

### **Liebherr to Present its Latest Construction Machinery in Turkey at the 2017 Komatek Exhibition**

- Liebherr stand at outdoor area A2-23 measuring 1,200 m<sup>2</sup>
- Equipment for the operation fields of earthmoving and deep-foundation
- Exhibits especially dedicated to the Turkish market

**Ankara (Turkey), 3 May 2017 – For the fifteenth time, Komatek, the international trade fair for construction machinery, technology and equipment is taking place in Ankara, Turkey. On this occasion, Liebherr presents machinery for earthmoving and special deep foundation operation in the outdoor area A2-23.**

The line-up from Liebherr at Komatek trade fair consists of crawler excavators, a wheeled excavator, wheel loaders and a rotary drilling rig. Liebherr presents the crawler excavators R 944 C and R 954 C. Both are part of the “C-series” and offer a multitude of attachment options, accessory tools and variants providing an optimal configuration to achieve the highest performance in all application ranges. The engine generation as further developed for the “C-series” assures an effective power delivery, a high degree of efficiency, long life expectancy and complies with the emission standard IIIA / Tier 3.

#### **Crawler excavator R 944 C: Versatile concept offers multiple application options**

The Liebherr R 944 C on display in Ankara is an exceptionally versatile crawler excavator in the 40 tonnes weight category. Fitted with multiple specialized builds, Liebherr machines in this class have proven themselves in standard earthmoving applications, material handling, demolition, tunneling and many other applications. The combination of large stick and boom cylinders and the optimized attachment geometry facilitate exceptional digging and breakout forces. A hydrostatic fan drive and a separate swing circuit, as well as an efficient air-conditioning system and a sensor-controlled automatic idling also contribute to the standard machine of the R 944 C and reduce fuel consumption. Depending on options, this machine weighs between 38,500 kg and 40,900 kg and has bucket capacities from 1.75 m<sup>3</sup> to 2.25 m<sup>3</sup>. The R 944 C is powered by a Liebherr D936L inline six-cylinder diesel engine rated at 190 kW / 258 HP at 1,800 rpm.

Liebherr also displays the R 954 C, a crawler excavator in the 50 tonnes class. Equipped with robust design and powered by a 240 kW / 326 HP diesel engine, the R 954 C allows maximum performance under extreme working conditions. Maximum load values and maximum digging forces will be achieved thanks to the optimized steel construction. Depending on attachments, the operating weight is between 49,550 kg to 54,300 kg and bucket capacities between 1.65 m<sup>3</sup> and 3.30 m<sup>3</sup> as well as shovel capacities between 2.50 m<sup>3</sup> and 3.10 m<sup>3</sup> are possible.

The equipment is geared to better resist to stresses ensuring therefore a longer service life. For example, safety check valves for stick and boom cylinders with integrated regeneration for less fuel consumption are installed. The parallel kinematics permit a powerful and regular digging. In combination with the sensitive excavator controls assuring optimal efficiency in the interaction of excavator's hydraulics and electronics, maximum productivity is assured.

#### **Liebherr XPower® Wheel Loaders: Robust design and operator comfort**

Representing the XPower® wheel loader concept, the L 556 XPower® and the L 586 XPower® will be on display in Ankara. The L 556 XPower® offers a tipping load of 13,700 kg and comes with an operating weight of 18,400 kg. The exhibit is equipped with a Z-bar linkage and an excavation bucket with a capacity of 3.6 m<sup>3</sup>. Its latest Stage IV / Tier 4f compliant Liebherr diesel engine provides a maximum gross output of 165 kW / 224 HP. The biggest of all Liebherr wheel loaders the L 586 XPower® achieves a tipping load of 22,500 kg at an operating weight of 33,700 kg. The Komatek exhibit is equipped with a Z-bar linkage and a 5.5 m<sup>3</sup> rock bucket. Its Stage IV / Tier 4f compliant Liebherr diesel engine provides a maximum gross output of 260 kW / 354 HP.

Liebherr XPower® is an integrated, innovative machine concept that sets new standards in terms of fuel efficiency, performance, robust design and comfort. At the heart of the XPower® wheel loader is the Euro Stage IV / Tier 4f compliant power-split drivetrain, which Liebherr fits as standard for these machines. This combines hydrostatic drive, which is ideal for material uptake and travelling over short distances, with mechanical drive, the advantages of which come to the fore over long distances

and when driving on gradients. The combination of these two drive types in a single wheel loader ensures maximum efficiency and outstanding fuel savings in every situation, enabling operators of the Liebherr XPower® wheel loader to reduce their fuel consumption by up to 30 per cent.

