

### **Liebherr at the Bauma China 2018 Trade Fair**

- Construction equipment at outdoor booth B12
- Eight exhibits from Liebherr's product ranges for the fields of earthmoving, material handling, mining, concrete and mobile cranes
- In-house developed components at indoor hall N4 / booth No. 524

**Biberach / Riss (Germany), 31 October 2018 – During Bauma China 2018, Liebherr presents a selection of its construction equipment and its component's product ranges. The Liebherr stands at the Shanghai New International Expo Centre (SNIEC) are located outdoors, booth No. B12 and indoors in hall N4, booth No. 524.**

From November 27-30, Liebherr displays eight pieces of equipment for multiple industries and applications. The Liebherr outdoor booth provides room for the R 966 and R 920 crawler excavators, the A 920 mobile excavator, the L 550 wheel loader, the PR 776 crawler tractor, the R 9100 B mining excavator and the HTM 804 QING truck mixer as well as the LTM 1300-6.2 mobile crane. Furthermore, Liebherr presents various components from the areas of mechanical, hydraulic and electrical drive system and control technology at its indoor booth.

High-quality equipment from Liebherr defines superior productivity and high efficiency. Liebherr's presence at Asia's most important trade fair for construction machinery shows its appreciation and awareness of the growing markets in the Asia-Pacific region.

#### **Mining Excavator R 9100 B**

The mining division of the Liebherr Group presents the new R 9100 B mining excavator for the first time at Bauma China 2018. The new model replaces the R 9100, which has been on the market since 2012. This B-version has gone through a strong upgrade and improvement process. It is therefore expected to clearly deliver an incredible performance.

The Liebherr R 9100 B presented at Bauma China has an operating weight of 113 tonnes (125 tons) and is equipped with a 7.5 m<sup>3</sup> (9.8 yd<sup>3</sup>) Evo backhoe Bucket combined with the Liebherr Ground Engaging Tools. The Liebherr D9512 diesel engine delivers a performance of 565 kW (757 HP).

Amongst other new features, the Liebherr R 9100 B comes with a renewed cabin, a new swing pump and an integrated Connectivity Kit to collect on-site operating parameters.

### **Crawler Tractor PR 776**

The PR 776 is Liebherr's largest crawler tractor and for the first time on display in China. The machine in the 70 tonnes category was introduced at Bauma Munich in 2016 and is designed for tough mining and quarry operations. It has a maximum operating weight of 74 tonnes and is equipped with blade capacities of 18,5 m<sup>3</sup> (semi-U blade) or 22 m<sup>3</sup> (U blade).

A unique feature in this machine class is the infinitely variable hydrostatic travel drive, which is used for all crawler tractors from Liebherr. The modern drive concept of the new PR 776 offers extremely efficient and safe operation to customers.

The PR 776 crawler tractor is powered by a Liebherr 12-cylinder diesel engine developing 565 kW (768 HP / 759 HP). Liebherr Diesel Engines have powered construction machinery around the world for decades. Developed for tough conditions, they guarantee maximum operational safety, reliability and a long service life thanks to the robust design and state-of-the-art technology. The high-quality hydraulic pumps and engines work practically wear-free and are particularly reliable.

Safety is enhanced by the excellent visibility of the worksite, the blade and rear ripper, which is assured by the larger panoramic windows and downward slopes on the PR 776. This design offers all-round visibility for safe and efficient day-to-day operation.

## **Wheel Loader L 550**

At the trade fair Liebherr exhibits the wheel loader L 550, an example of its expanding wheel loader product range for the Chinese market. Due to the hydrostatic driveline, the L 550 is – like all Liebherr wheel loaders – very fuel efficient, consuming up to 25 percent less fuel compared with conventional wheel loaders under the same conditions. The optimum weight distribution of the machine increases the productivity at work, because larger buckets can be used to handle more material with each loading cycle.

The Liebherr wheel loader L 550 on display is powered by a 140 kW / 190 HP diesel engine. Its exhaust emissions are below the limits of the Chinese regulation GOU III and in Stage II / Tier 2. The optimum weight distribution combined with a wide range of attachments for different applications supports businesses to benefit from increased productivity during daily operation. Thus especially by using larger buckets compared to other type of wheel loaders in the same class.

Based on decades of experience in producing and developing wheel loaders, Liebherr manufactures wheel loaders for the Chinese market in Dalian, P. R. China, in close cooperation with the wheel loader competence centre in Bischofshofen, Austria. Liebherr's wheel loaders for the Chinese market are high-performing machines: Designed according to the company's high quality standards, Liebherr wheel loaders operate reliably – even in the toughest conditions.

## **Crawler Excavator R 966**

The 70-tonne class R 966 is also among Liebherr's exhibits at Bauma China. Its optimized hydraulic system together with intelligent operating modes allows it to work at maximum productivity, whether in earthmoving or quarry operations. It features a V8 diesel engine with high torque even at low speeds. Additionally, it is equipped with a Liebherr bucket and tooth system, which guarantees easy penetration and simple extraction, where digging and breakout forces of 308 kN and 354 kN ensure fast and efficient working cycles. The R 966 proves its versatility with its various attachments and optimized kinematics.

