

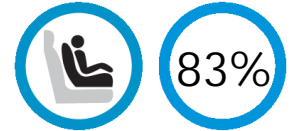
# Volvo V60 Plug-In Hybrid

Volvo V60 2.4 diesel plug-in hybrid 'Momentum', LHD

2012



ADULT OCCUPANT



CHILD OCCUPANT



PEDESTRIAN



SAFETY ASSIST

## ADULT OCCUPANT

Total 33 pts | 93%

### FRONTAL IMPACT

14,3 pts



Driver



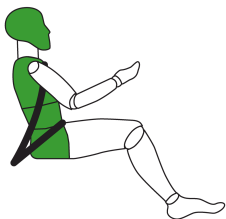
Passenger

### SIDE IMPACT CAR

8 pts

### SIDE IMPACT POLE

7,5 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	41mm
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	brake - 65mm
Upward pedal movement	brake - 40mm

### SIDE IMPACT

Head protection airbag	Yes
Chest protection airbag	Yes

### WHIPLASH

Seat description	Standard textile, 6 way manual
Head restraint type	Passive
Geometric assessment	0,8 pts

#### TESTS

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

## CHILD OCCUPANT

Total 41 pts | 83%

## 18 MONTH OLD CHILD

**Restraint** Volvo child restraint  
**Group** 1-2  
**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 child restraint  
**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

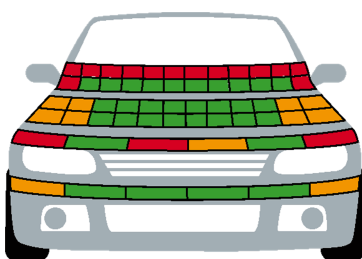
5 pts

Airbag warning Label

Text and pictogram on both sides of the passenger sun visor

## PEDESTRIAN

Total 23 pts | 65%



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

**HEAD** 14,7 pts  
**PELVIS** 2,8 pts  
**LEG** 5,8 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) 1,47 %  
 Yaw rate ratio (1.75s) 1,35 %  
 Lateral displacement (1.07s) 3,22 m

## SEATBELT REMINDER 3 pts

- driver Pass  
 - passenger Pass  
 - rear Pass

## DETAILS OF TESTED CAR

### SPECIFICATIONS

Tested model	Volvo V60 2.4 diesel plug-in hybrid 'Momentum', LHD
Body type	5 door wagon
Year of publication	2012
Kerb weight	2020kg
VIN from which rating applies	applies to all V60 Plug-In Hybrids of the specification tested

### SAFETY EQUIPMENT

Front seatbelt pretensioners	also rear pre-tensioners
Front seatbelt load limiters	
Driver frontal airbag	dual stage
Front passenger frontal airbag	dual stage
Side body airbags	
Side head airbags	
Speed Limitation Assistance	active
Electronic Stability Control	
Seatbelt Reminder	Driver, passenger and rear

## COMMENTS

### Adult occupant

The passenger compartment remained stable in the frontal impact. 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 Plug-In Hybrid scored maximum points, with good protection of all body areas. Even in the more severe side pole test, protection of the chest was adequate and that of other body regions was good. The seat and head restraint provided good protection against whiplash injuries in the event of a rear-end collision.

### Child occupant

Based on dummy readings in the dynamic crash tests, the V60 hybrid scored maximum points for its protection of the 3 year infant. In the side impact, both dummies were properly contained within the protective shells of their restraints, minimising the likelihood of head contact with parts of the car interior. The passenger airbag can be disabled by means of a switch. However, information provided to the driver regarding the status of the airbag is not sufficiently clear. The dangers of using a rearward-facing restraint in that seat without first disabling the airbag are clearly indicated on labels in the car.

### Pedestrian

The protection offered by the bumper to pedestrians' legs was good in most areas tested. The front edge of the bonnet was predominantly poor or marginal. In most areas where the bonnet would be struck by the head of a child, good protection was provided but the protection offered to an adult's head was predominantly poor but was good in several of the areas tested.

### Safety assist

The V60 Plug-In Hybrid has electronic stability control as standard, and the car passed Euro NCAP's test requirements. Seatbelt reminders are provided for the front and rear seats and a driver-set speed limitation device is also standard on all variants.