



Druckluft-Bremssysteme
Air Brake Systems

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The new John Deere 9RX now comes with an air brake system too

Tietjen is offering an air brake system in the form of a retrofit kit for the latest articulated track tractor 9620RX

Calle, 19th September 2016. The North Germany-based company Tietjen GmbH has developed a new air brake system for John Deere's latest articulated track tractor 9620RX. Dealers selling the 9RX series in Germany or across Europe can order the kit right away from Tietjen which can be fitted to vehicles in their workshops.

The track tractor was shipped directly from the John Deere headquarters in Waterloo, Iowa via Bremerhaven to Tietjen in Calle at the End of May for re-adaptation of the air brake system. Product developers had already received more detailed information about the equipment before the tractor arrived. Thus, Tietjen was already able to answer the following questions about development of the retrofit kit in advance: What are the most suitable brakes for this vehicle type? Where is the safest place to install the individual assemblies of the retrofit kit? Can standard components be used? What custom production and components can Tietjen offer?

"Our main supplier Wabco is offering a complete range of products for the brake units, such as compressor, pressure regulator, trailer control valves, air dryer, and air reservoir. Most elements have come from them", explains CEO Hauke Tietjen. "Despite the enormous size of the vehicle, integrating the retrofit kit with the existing equipment safely and according to John Deere standards is still a challenge, with its eleven assemblies and the large number

of individual components from the engine compartment at the front to the coupling heads at the rear ", Tietjen continues.

Design engineers at Tietjen have developed the compressor consoles, steel tube lines, V-belt pulleys, and a range of mounts in house using the latest CAD software before adapting them to the available space on the vehicle.

At the conclusion of 9620RX development work, a range of measurements, tests, and final tests were carried out on the entire braking system. The development process was nicely rounded off with an in-house- and certified external audit based on ISO 9001.

Alongside the development of the air brake system, technical documentation writers have created an installation guide which is being delivered to the dealers with the retrofit kit. The document describes each installation step in detail with photos. For the large part, this prevents faults or mix-ups during assembly of the retrofit kit at the dealer workshops. Pre-assembled modules and colour-coded connectors make assembly a breeze.

The retrofit kit has been available from the Tietjen online catalogue at www.tietjengmbh.de since June.

Figures:



Fig.1

The North-German company Dipl.-Ing. Tietjen GmbH has developed an air brake system for the new articulated series 9RX tractor.

OR



Fig.2

Hauke and Jürgen Tietjen (left to right), Managing Directors of the North-German company Dipl.-Ing. Tietjen GmbH which has developed an air brake system for the articulated series 9RX tractor.

(Please note the sequence of the images - they are sorted by importance, i.e. the last image (Fig. 5) is optional only).



Fig. 3

The compressed air generated by the compressor is stored in the air reservoir. The air dryer located beneath it removes the water vapour from the compressed air.

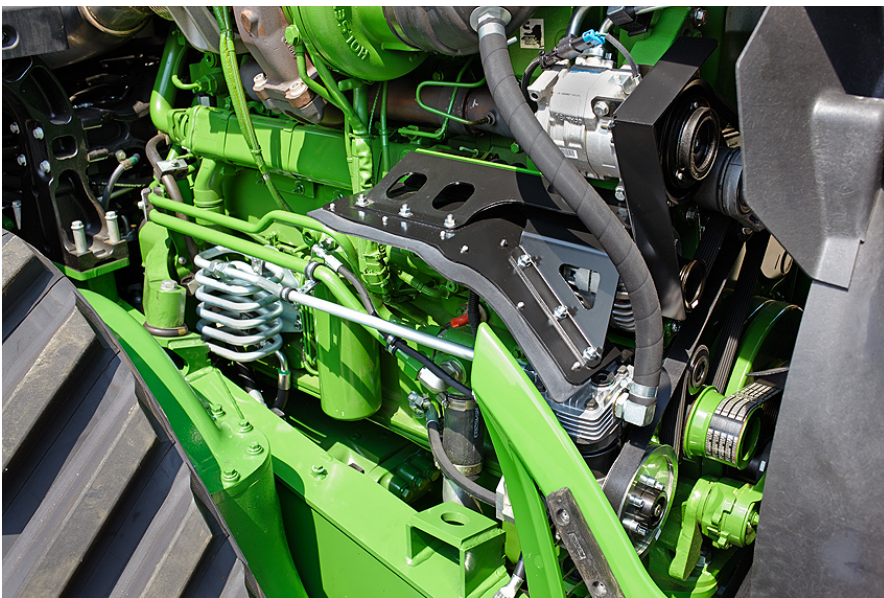


Fig. 4

A glance at the engine compartment of the 9620RX with components from the retrofit kit: Complete compressor drive with console, lubrication lines and steel tubes.



Fig. 5

The components from the retrofit kit are installed from the engine compartment up to the coupling heads: here is the rear of the tractor with the red, yellow and black coupling head and the trailer control valve above it (1 line).

Company profile Tietjen GmbH

The core business of Tietjen GmbH is the development and sale of compressed air brake systems for agricultural vehicles and construction machines as original and retrofit equipment.

The North Germany-based company employs around 60 employees who develop air brake systems for renown manufacturers of agricultural machinery and construction equipment world-wide. Tietjen delivers directly to production. Tietjen also believes firmly in collaborating closely with agricultural machinery dealers and -workshops. Tietjen creates solutions. The right, safest and most economic brake system for each vehicle and trailer type. A range of different custom solutions have been implemented for special customer requirements.

With more than 35 years of experience in brake system construction and certified by ISO 9001:2008, Tietjen GmbH is a trusted partner for quality and development work.

Tietjen is owner managed and will remain so. What started out as a forge under Wilhelm Tietjen, Jürgen Tietjen has developed into a company which has made a worldwide name as a specialist for air-brake systems. In 2011, the third generation entered the company with Hauke Tietjen. Father and son are jointly moving the business on into the future.

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