

TEST RESULTS

# Volvo XC60

Volvo XC60 diesel 'Momentum', LHD

2009 ★★★★★



ADULT OCCUPANT



CHILD OCCUPANT



PEDESTRIAN



SAFETY ASSIST

## ADULT OCCUPANT

Total 34 pts | 94%

### FRONTAL IMPACT

15,5 pts



Driver



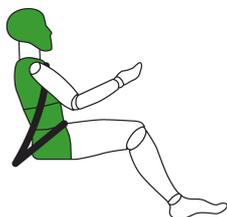
Passenger

### SIDE IMPACT CAR

8 pts

### SIDE IMPACT POLE

6,6 pts



Car



Pole

### REAR IMPACT (WHIPLASH)

3,5 pts



- GOOD
- ADEQUATE
- MARGINAL
- WEAK
- POOR

### FRONTAL IMPACT

#### HEAD

Driver airbag contact	stable
Passenger airbag contact	stable

#### CHEST

Passenger compartment	stable
Windscreen Pillar rearward	3mm
Steering wheel rearward	none
Steering wheel upward	none
Chest contact with steering wheel	none

#### UPPER LEGS, KNEES AND PELVIS

Stiff structures in dashboard	none
Concentrated loads on knees	none

#### LOWER LEGS AND FEET

Footwell Collapse	none
Rearward pedal movement	accelerator - 40mm
Upward pedal movement	brake - 9mm

### SIDE IMPACT

Head protection airbag	Yes
Chest protection airbag	Yes

### WHIPLASH

Seat description	
Head restraint type	
Geometric assessment	1 pts

#### TESTS

- High severity	1,9 pts
- Medium severity	3 pts
- Low severity	2,9 pts

# TEST RESULTS

## CHILD OCCUPANT

Total 39 pts | 79%

### 18 MONTH OLD CHILD

**Restraint** Volvo Childseat  
**Group** 0, 0+, 1  
**Facing** rearward  
**Installation** Adult seatbelt



**PERFORMANCE** 11,9 pts  
**INSTRUCTIONS** 4 pts  
**INSTALLATION** 2 pts

### FRONTAL IMPACT

**Head forward movement** protected  
**Head acceleration** good  
**Chest load** good

### SIDE IMPACT

**Head containment** protected  
**Head acceleration** good

### 3 YEAR OLD CHILD

**Restraint** Volvo Childseat  
**Group** 0, 0+, 1  
**Facing** rearward  
**Installation** Adult seatbelt



**PERFORMANCE** 12 pts  
**INSTRUCTIONS** 4 pts  
**INSTALLATION** 2 pts

### FRONTAL IMPACT

**Head forward movement** protected  
**Head acceleration** good  
**Chest load** good

### SIDE IMPACT

**Head containment** protected  
**Head acceleration** good

### VEHICLE BASED ASSESSMENT

3 pts

### Airbag warning Label

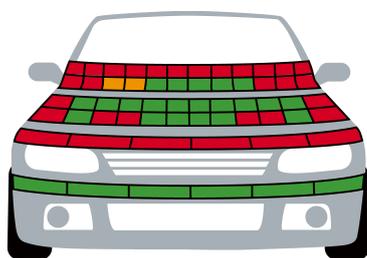
Non-permanent pictogram lables at end of facia and on passenger side A pillar

## PEDESTRIAN

Total 17 pts | 48%

## SAFETY ASSIST

Total 6 pts | 86%



**GOOD**  
**MARGINAL**  
**POOR**

**HEAD** 11,3 pts  
**PELVIS** 0 pts  
**LEG** 6 pts

### SPEED LIMITATION ASSISTANCE 0 pts

- 0, not available

### ELECTRONIC STABILITY CONTROL (ESC) 3 pts

- standard

### SEATBELT REMINDER 3 pts

- driver 1 pts  
 - passenger 1 pts  
 - rear 1 pts

## DETAILS OF TESTED CAR

### SPECIFICATIONS

<b>Tested model</b>	Volvo XC60 diesel 'Momentum', LHD
<b>Body type</b>	5 door crossover
<b>Year of publication</b>	2009
<b>Kerb weight</b>	1850kg
<b>VIN from which rating applies</b>	applies to all XC60's

### SAFETY EQUIPMENT

<b>Front seatbelt pretensioners</b>	
<b>Front seatbelt load limiters</b>	
<b>Driver frontal airbag</b>	dual stage
<b>Front passenger frontal airbag</b>	dual stage
<b>Side body airbags</b>	
<b>Side head airbags</b>	

## COMMENTS

### Adult occupant

The passenger compartment remained stable in the impact and the windscreen pillar was displaced rearward only 3mm after the test. The steering column is designed to collapse horizontally away from the driver and this created additional space for protection. Degressive adaptive load-limiters tailor the restraint of the occupants according to the position of the seat and the severity of the accident. Dummy readings indicated good protection of the knees and femurs and Volvo were able to demonstrate that similar levels of protection would be provided to occupants of different sizes and to those sat in different positions.

The XC60 scored maximum points for the protection provided in the car side impact test. In the pole side impact, protection of the chest was marginal. Good protection was provided against whiplash injuries.

### Child occupant

Both dummies were seated in rearward-facing child restraints. Based on dummy readings in the dynamic tests, the XC60 scored maximum points for its protection of the 3 year child and lost only a fraction of a point for the 1½ year infant. The passenger airbag can be disabled to allow a rearward facing child seat to be used in that position. However, information provided to the driver regarding the status of the airbag is not sufficiently clear. The label warning of the dangers of using a rearward facing seat in that position without first disabling the airbag was not clear and were not permanently attached. The presence of ISOFIX anchorages in the rear outboard seats was not clearly marked.

### Pedestrian

The bumper scored maximum points for the protection offered to pedestrians' legs. However, additional tests showed that some areas beyond the central zone provided poor protection. In the area likely to be hit by a child's head, protection provided by the bonnet provided was predominantly fair. However, protection was mostly poor for an adult's head and the front edge of the bonnet scored no points.

### Safety assist

Electronic Stability Control is standard equipment on all of the model range. The XC60 has a seatbelt reminder system for the front and rear seats.