

Press Release

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“Driven by Efficiency”: Voith Presents Efficient and Eco-Friendly Drive Systems at UITP World Congress

Under the motto “Driven by Efficiency” Voith presents particularly economical and sustainable drive systems for public transport systems at this year's UITP world congress in Milan. Apart from showing DIWA.6 automatic transmission for city and intercity buses, booth 3F112 in hall 3 will therefore also feature type LP 725 and LP 490 air compressors, as well as the DIWA SmartNet telemetric system.

With DIWA.6, Voith offers the ideal automatic transmission to meet the rising demand for clean and fuel-efficient vehicles for modern public transport, especially in view of the Euro 6 requirements. Specifically developed for city buses, the DIWA transmission offers the best preconditions for economical operation. Compared to its predecessor model it saves almost another five percent of fuel.

This is made possible by the topography-dependent gear-shifting program SensoTop as well as the need-based reduction of the operating pressure and an intelligent start-up management that avoids starting against the active service brake. With the optimized Automatic Neutral Shift (ANS) function the transmission can stay decoupled from the engine for longer, which also saves fuel. Numerous bus operators in Europe rely on the transmission in demanding inner city traffic. Among the satisfied customers of the DIWA.6 automatic transmission are, for example, Wiener Linien and the three Belgian operators Maatschappij voor het Intercommunaal Vervoer te Brussel (MIVB/STIB), VVM-De Lijn and Société Régionale Wallonne du Transport (SRWT).

Air Compressors for Euro 6 Engines

The air compressors type LP 725 and LP 490 shown on the stand can also be used with the new Euro 6 engines. Produced in aluminum lightweight design, the two-stage compressors are a series-feature of coaches and city buses with the latest Daimler engine generation, for example the Travego and the Citaro. Thanks to its two-stage principle, the Voith air compressor saves up to 1 liter of diesel per 100 kilometers. Since 2012, Voith has produced more than 100,000 air compressors, which are in service in buses and trucks all over the world.

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DIWA SmartNet: Easy and Efficient Driveline Monitoring

With the Voith-developed telemetric system DIWA SmartNet operators are always optimally informed about the condition of their drivelines. Due to high mileages, difficult climatic conditions and the demand for maximum vehicle availability, classic service and maintenance strategies soon reach their limits. Automated data recording and evaluation create a distinctive added value for operators: maintenance and service routines can therefore be planned much easier, and vehicle availability is increased. DIWA SmartNet is an integrated solution for monitoring the driveline and allows fast and direct access to operating data. With the new generation DIWA SmartNet 2.0, data for transmission diagnosis can now also be transmitted via WiFi, which allows significant cost savings compared to the mobile radio solution.



The DIWA.6 automatic transmission from Voith ensures economical operation under demanding conditions.



The Voith LP 490 air compressor contributes to lower fuel consumption.



The Voith LP 725 also contributes to reduced fuel consumption.

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Voith Turbo, a Group Division of Voith GmbH, is a specialist for intelligent drive solutions. Customers from highly diverse industries such as oil and gas, energy, mining and metal processing, ship technology, rail and commercial vehicles rely on advanced technologies from Voith Turbo.

Voith sets standards in the markets energy, oil & gas, paper, raw materials and transportation & automotive. Founded in 1867, Voith employs almost 39 000 people, generates €5.3 billion in sales, operates in about 50 countries around the world and is today one of the largest family-owned companies in Europe.

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