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Kolbenschmidt Pierburg Group

New products at IAA Commercial Vehicles reduce fuel consumption and emissions

Nowhere in the automotive sector are vehicle mileages higher than in the truck and haulage segment. As a consequence, heading the list of OEM preferences are the dependability of all engine components, low emissions, cost-efficiency, and fuel economy. Related engineering innovations are on show at IAA Commercial Vehicles in Hannover from September 23 to 30. In there among the exhibitors is once again the Kolbenschmidt Pierburg Group with a booth space measuring 105 m² (stand C 08, hall 12).

The motto of this year's event is *Efficient, Flexible, Future-Proof*; among the factors dictating the exhibits is the Euro 6 emissions standard which prescribes European-wide uniform norms for truck emissions. In response to this challenge, this internationally operating automotive industry supplier's five divisions are presenting new developments and innovative components for commercial vehicle engines. The broad range of car-engine components has been successfully adapted to the requirements of light- and heavy-duty vehicle engines.

KS Kolbenschmidt GmbH is premiering a number of new aluminum and steel materials specifically intended for commercial vehicles and to be used in the manufacture of high-duty aluminum and monobloc steel pistons. An important role in this context is being played by tier-one piston assemblies (Power Cylinder Units, PCUs). Sharing in the development of these systems or assemblies are the affiliates KS Aluminium-Technologie GmbH (cylinder working surfaces), KS Gleitlager GmbH (bearings), and the alliance partners Nippon Piston Rings (piston rings) and Metaldyne (connecting rods).

Among the products on show by KS Gleitlager GmbH is the new steel bushing for the rocker arms typical on truck engines. KS Aluminium-Technologie GmbH is presenting aluminum castings designed for sophisticated chassis and driveline components as well as transmission housings for "heavies." These products are in line with the low-consumption trend—in fact, over the past decades commercial vehicle fuel consumption has fallen by around 30 percent and the trend is continuing. Such a decrease is increasingly reflected in a sharp decline in CO₂ emissions per t/km. Among the suppliers contributing toward the cleaner vehicles has been Pierburg GmbH with its technologies. At the fair, Pierburg is exhibiting its exhaust gas recirculation systems, a new mass flow sensor for the recirculated gases, and

an all-new family of turbochargers. Pierburg Pump Technology is showing its variable coolant and oil pump specifically engineered for commercial vehicles.

IAA Commercial Vehicles ranks worldwide among the most important fairs dedicated to the logistics and mobility of the international truck sector. This year it is being staged for the 63rd time.