



2021

Hyundai Tucson

1.6 GDI petrol 4x2 manual



2.6 
/10

Clean Air
Index

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Clean Air Tests



Laboratory Test

	NMHC	NO _x	NH ₃	CO	PN
0.0/10 Cold Test	adequate	adequate	poor	poor	weak
5.4/10 Warm Test	good	adequate	poor	marginal	weak
0.0/10 Cold Ambient Test	weak	adequate	poor	poor	weak
0.0/10 Highway	good	good	poor	poor	weak



Road Test

5.4/10 On-Road Drive	n.a.	adequate	n.a.	adequate	weak
0.0/8 On-Road Heavy Load	n.a.	good	n.a.	poor	weak
2.0/5 On-Road Light Load	n.a.	marginal	n.a.	good	weak
3.8/5 On-Road Short Trip	n.a.	adequate	n.a.	adequate	adequate
2.0/2 Congestion	n.a.	good	n.a.	n.a.	n.a.



Robustness



n.a.



good



adequate



marginal



weak



poor

Comments

NO_x is well controlled in all of the tests and particulate number is never excessive, despite the lack of a gasoline particulate filter. However, in most of the laboratory tests, emissions of CO are high, sufficiently so that the car loses all points for these tests. This contributes to a Clean Air Index of only 2.6.

Energy Efficiency Tests



Laboratory Test

Energy

3.5/10 Cold Test



4.3/10 Warm Test



1.6/10 Cold Ambient Test



2.0/10 Highway



Consumption

Driving Range

Average

8.2 l/100 km

774 km

Worst-case

9.3 l/100 km

668 km



n.a.



good



adequate



marginal



weak
















poor

Comments

Energy efficiency is unimpressive with a worst-case fuel consumption of 9.3 l/100 km in the cold ambient temperature test and index value of 2.8 in this part of the assessment.

3.4 Greenhouse Gases Tests

/10

	<u>Greenhouse gases</u>	CO ₂	N ₂ O	CH ₄
2.7/7	Cold Test			
3.1/7	Warm Test			
1.9/7	Cold Ambient Test			
2.2/7	Highway			



n.a.



good



adequate



marginal



weak



poor

Comments


Emissions of ammonia, NH₃, and of Methane, CH₄, which are unregulated by legislation, are low in all of the tests. However, CO₂ emissions are quite high, exceeding the declared value of 183 g/km in the cold ambient temperature and high-load highway tests.

Our Verdict

The Tucson has been in Hyundai's line-up for many years and is tested here in its third-generation form, available since 2015. The test vehicle's 1.6 petrol engine delivers 97 kW and 161 Nm of torque and, as after-treatment, has only a three-way catalyst. The Tucson has uniformly low index values in all three areas of assessment. Carbon monoxide emissions severely limit the scoring in the Clean Air index. While emissions of the more potent greenhouse gases are low, emissions of carbon dioxide (CO₂) are relatively high, reflecting the low energy efficiency of the vehicle. Overall, the third-generation Tucson disappoints with a 1½ star rating and it is hoped that the recently-introduced all-new vehicle will perform better.

Disclaimer

Publication Date	Tested Car	Emissions Class	Tyres
02 2021	TMAJ3811LKJ86xxxx	Euro 6d-Temp	225/60R17 99H
Mass	Engine Size	Engine Power/Torque	Published CO ₂
1,483 kg	1,591 cc	97 kW/161 Nm	183 g/km
Declared Battery Capacity	Published Driving Range		
n.a.	n.a.		

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