

Press Release

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First official Volvo V60 Plug-in Hybrid test drive in Berlin – advanced technology combined with luxury design from Volvo Car Corporation

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The first official road test drive with the unique Volvo V60 Plug-in Hybrid will take place at the 11th Michelin Challenge Bibendum in Berlin (18-22 May 2011).

All in all, Volvo Car Corporation enters the sustainability rally with three cars that emphasise the company's leadership in combining environmental technology with a full luxury car experience.

The Volvo V60 Plug-in Hybrid, the Volvo C30 Electric and the Volvo V50 DRIVE featured in Berlin are three examples of Volvo Car Corporation's uncompromising attitude to green motoring.

"In order to get true car enthusiasts to think green, you have to offer them the opportunity to drive with low carbon dioxide emissions without taking away the adrenaline rush that promotes genuine driving pleasure," says Peter Mertens, Senior Vice President Research and Development at Volvo Car Corporation. He adds:

"Since the Michelin Challenge Bibendum drives include acceleration and handling tests as well as energy efficient driving, we expect that our cars will do very well. All of them are just as well equipped, comfortable, sporty and safe as all Volvo models."

Volvo V60 Plug-in Hybrid - three cars in one

The Volvo V60 Plug-in Hybrid, which makes its official road test debut at Michelin Challenge Bibendum, integrates the very best properties from three different car types into a single attractive sports wagon. The driver chooses the preferred driving mode via three buttons on the instrument panel: Pure, Hybrid and Power.

- In Pure mode the car runs only on its electric motor as much as possible. The driving range is up to 50 km.
- In the default Hybrid mode the diesel engine and electric motor interact to provide the optimal balance between driving pleasure and low environmental impact. Emissions of CO₂ (NEDC) are 49 g/km, corresponding to diesel fuel consumption of 1.9 l/100 km. The car's total range is up to 1200 km.
- In Power mode the technology is optimised to give the car the best possible performance. The diesel engine and electric motor have a combined power output 215 + 70 horsepower and maximum torque of 440 + 200 Nm.

The car's front wheels are driven by a five-cylinder 2.4-litre turbodiesel producing 215 hp/440 Nm. The rear axle has a 70 hp electric motor, which receives power from a 12 kWh lithium-ion battery pack.

The V60 Plug-in Hybrid, which will be available on the market in 2012, is the result of close cooperation between Volvo Cars and Swedish energy supplier Vattenfall.

Volvo C30 Electric - 150 km with almost zero emissions

The Volvo C30 Electric is as well-equipped, comfortable, sporty and safe as the standard C30 - while at the same time offering the driver a range of up to 150 kilometres per charge with almost zero carbon dioxide emissions.

The car has a 111 hp electric motor delivering 220 Nm of torque. The 24 kWh lithium-ion battery pack is recharged via a regular 230 volt power socket. A full 10-ampere charge takes

approximately 10 hours. This time drops to less than seven hours with 16A.

The certified range according to the NEDC (New European Driving Cycle) is 163 km. However, Volvo Cars specifies up to 150 kilometres as the car's practical range. The energy produced during engine braking is used to regenerate the battery.

The C30 Electric accelerates from 0 to 70 km/h in just 6.5 seconds. The car has a top speed of 130 kilometres an hour.

Volvo V50 DRIVe

The Volvo V50 DRIVe is equipped with a 1.6-litre common rail turbo diesel featuring start/stop and several other refinements that bring CO₂ emissions down to 99 g/km. The engine produces 115 hp/270 Nm and fuel consumption (EU Combined) is 3.8 litres per 100 km.

Volvo's DRIVe badge sits on the models that offer the best environmental performance in their segments. "We have moved ahead very quickly since we launched our first three 119 gram models in Paris in the autumn of 2008. The fact that we now have seven models below 120 g/km, three of them below 100 grams, emphasises that few of our competitors can match us in the drive for increasingly eco-efficient cars," says Peter Mertens. He concludes:

"The V60 Plug-in Hybrid and the C30 represents our ambition bring electric power into the Volvo showrooms as soon as possible. The cars shown at Michelin Challenge Bibendum are part of test fleets that are very close to production quality."

Michelin Challenge Bibendum

Michelin Challenge Bibendum is an international event that combines technical tests and evaluations, demonstrations and test drives to gauge the progress of vehicles, energies and technologies. Technologies and trends are debated in forums and conferences. Private and public sector opinion leaders and decision-makers gauge the advances and future sustainable energy paths for a better mobility.

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Descriptions and facts in this press material relate to Volvo Cars' international car range. Described features might be optional. Vehicle specifications may vary from one country to another and may be altered without prior notification.

Media Contacts

Volvo Cars Media Relations

Phone: +46 (0)31-59 65 25

media@volvocars.com

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