

EUROPEAN NEW CAR
 ASSESSMENT PROGRAMME
VOLVO C30

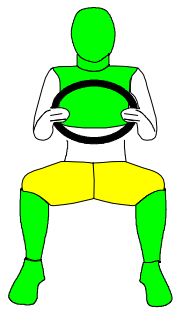


2009

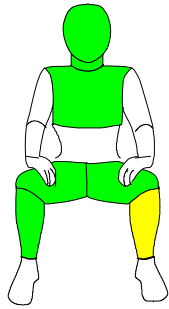
	Adult Occupant	Child Occupant	Pedestrian	Safety Assist	
Score	32.801	38.000	9.241	5.000	
Max Points available	36	49	36	7	
Normalised Score (%)	91	78	26	71	
Weighting (%)	50	20	20	10	TOTAL
Weighted Percentage Score	45.5	15.6	5.2	7.1	73

Rating Requirements (2009)

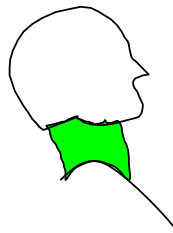
	Normalised Score (%)				TOTAL
★★★★★	75	70	25	60	70
★★★★	60	55	15	40	55
★★★	30	30	10	25	45
★★	25	25	5	15	35
★	15	15	0	5	20



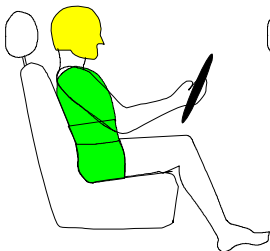
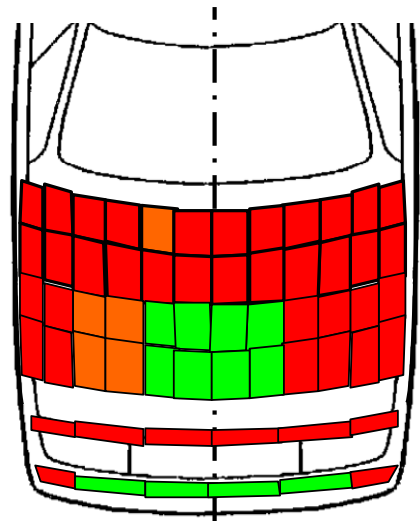
Driver



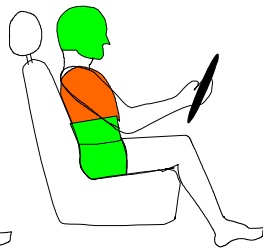
Passenger



Rear Impact (Whiplash)



Side



Pole

TEST RESULTS IN FULL	
FRONTAL IMPACT HEAD	
Driver airbag contact	stable
Passenger airbag contact	stable
Steering Wheel	
rearward displacement	none
upward displacement	none
lateral displacement	none
FRONTAL IMPACT CHEST	
Contact with steering wheel	none
Screen pillar rearward	24mm
Passenger compartment integrity	stable
FRONTAL IMPACT UPPER LEGS, KNEES AND PELVIS	
Stiffer structures present	yes: knee bolster, steering column and column shroud
Concentrated knee loading	none
FRONTAL IMPACT LOWER LEGS, FEET AND ANKLES	
Rearward pedal displacement	brake - 26mm
Upward pedal displacement	brake - 8mm
Footwell rupture	none
SIDE IMPACT AIRBAGS	
Head protection airbag	yes
Torso protection airbag	yes
CHILD PROTECTION	
Restraints used	
18 month old	Volvo child seat, vehicle specific, rearward-facing using adult seatbelt
3 year old	Volvo child seat, vehicle specific, rearward-facing using adult seatbelt
CHILD RESTRAINTS FRONTAL IMPACT	
Airbag disabling/warning label	Non-permanent pictogram label on end of fascia and non-permanent text warning on A-pillar
Forward head movement	
18 mth old (behind passenger)	protected
3 year old (behind driver)	protected
Chest Protection	
18 mth old: total load	good
vertical load	good
3-year-old: total load	good
vertical load	good
CHILD RESTRAINTS SIDE IMPACT	
Head protection	
18 mth old (struck side)	protected
3 year old (non-struck side)	protected
Head acceleration	
18 mth old	good
3 year old	good



Make, model and hand of drive	Volvo C30, 1.8 Momentum, LHD
Body type	3 door hatchback
Year assessed	2009
Kerb weight	1352kg
Chassis number from which Euro NCAP rating applies	applies to all C30's of specification tested
Safety Equipment	Driver and passenger dual-stage frontal airbags; horizontally-stroking collapsible steering column; side impact airbags; side-impact protection system (SIPS); head-protecting curtain airbag; front and rear seatbelt pretensioners; front seatbelt load-limiters; top-tether anchorages in rear outboard seats; DSTC, brake-assist and BLIS blind-spot detection system, WHIPS whiplash protection system for front seats, IDIS intelligent driver information system



COMMENTS

ADULT OCCUPANT	The steering-wheel moved forward during the impact to provide greater protection for the driver. The driver dummy scored maximum points in the test but the car lost points because of some stiff structures in the dashboard which might affect the knees or femurs of larger or smaller occupants. The car scored maximum points based on the dummy results in the side impact. However, the head curtain airbag was prevented from deploying fully by the child restraint system in the rear seat and the score for the driver's head was penalised as a result. In the side pole test, dummy readings of rib deflection indicated marginal chest protection. The front seats and head restraints provided good protection against whiplash injury in the event of a rear-end collision.
CHILD PROTECTION	The C30 scored maximum points for its protection of the 1½ year old in the dynamic tests. The passenger airbag can be disconnected by Volvo dealers, allowing a rearward-facing child restraint to be used in that seating position. Volvo also offer an airbag deactivation switch as an option. However, the switch system does not provide clear information to the driver regarding the status of the passenger airbag. The presence of ISOFIX and top-tether anchorages was not clearly marked.
PEDESTRIAN PROTECTION	The leading edge of the bonnet scored no points for the protection it offered to pedestrians' legs and the bonnet was predominantly rated as poor for the protection of adults' heads. However, the protection offered by the bumper was predominantly rated 'fair'.
SAFETY ASSIST	Electronic Stability Control is standard equipment across the model range, as is a seatbelt reminder system for the driver and front passenger seats.

Euro NCAP's rating applies fully only to the model with the specifications detailed here. Some equipment may not be fitted as standard to all versions in all countries. You should ensure that your car is fitted with the safety equipment you require.



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