### **Crawler Excavator R 920**

The Liebherr R 920 crawler excavator is on display at the 2018 Bauma China. It unites power, precision and versatility, which ensures excellent performance. The R 920 has an operating weight of 21 tonnes and an engine output of 110 kW / 150 hp. Equipped with the latest hydraulic system, it is suitable for light and heavy tasks. It also features an automatic centralized lubrication system and intelligent energy management, which increases productivity. Furthermore, its bulldozer blade and various attachments make it indispensable. The operator's comfort is at the forefront for Liebherr as well. The operator's cab includes a new seat, touch screen, and larger windows; not only does the driver have a better view, but it also ensures a safer work environment.

### **Mobile Excavator A 920 with Likufix**

At Bauma China 2018, in Shanghai, Liebherr showcases one of its wheeled excavators from its range for countries with low-emissions regulations. The A 920 Litronic, which meets the requirements of exhaust emissions level IIIA / Tier 3 / China 3, impresses with maximum mobility. Like all Liebherr wheeled excavators, the machine is ideally suited to construction sites with long driving distances.

Liebherr also demonstrates the advantages of Liebherr LIKUFIX system which enables attachments to be changed quickly and easily from the comfort of the operator's cab. On the one hand, this increases productivity and enables a high degree of versatility and, on the other hand, it improves safety on the construction site.

### **Truck Mixer HTM 804 QING**

On Bauma China, Liebherr exhibits the HTM 804 QING truck mixer, which is manufactured in its factory in Xuzhou, Jiangsu Province (China). Liebherr has been represented in the Chinese market for nearly two decades with its high-quality machines from Xuzhou. Here, Liebherr not only manufactures truck mixers but also mixing plants, recycling plants and mixer systems.

The Liebherr HTM 804 QING truck mixer with a nominal filling of 8 m<sup>3</sup> provides easy and comfortable operation. The truck mixer gives full thought to its users and the

society not only by its reliable design but also by details. For example, the double-pole joystick enables the operator to control the drum directly while observing the concrete discharge. Furthermore, the height adjustment of the concrete discharge chute can be operated very easily.

## **Mobile Crane LTM 1300-6.2**

The Liebherr LTM 1300-6.2 on display in Shanghai is the successor to the time-tested LTM 1250-6.1. Its telescopic boom has been extended by 6 m to 78 m. Its load capacity has also been increased. On the one hand it is designed as a simple folding jib crane whilst on the other it is the smallest luffing jib crane on the market providing crane operators with a low cost entry point into the luffing jib crane class.

A unique concept for the superstructure drive unit has been used on the LTM 1300-6.2. Instead of the twin-engine concept normally used on cranes in this class, the 300-tonner is powered by a single engine with a mechanical shaft. A mechanical shaft ensures particularly high efficiency and thus guarantees the economy of the new concept in terms of fuel consumption.

## **Components**

At Bauma China 2018, Liebherr presents itself as a components manufacturer for the tunnel construction segment. The focus thereby lies mainly on the new gearbox series and electric motors, which are presented to the trade public for the first time in Shanghai (China).

Components by Liebherr have been proven themselves in tunnelling projects around the world for several years now. For example, slewing bearings with a diameter of up to 9,000 mm, which keep turning cutterheads in India, Africa, the UK and China. Also axial piston units have shown their value in tunnelling applications. Liebherr hydraulic pumps are used, for example, in medium-sized tunnel boring machines for hard and soft rock with a diameter of up to six meters.

All individual Liebherr components are characterised by their particular robustness, reliability, availability and long life expectancy. They are perfectly matched to each

other according to customer requirements and can therefore be used as an integrated drive system, for example for the cutter head in tunnel boring machines. With the exhibited system, Liebherr also demonstrates the possibilities for system solutions in this area.

### **Captions**

liebherr-r9100b-mining-excavator.jpg

For the first time on show in China: the Liebherr R 9100 B mining excavator. Efficient and productive by design, the Liebherr R 9100 functions as the optimal tool for loading 50 t up to 100 t off-highway trucks.

liebherr-pr776-crawler-tractor.jpg

The Liebherr PR 776 crawler tractor is designed for tough mining and quarry operations. It features an infinitely variable hydrostatic travel drive, which is unique in the 70 tonnes category.

liebherr-a920-mobile-excavator.jpg

Like all Liebherr wheeled excavators, the A 920 is ideally suited to construction sites with long driving distances.

liebherr-htm804qing-truck-mixer.jpg

Efficient production: the Liebherr HTM 804 QING truck mixer enables a high feeding and discharging speed and therefore an efficient production.

liebherr-ltm1300-6-2-mobile-crane.jpg

Liebherr mobile crane LTM 1300-6.2 with innovative single-engine concept provides particular high load capacities, which is ideal for erecting tower cranes.

liebherr-components-tunnel-boring-machines.jpg

Liebherr components for tunnel boring machines: With application experience gained in recent years, Liebherr is selectively expanding the product portfolio with the new component series.

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