



The Perfect Shift Strategy for Military Transporters

- **The automatic AS Tronic commercial vehicle transmission by ZF is robust and easy to operate.**
- **Even in the case of powerful applications, this adapted automatic transmission remains highly cost-efficient.**

Military vehicles must be powerful, flexible to use, and function perfectly under extreme on- or off-road conditions. What keeps them reliably on track? ZF's automatic AS Tronic transmission: This driveline concept, which is specially tailored to the respective vehicle, not only excels thanks to its ease of operation but it is also particularly economical.

Direct transfer of power and a shift strategy that is tailored to the needs of the vehicle, this is how the AS Tronic transfers the engine's power (almost) loss-free to the drive axle. Thus, it also saves fuel. In addition, the electronics prevent fuel-intensive incorrect operations so that even less experienced drivers are "thrifty on the road" with the correct traction. Automatic commercial vehicles by ZF remain economically viable thanks to their long life cycle and minimum maintenance requirements.

Even on difficult terrain, the AS Tronic allows for safe and comparably comfortable driving. Gears are engaged fully automatically, and the driver can focus exclusively on maneuvering the vehicle.

Extremely steep inclines, sandy grounds, or deep puddles - depending on the respective application, a vehicle used for military purposes must be capable of providing different performance levels. This is why the ZF-AS Tronic is exactly geared to the needs of the respective vehicle. In a "special design" version, the automatic transmission can be supplied as e.g. "waterproofed" or "winterized". Thanks to these technical modifications, the vehicle is enabled to drive through shallow waters and remains in function up to minus 46 degrees.



Reliability, that's what also convinced the British Ministry of Defence: To a large extent, the 7 000 military MAN trucks for the British Army supplied until 2013 are equipped with an AS Tronic transmission for the medium and higher torque ranges.

Captions:

- 1.) The MAN HX 60 will be supplied with a ZF-AS Tronic mid on board.
- 2.) On the road with the ZF-AS Tronic: The MAN HX 77.

Photos: ZF

Press Contact:

Thomas Wenzel, Manager Technical Press, Tel. +49 7541-77 2543,
Fax: +49 7541-77 902543, E-mail: thomas.wenzel@zf.com

ZF is a leading worldwide automotive supplier for Driveline and Chassis Technology with approximately 64,000 employees at 119 locations in 25 countries. In 2008, the ZF Group achieved sales of approximately EUR 12.6 billion. In order to continue to be successful with innovative products, ZF annually invests about five percent of its sales in Research & Development.

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