Crash Tests

New Car Safety

Volkswagen Tiguan

03/2008 on 01/0001 - Frontal+Side+Head

Overall Evaluation

Overall Score **34.25 out of 37**
Variant: Trend (LHD)
Engine: 2 litre diesel
Category: Medium SUV

The diesel left-hand-drive European model was tested by Euro NCAP. Australasian specifications may vary and therefore models sold in Australasia might provide different levels of protection to those described on this page.

Model History and Safety Features

The tested model of Tiguan was introduced in Australia and New Zealand during 2008.
Dual front airbags, side airbags and head-protecting side curtains are standard equipment. Antilock brakes (ABS), electronic brake distribution (EBD) and electronic stability control (ESC) are also standard. Intelligent seat belt reminders are fitted to both front seats.
The front seat belt buckles are mounted on the seats and the upper anchorages are adjustable. These features improve the fit of the seat belt. Pretensioners are fitted to the front seat belts to reduce slack in the event of a crash. A three point seat belt is fitted to the centre rear seat. This provides better protection than a two point (lap) seat belt.

Overall Evaluation: 5

5 Stars. The Tiguan scored 14.25 out of 16 in the offset crash test. The passenger compartment held its shape well. There was a slight risk of serious chest and leg injury for the driver and passenger.
The vehicle scored 16 out of 16 in the side impact crash test and a further two points in the optional pole test.

Frontal Offset Crash Test

Body region scores out of 4 points each: Head/neck 4 pts, chest 3.68 pts, upper legs 3 pts, lower legs 3.57 pts.
The passenger compartment held its shape well in the offset crash test. The brake pedal moved rearwards by 29 mm and upwards 2 mm. The steering wheel hub moved 63mm forward, 14mm downward and 1mm sideways. The front ("A") pillar moved 5 mm rearwards. All doors remained closed during the crash. After the crash all door could be opened with normal effort.
The airbag cushioned the head of the driver and contact was stable. Steering column and dash components were a potential source of injury for the driver's knees. The passenger's head was cushioned by the airbag.

Side Impact Crash Test

Body region scores out of 4 points each: Head 4 pts, chest 4 pts, abdomen 4 pts, pelvis 4 pts.
The side impact test simulates a small car striking the driver's door of the vehicle under test. It is based on a regulation test but the regulation does not apply to vehicles with a high seat height like the Tiguan. Experience shows that such vehicles can be expected to perform well in this test and the Tiguan scored full marks. The vehicle was eligible for an optional pole impact test, since it had head-protecting side airbags and scored four points for the head in the side impact test. The manufacturer decided to go ahead with the pole test and the vehicle earned a further two points.

Pedestrian rating (v4.1)

The bumper scored maximum points for the protection it offered to pedestrians' legs. However, the front edge of the bonnet provided poor levels of protection. Child head impacts 5.28

Adult head impacts	5.92
Upper leg impacts	Zero
Lower leg impacts	6
Total (out of 36)	17.20

Offset crash test at 64km/hr



Injury Measurements

Refer to the information sheet 'How the tests are done'	Offset Crash Test at 64km/h (v4.1)		Side Impact Crash Test aa 50km/h (v4.1)
	Driver	Passn	Driver
Head			
- HIC	378	467	36
- Acceleration (g for 3ms)	43.9	53.2	23.5
Neck			
- Shear (kN)	0.31	0.51	
- Tension (kN)	1.19	0.92	
- Extension (Nm)	16.4	18.6	
Chest			
- Acceleration (g for 3ms)			
- Compression (mm)	22.43	24.21	12.07
- Viscous Criterion (m/s)	0.08	0.06	0.05
Abdomen			
- Force (kN)			0.42
Pelvis			
- Force (kN)			1.06
Upper Legs Force (kN)			
- Left	0.15	0.52	
- Right	0.89	0.55	
Knee Displacement (kN)			
- Left	0	2.5	
- Right	3.7	0	
Lower Legs Force (kN)			
- Left	1.3	2.51	
- Right	2.35	2.65	
Index (Upper | Lower)			
- Left	0.36 | 0.28	0.24 | 0.3	
- Right	0.27 | 0.33	0.29 | 0.26	

Bonus points (maximum 5)
Pole Test: 2 pts
Seat Belt Reminders: 2

Modifiers for offset test scores

Head	No deduction
Chest	No deduction
Upper leg	1pt deduction L & R
Lower leg	No deduction
Foot score	4 points
Structure	

Modifiers for side impact test scores

Head	
Chest	No deduction
Upper leg	
Lower leg	
Foot score	
Structure	

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