

AB Volvo

## **Press Information**

## Mack delivers hybrid vehicle to City of New York

During an event yesterday, the Volvo Group's Mack Trucks subsidiary was recognized for delivering the first parallel-hybrid truck in the U.S. designed specifically for heavy-duty applications. The vehicle is a refuse collection truck that will be tested by the City of New York's Department of Sanitation. As a result of the hybrid operation, in which an electric motor and a diesel engine work in parallel, fuel consumption can be reduced by up to 30% and carbon emissions decreased to the same extent. The vehicle also fulfills the stringent EPA10 emissions standards that become effective in 2010, which reduce hazardous emissions to near-zero.

"We are very proud to be the first city in the country with a Mack truck of this type," said New York Mayor Michael Bloomberg. "We all want clean neighborhoods, clean air, a clean environment. And clean trucks like this are essential in delivering on that promise."

The parallel-hybrid technology works superbly in refuse collection trucks that drive at various speeds with many stops and starts. When the vehicle is first started, only the electric motor is used, which is quiet and free of emissions. The diesel engine starts operating when the vehicle has reached a certain speed. The vehicle brakes with the help of the electric motor, which converts brake energy to electricity that is stored in batteries and subsequently used when the motor starts again. The same solution fits city buses and distribution trucks.

To date, the Volvo Group has developed some 20 vehicles including refuse collection vehicles, buses and wheel loaders, which use the Group's parallel-hybrid solution. The base technology is standardized but adaptable and can thus be used in many different commercial vehicles, which reduces production costs when manufacturing in large volumes.

Mack Trucks has been a member of the Volvo Group since 2001. Visit <u>www.macktrucks.com</u> for more information regarding Mack's hybrid vehicles.

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Visit http://www.thenewsmarket.com/volvogroup to access broadcast-standard video from Volvo Group. You can preview and request video, and choose to receive as a MPEG2 file or by Beta SP tape. Registration and video is free to the media.

The Volvo Group is one of the world's leading manufacturers of trucks, buses and construction equipment, drive systems for marine and industrial applications, aerospace components and services. The Group also provides complete solutions for financing and service. The Volvo Group, which employs about 100,000 people, has production facilities in 19 countries and sells their products in more than 180 markets. Annual sales of the Volvo Group amount to about SEK 300 billion. The Volvo Group is a publicly-held company headquartered in Göteborg, Sweden. Volvo shares are listed on OMX Nordic Exchange Stockholm.

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