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BLUETEC Jeep® Grand Cherokee Engineering Concept (Outside North America)

The Cleanest Diesel Technology in the World Combined with Legendary 4x4 Jeep® Capability

- DaimlerChrysler BLUETEC technology is the cleanest diesel powertrain system in the world
- Innovative system has the potential to meet the world's toughest emission regulations
- Technology will be shared within DaimlerChrysler brands

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Jeep® continues to revolutionize the SUV vehicle market by exhibiting the BLUETEC Grand Cherokee, the latest engineering concept in advanced powertrains from the Chrysler Group, and featuring innovative clean-diesel technology developed by DaimlerChrysler.

"The BLUETEC Jeep Grand Cherokee engineering concept is powered by a 3.0-litre V-6 CRD diesel engine fitted with a third-generation common rail fuel system plus the leading-edge BLUETEC technology that transforms the diesel engine into a clean and future-compatible system. This concept vehicle demonstrates yet another possibility for ultra-clean diesel passenger vehicles in the USA and around the world and our commitment to finding the right solution for our customers," said Frank Klegon, Executive Vice President Vehicle Development — Chrysler Group. "In addition to best-in-class tractive capability and power, the BLUETEC Grand Cherokee adds the potential capability of best-in-class diesel-vehicle emissions."

The DaimlerChrysler BLUETEC technology will be capable of producing the cleanest diesel vehicles in the world. These next-generation innovations have the potential to meet the most stringent emissions regulations worldwide, including tough future emissions standards across Europe and in all 50 U.S. states.

BLUETEC brings together a host of DaimlerChrysler technologies for diesel passenger vehicles, beginning with completely modern, efficient diesel engines and focusing on 'denoxing' — the reduction of nitrogen oxides in the exhaust gases. BLUETEC may also include an oxidizing catalytic converter, a diesel particulate filter and an innovative system for reducing nitrogen-oxide emissions — a selective catalytic reduction (SCR) technology.

SCR is an exhaust gas treatment system that converts nitrogen oxides into nitrogen and water vapor by adding ammonia, in the form of an aqueous urea solution called AdBlue, as a reducing agent in a catalytic converter. AdBlue will be stored in a separate tank and since use is modest (approximately 0.1 litres per 100 km) refilling the tank will only be necessary during scheduled maintenance. These technologies can be used in various combinations depending on the specific needs of the vehicle, packaging and market requirements.

The BLUETEC Jeep Grand Cherokee Engineering Concept is built with all of these technologies. Its 3.0 V-6 turbo-charged diesel engine produces 155 kW (211 hp DIN) and 540 N•m (398.28 lb.-ft.) of torque.

Today's clean-diesel vehicles improve fuel economy by an average of 30 percent while reducing carbon-dioxide emissions by an average of 20 percent over similar gasoline-powered vehicles.

This variety of innovative solutions will allow future DaimlerChrysler BLUETEC-equipped passenger cars and light trucks to be the cleanest diesel vehicles in the world.

Jeep Brand

The heroic heritage of Jeep and its dominance of the SUV market stretch back more than 65 years. Jeep is known worldwide for its core attributes of mastery, authenticity, freedom and adventure. Sales of Jeep brand vehicles outside of North America rose 15 percent year-over-year with 84,019 units sold in 2005. All three models — Wrangler,

Cherokee (Liberty) and Grand Cherokee — posted gains over the prior year.

DaimlerChrysler Communications, Stuttgart (Germany), Auburn Hills (USA)

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