

### **LANXESS expands test capacity for high-performance additives**

- **Challenging test procedure for hydraulic fluids**
- **Approval for Additin RC 9200 N already granted**

**Cologne** – Specialty chemicals company LANXESS has taken a new test bench for additivated hydraulic fluids into operation at its Mannheim site. It is being used to test the additive package Additin RC 9200 N, as well as other fluids. These high-performance additives are used to formulate hydraulic fluids that are utilized in large commercial vehicles such as excavators, combine harvesters, or construction vehicles.

As the market requires test runs to be performed using various grades of oil and the test capacity at hydraulic unit manufacturer Bosch Rexroth is only available on a limited basis, the LANXESS Additives (ADD) business unit decided to build its own test bench to conduct these tests. Additin RC 9200 N had already been approved by the mechanical engineering company in March 2018. All end products that pass the test are published in a list of recommended products for high operational safety.

Successfully tested additive packages receive a seal of approval. This means that lubricant manufacturers that use one of these packages to formulate their hydraulic fluids meet the requirements of the hydraulic unit manufacturer and are listed accordingly – an incentive to buy Additin RC 9200 N. Another advantage of Additin RC 9200 N is that it is particularly economical to use as it is dosed at just 0.6 percent in the mineral base oil. Similar products have a significantly higher dose of additive ranging from 0.85 to 0.95 percent.

**LANXESS AG**

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### Challenging test procedure for hydraulic fluids

The operational safety of its hydraulic pumps and motors is extremely important to Bosch Rexroth. Until now, the company had carried out the relevant tests for Additin RC 9200 N itself in accordance with its internal guideline RDE 90235 (“Hydraulic fluids based on mineral oils and related hydrocarbons”). This is a scientifically standardized test procedure that assesses the behavior of the lubricant and the interaction in the hydraulic pump and motor under realistic operating conditions.

Bosch Rexroth is thus responding to the significantly increased power density of its systems and the equally more stringent requirements placed on the lubricant. The pump test introduced by Bosch Rexroth in 2015 goes far beyond what current DIN and ISO standards require.

LANXESS is a leading specialty chemicals company with sales of EUR 7.2 billion in 2018. The company currently has about 15,500 employees in 33 countries and is represented at 60 production sites worldwide. The core business of LANXESS is the development, manufacturing and marketing of chemical intermediates, additives, specialty chemicals and plastics. LANXESS is listed in the leading sustainability indices Dow Jones Sustainability Index (DJSI World and Europe) and FTSE4Good.

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#### Forward-Looking Statements

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## News Release

### Information for editors:

All LANXESS news releases and their accompanying photos can be found at <http://press.lanxess.com>. Recent photos of the Board of Management and other LANXESS image material are available at <http://photos.lanxess.com>. TV footage can be found at <http://globe360.net/broadcast.lanxess/>.

You can find further information concerning LANXESS chemistry in our WebMagazine at <http://webmagazine.lanxess.com>.

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## Image



Successfully tested additive packages receive a seal of approval. This means that lubricant manufacturers that use one of these packages to formulate their hydraulic fluids meet the requirements of Bosch Rexroth. Photo: LANXESS AG