### **Rotary drilling rig LB 28-320: Medium range drilling rig successfully used on jobsites all around the world**

Furthermore, Liebherr will present its drilling rig LB 28-320. It possesses unique technical features which are vital for an efficient drilling rig: the stable leader design as well as extremely robust kinematics with a large system cross-section. It is therefore able to ensure maximum strength and stability. For the operator this means a reduction of wear and automatically longer machine operating life. Furthermore, the telescopic undercarriage and the long crawlers offer a high level of stability.

Like all Liebherr drilling rigs, the LB 28-320 has been specially designed for Kelly drilling, drilling with double rotary head, continuous flight auger as well as for soil mixing applications. As an option the rig can be equipped with a short length leader to work on jobsites with limited heights such as under bridges or below power lines.

The LB 28-320 has an operating weight of approx. 99 t. In Kelly operation it is designed for drilling diameters up to 2,300 mm and drilling depths of maximum 70 m. It offers the user top performance and reliability even if the most difficult soil conditions and operating situations are encountered. The travel gear of the LB 28-320 is powered by a 390 kW (523 hp) V6 Liebherr diesel engine.

The drilling rig is equipped with a rotary drive offering a maximum torque of 320 kNm. The main advantages of the hydraulic drive manufactured by Liebherr are automated torque adjustment, continuous speed optimisation and four electronically adjustable speed ranges. Further advantages of this rotary drive are its simple structure, its low maintenance requirements and, above all, its exceptional efficiency.

## **Mobile excavator A 904 provides comfortable and safe workstation for efficient work**

Liebherr will also showcase the A 904 Litronic wheeled excavator at the event. With an operating weight between 20.400 and 20.600 kg and engine power of 105 kW / 143 HP, the A 904 suits to classic earthmoving. A high digging performance, high load capacities and rapid work cycles create the conditions for efficient construction site operation. The exhibit at Komatek is equipped with a 2550 mm wide undercarriage with rear outriggers and front stabilizer blade. The equipment includes a 5.30 m long mono boom and a 2.65 m stick, as well as a 1400 mm wide backhoe bucket with Z-tooth system, a capacity of 1.15 m<sup>3</sup> and a load lift hook. The A 904 Litronic impresses with the torsional rigidity of its robust undercarriage, which protects the completely integrated travel gear assembly. This ingenious design approach ensures safe maneuverability on rough terrain. The machine develops its maximum output of 105 kW /143 HP at an engine speed of only 1,800 min<sup>-1</sup>. Precisely matched Liebherr components are the key to maximum productivity in day-to-day operation on the construction site. The A 904 C Litronic's excellent traction means rapid acceleration from a standstill, maximum speed on gradients and, in conjunction with the new undercarriage, excellent rough-terrain travel, with safe, powerful manoeuvring even when conditions on the construction site are unfavourable. The A 904 C Litronic has a large cab with an air-suspended Liebherr seat that can be adjusted to suit the operator's weight. The superstructure uses a well-planned concept with large window areas and rounded-off edges for improved visibility and a reliable view of the entire construction site. Automatic air conditioning with sensors keeps the cab accurately at the preferred temperature, for pleasant working conditions without risk of fatigue.

### **Captions**

liebherr-r944c-crawler-excavator.jpg

A hydrostatic fan drive and a separate swing circuit, as well as an efficient air-conditioning system and a sensor-controlled automatic idling also contribute to the standard machine of the R 944 C and reduce fuel consumption.

liebherr-r954c-crawler-excavator.jpg

Equipped with robust design and powered by a 240 kW / 326 HP diesel engine, the R 954 C allows maximum performance under extreme working conditions.

liebherr-l556-xpower-wheel-loader.jpg

The Liebherr L 556 XPower with its power-split XPower® drivetrain, the wheel loader can handle both short and long distances as well as driving on gradients with maximum efficiency.

liebherr-l586-xpower-wheel-loader.jpg

Larger axles, strengthened lift arms - the robust Liebherr L 586 XPower® wheel loader is ideally suited to challenging work in quarrying.

liebherr-lb28-320-drilling-rig.jpg

A Liebherr drilling rig type LB 28-320 and an LB 24-270 working in Freiburg, Germany.

liebherr-mobile-excavator-a-904.jpg

The A 904 C wheeled excavator was designed for maximum productivity.

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