

First Liebherr R 922 crawler excavator for low regulated markets operating in China

- Three machines of between 20 and 25 tonnes specifically developed for customers in low regulated markets, including the R 922 crawler excavator, launched at bauma Munich 2016
- First operation of a new R 922 crawler excavator (Stage IIIA / Tier 3 / CHINA III) for earthmoving work in China
- Xi'an Tianyi Earth-moving Co. Ltd impressed by the R 922's productivity, fuel economy and long service intervals

Xi'an (China), 28. March 2017 – At bauma 2016 in Munich, Liebherr presented its new model series of the crawler excavators R 920, R 922 and R 924 for the first time. Meeting the requirements of customers from low regulated markets, these machines are specifically based on tried-and-tested European standards. A new R 922 built by Liebherr Machinery (Dalian) Co. Ltd has been working for the Xi'an Tianyi Earth-moving Co. Ltd since August 2016. This excavator is one of the first machines from the new model series operating in China.

The new R 922 crawler excavator is carrying out earthmoving work at the Meibei Lake construction project close to the city of Xi'an. On the job site the machine's main tasks are excavating soil from the bottom of a drained lake and then loading the trucks removing the wet material. Having already undertaken more than 700 hours of operation in four months, the excavator has impressed its new owner with high operating speed, low fuel consumption and low maintenance time.

Focus on productivity and fuel efficiency

Xi'an Tianyi Earth-moving Co. Ltd's new R 922 crawler excavator is equipped with a 5.7 m boom, a 2.9 m stick, a 1.1 m³ backhoe bucket and an LC undercarriage. Driven by a Cummins engine with an output of 110 kW / 150 HP, the machine's performance is superior to other manufacturers' models used by the company prior to its acquisition of the Liebherr machine.

The Positive Control dual circuit hydraulic system enables the machine to operate smoothly, comfortably and productively at high work speeds. Combined with the largest fuel tank available on the market in this size class and low fuel consumption at only 13 litres per working hour, all the client's expectations have been met.

Thanks to the R 922's elaborate performance-focused concept, the machine has shown itself to be a cost-effective workhorse: it is in operation on the construction site for up to 70 hours a week in 10 to 12 hour shifts and loads more than 200 trucks a day.

Improved maintenance concept for reduced maintenance times and longer service intervals

Another factor improving productivity is maintenance. All machines in the new model series benefit from a revised and simplified maintenance concept, which increases machine availability. The batteries, all filters and most centralised lubrication points are accessible from ground level, ensuring that daily maintenance and checks can be quickly and easily performed. An optional automatic lubrication system reduces precious servicing time while guaranteeing optimal lubrication of the excavator. As for the service intervals, everything has been taken into account to reduce the frequency of interventions in order to minimise the machine's downtime and reduce costs. This includes the interval for changing the hydraulic oil, which can be up to 3,000 hours, or the interval for changing the engine oil, which is every 500 hours.

Managing Director Mr Liu Jianwei and the company's operators have expressed their high level of satisfaction with the new investment and Mr Jianwei said, "The company will make Liebherr its first choice" for future purchases.

Xi'an Tianyi Earth-moving Co. Ltd

The Chinese company was founded in December 2015 and is active in the fields of earthmoving, quarrying, demolition and road construction in the area around the city of Xi'an.

With 30 employees, Xi'an Tianyi Earth-moving Co. Ltd operates a quarry in Fuping County situated to the north of the city and is currently involved in two different

construction projects simultaneously. The Meibei Lake project, where the R 922 is operating, will be completed by 2021.

Captions

liebherr-crawler-excavator-r-922-china-1.jpg

The Liebherr R 922 crawler excavator being used for earthmoving works at the Meibei Lake construction project close to the town of Xi'an.

liebherr-crawler-excavator-r-922-china-2.jpg

From left to right: Mr Han Daji (Liebherr dealer) and Liu Jianwei (managing director of Xi'an Tianyi Earth-moving Co. Ltd manager).

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