid, and emerges from Green NCAP's tests with a worthy 4 star rating.

Disclaimer

Publication Date 02 2021 Tested Car XA3FPX0307xxxx

Mass 1,536 kg Engine Size 1,798 cc

Declared Battery Capacity 8.79 kWh Emissions Class Euro 6c

Engine Power/Torque 90 kW/142 Nm

Published Driving Range n.a. Tyres 195/65 R15

Published CO₂ 28 g/km



Think before you print