

Job Report: Crawler Excavator

R 924

Litronic®

The Liebherr R 924 Generation 8 excavator used by Rokemann in Courtavon



LIEBHERR



Initial Situation

The Rokemann company is particularly active in agricultural earthmoving as well as for agricultural and forest roads. The company also cleans ponds and offers its earthmoving machines with driver for rental. Rokemann SARL is a family company founded by Roland Enderlin on April 01, 1999 at his home in Muespach-le-Haut in Sundgau (Haut-Rhin, Alsace). The company quickly outgrew its site and as such relocated to a larger space in Waldighoffen to accommodate its expansion plans. Rokemann celebrated its 20th anniversary last

year. It has 7 employees, including Roland's wife and two sons, and is mainly involved in the area of agricultural excavation work such as overland and forestry routes. Rokemann has had Liebherr crawler excavators since 2000, the first was an R 904. In 2018 a Liebherr A 910 Compact wheeled excavator was also purchased. Full maintenance contracts are in place for all machines for regular and simple servicing. For a total respect of the environment, the company has chosen to equip all the machines with biological hydraulic oil.

Problem

Rokemann needed both a high-performance and versatile machine for earthmoving work in agriculture and forestry. The regular change of tools (backhoe bucket, digging bucket and claws) is also a requirement for these applications. Furthermore, the daily work on loose soil demands maximum stability. Also high breakout forces and large ranges are essential for efficient work, for example pulling out tree stumps.

The company already had an R 904 purchased in 2000, followed by an R 916 Classic and then an R 924 in Phase IIIB in 2012. The company replaces its equipment on average every 5 to 6 years in order to always have modern equipment and thereby limit maintenance costs.

Solution

The 24-tonne excavator that the Alsatian company decided to buy belongs to the new Generation 8, which was showcased at Bauma 2019 in Munich. 7 models from 22 to 45 tonnes with fully revised architecture were put on the global market for even greater comfort, safety, ergonomics and performance. The new generation is characterized by better performance, higher productivity and enhanced safety as well as comfort for the operator.

Maxime Enderlin is the main operator of the R 924 G8. Apart from the power and stability of the machine, he also appreciates the comfort and quietness in the cab. The operator has a spacious and air-conditioned working area. For pleasant conditions in the day-to-day work environment, the cab is equipped with pneumatic seats with vertical and horizontal suspension, as well as a high-resolution and user-friendly 7" color touch screen. The windscreen can also be fully lowered.

The reduced fuel consumption from 17 to 13 l/h between the last R 924 with stage IIIB and this new stage V further enhances the satisfaction of the company.





Technical data

Operating weight	23,400 – 25,600 kg
Engine output	129 kW/175 HP
Exhaust emissions stage	V

Equipment

Bucket capacity	0.55 – 1.65 m ³
Two-piece boom	5.90 m
Quick coupler hydraulic	SWA 48

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