



BAUMA PRESS RELEASE

Innovation – TURCON® ROTO L

The first ever active seal, the new and unique Turcon® Roto L reduces friction, extending seal life on axle systems and lowering fuel consumption, thereby conserving energy. Used in central tire inflation systems (CTIS), this gives improved sealing life and most importantly, helps off-highway vehicle and truck operators save energy and fuel, lowering their overall operating costs.

Energy Saving with no Friction

The seal's patented design combines a polytetrafluoroethylene (PTFE) sealing lip with a rubber jacket and a stable shape forming metal part. For most of the time, the sealing lip is just held against the sealing surface, activating when the application requires.

When pressurized, Turcon® Roto L has less than half the friction of standard axle sealing solutions and allows vehicle operators to deflate and inflate tires on the move. It can take between 20 and 30 minutes to adjust the pressure on a large commercial tire, so allowing this process to be performed on the move permits up to an extra 30 minutes of working time.

Maximum Performance at Lower Operating Cost

Turcon® Roto L, only seals around the axle of central tire inflation systems when required: when the tire is pressurized to inflate or deflate it. Conventional seals for central tire inflation systems are constantly heavily in contact with a vehicle's axle, wearing the seal and causing friction that uses energy, thereby consuming fuel unnecessarily. By eliminating friction when the tire is not pressurized, Turcon® Roto L prevents unnecessary energy loss, cutting fuel consumption appreciably.

Turcon® Roto L also reduces shaft run-in significantly due to the material properties of the Turcon® M12 sealing lip. When combined with the zero-friction encountered when the seal is not activated, the result is a seal life that is at least four times longer.

For more information or high-resolution images, please contact:

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Information about Trelleborg Sealing Solutions and Trelleborg Group

Trelleborg Sealing Solutions is one of the world's leading developers, manufacturers and suppliers of precision seals. It supports its aerospace, industrial and automotive customers through over 28 production facilities and more than 54 marketing companies globally. Within its portfolio are some of the longest established sealing brands, including Busak+Shamban, Chase Walton, Dowty, Forsheda, GNL, Palmer Chenard, Shamban, Skega and Stefa along with a large number of proprietary products and materials such as Turcon®, Zurcon®, Orkot®, Isolast®, Stepseal® and Wills Rings®. www.tss.trelleborg.com



Trelleborg is a global industrial group whose leading positions are based on advanced polymer technology and in-depth applications know-how. Trelleborg develops high-performance solutions that seal, damp and protect in demanding industrial environments. In 2017, The Trelleborg Group had annual sales of EUR 3.3 billion with around 23,000 employees in over 40 countries. The Group comprises five business areas: Trelleborg Coated Systems, Trelleborg industrial Solutions, Trelleborg Offshore & Construction, Trelleborg Sealing Solutions and Trelleborg Wheel Systems. The Trelleborg share has been listed on the Stockholm Stock Exchange since 1964 and is listed on the NASDAQ OMX Nordic List, Large Cap. www.trelleborg.com.