

# TEST RESULTS

## Volvo V60

Volvo V60 2.0 diesel 'Momentum', LHD

2011



ADULT OCCUPANT



CHILD OCCUPANT



PEDESTRIAN



SAFETY ASSIST

### ADULT OCCUPANT

Total 34 pts | 94%

#### FRONTAL IMPACT

15,3 pts



Driver



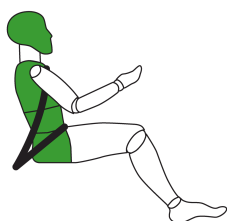
Passenger

#### SIDE IMPACT CAR

8 pts

#### SIDE IMPACT POLE

6,9 pts



Car



Pole

#### REAR IMPACT (WHIPLASH)

3,6 pts



#### FRONTAL IMPACT

##### HEAD

Driver airbag contact	stable
Passenger airbag contact	stable

##### CHEST

Passenger compartment	stable
Windscreen Pillar rearward	1mm
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	none
Upward pedal movement	none

#### SIDE IMPACT

Head protection airbag	Yes
Chest protection airbag	Yes

#### WHIPLASH

Seat description	Standard cloth 6 way manual
Head restraint type	Fixed
Geometric assessment	0,8 pts

#### TESTS

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

# TEST RESULTS

## CHILD OCCUPANT

Total 40 pts | 82%

### 18 MONTH OLD CHILD

**Restraint** Volvo Convertible Child Seat  
**Group** 1-2  
**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

### 3 YEAR OLD CHILD

**Restraint** Volvo Convertible Child Seat  
**Group** 1-2  
**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

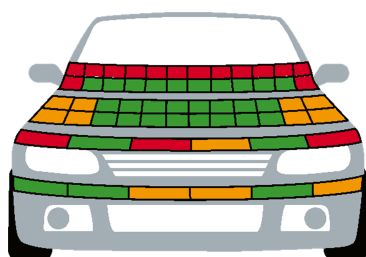
4 pts

**Airbag warning Label**

Non-permanent pictogram on facia end

## PEDESTRIAN

Total 23 pts | 64%



**GOOD** (Green)  
**MARGINAL** (Yellow)  
**POOR** (Red)

**HEAD** 14,7 pts  
**PELVIS** 2,8 pts  
**LEG** 5,7 pts

## SAFETY ASSIST

Total 7 pts | 100%

### SPEED LIMITATION ASSISTANCE

1 pts

- active, standard

Pass

### ELECTRONIC STABILITY CONTROL (ESC)

3 pts

- DTSC

Pass

Yaw rate ratio (1.00s) 1,49 %

Yaw rate ratio (1.75s) 0,99 %

Lateral displacement (1.07s) 3,22 m

### SEATBELT REMINDER

3 pts

- driver Pass

- passenger Pass

- rear Pass

## DETAILS OF TESTED CAR

### SPECIFICATIONS

<b>Tested model</b>	Volvo V60 2.0 diesel 'Momentum', LHD
<b>Body type</b>	5 door wagon
<b>Year of publication</b>	2011
<b>Kerb weight</b>	1672kg
<b>VIN from which rating applies</b>	applies to all V60 of the specification tested

### 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>	
<b>Speed Limitation Assistance</b>	active
<b>Electronic Stability Control</b>	
<b>Seatbelt Reminder</b>	driver, passenger and rear seats

## COMMENTS

Based on data reviewed by Euro NCAP, a similar level of safety performance can be expected from the Volvo S60 (2010-)

### Adult occupant

The passenger compartment remained stable in the frontal impact, the windscreen pillar being deformed rearward only 1mm after the test. Dummy readings indicated good protection of the knees and femurs of the driver and passenger. Volvo showed that a similar level of protection would be provided for occupants of different sizes and to those sat in different positions. In the side barrier test, the V60 scored maximum points, all body regions being well protected. In the more severe side pole impact, dummy readings of rib compression indicated marginal protection of the chest. The seat and its fixed-position head restraint provided good protection against whiplash injuries in a rear-end collision.

### Child occupant

Both child dummies were seated rearward-facing in the frontal and side impact tests. The V60 gained maximum points for its protection of the dummies in the dynamic tests. The passenger airbag can be disabled to allow a rearward facing child restraint to be used in that seating position. However, information provided to the driver regarding the status of the airbag is not sufficiently clear. A non-permanent pictogram-only label gives insufficient warning of the dangers of using a rearward facing restraint in this seating position without first disabling the airbag.

### Pedestrian

The bumper provided good protection in some of the areas tested and marginal in others. In most areas likely to be struck by a child, the bonnet provided good protection against head injuries. In those areas likely to be struck by an adult's head, protection was predominantly poor but good in several of the areas tested.

### Safety assist

Electronic Stability Control is standard equipment on the V60 and met Euro NCAP's test requirements. A driver-set speed limitation device is also standard, along with a seatbelt reminder system for the driver, front passenger and rear seats.