

### **Liebherr to celebrate 50<sup>th</sup> anniversary in USA and to exhibit extensive range of latest construction machine products at Conexpo Con/Agg 2020**

- About 30 types construction machines will be featured at North America's largest construction machinery trade show
- New to market excavators, cranes and intelligent assistance systems will debut at Conexpo 2020
- Find Liebherr in the Festival lot at booth #F5258 and in South Hall of Las Vegas Convention Center at booth #84321

**Newport News, Virginia (USA), December 18, 2019 – From an earnest start in Virginia in 1970, Liebherr has built its USA business on a foundation of trust, innovation and engagement with customers. Five decades later, the company's incredible growth, diversity and stability is tangible evidence of how Liebherr employees are united by success as the company continually moves toward new achievements. Each decade in business and each customer served has positioned Liebherr in a leadership role in multiple industries, such as petrochemical, transportation, aerospace, construction, earthmoving and mining.**

From March 10-14, 2020, Liebherr's innovative products will be on display at Conexpo-Con/Agg 2020. Liebherr is showcasing an extensive selection of earthmoving and construction equipment at its outdoor booth #F5258 at the Festival Grounds. The company's product range of components for mechanical, hydraulic and electric drive systems will also be on display in the south hall of the Las Vegas Convention Center at booth #S84321.

Altogether, Liebherr's products will fill more than 53,000 ft<sup>2</sup> (4,900 m<sup>2</sup>), providing room for hydraulic excavators, wheel loaders, crawler loaders and tractors, deep foundation machines, material handlers, tower cranes, mobile and crawler cranes, as well as a concrete pump. Here are details about some of the show's featured products:

## **A US premier: The new generation of Liebherr crawler excavators**

The Generation 8 crawler excavator series is made up of seven models ranging from 48,500 to 99,200 lb (22 to 45 t): R 922, R 924, R 926, R 930, R 934, R 938 and R 945. Two machines of the product range, R 926 and R 938, will be exhibited for the first time in America at the Liebherr booth.

The highlights of the new crawler excavator generation include higher engine power, a heavier counterweight for higher bucket capacities, and minimal fuel consumption. A new equipment concept with a modified piece at the top of the boom is an innovative new feature. This leads to better performance and equipment forces with reduced operating weight of the machine. Another feature is the optimized load curve, which yields reduced fuel consumption. These machines have been specially designed to provide extra comfort and safety for the operator, as well as optimum ergonomics and performance on the job site.

## **Two new cranes for the American market: the LTM 1650-8.1 mobile crane and the LR 1800-1.0 crawler crane**

The LTM 1650-8.1 is designed to deliver maximum performance. The new Liebherr mobile crane has large shoes to fill as it is the successor to the best-selling large crane of all time – almost 600 units of the LTM 1500-8.1 have been delivered to date. The successful concept of the two telescopic boom versions is continued – the LTM 1650-8.1 is available with 177 ft and 263 ft (54 and 80 m) telescopic booms.

In designing the new 8-axle crane, Liebherr focused on maximum load capacities. The LTM 1650-8.1 travels with an axle load of 26,400 lb (12 t) complete with its 177 ft (54 m) telescopic boom and the front supports. To minimize set-up time, however, the rear supports are installed as complete support box in a single hoist and connected using quick-release couplings.

As with all new developments over the last few years, Liebherr can offer the LTM 1650-8.1 with a very wide range of transport weights and axle load versions to ensure cost-effective global mobility for axle loads both above and below 26,400 lb (12 t).

Outstanding lifting capacities and low cost transport around the world are the main features of Liebherr's new 880 US-tons (800 t) crawler crane. The LR 1800-1.0 is designed as a particularly powerful industrial crane for jobs with a luffing jib and derrick system, such as power plant construction and the petrochemicals industry. For the first time, the boom system features lattice sections with three system dimensions which can be telescoped into each other for transport.

The new LR 1800-1.0 is currently the most powerful crawler crane on the market with a basic machine 9,7 ft (3 m) wide. It is particularly rigid as a result of its increased design height. A quick connection to raise the superstructure for transport is standard.

The new LR 1800-1.0 also features the derrick ballast with VarioTray – after raising the lattice boom with the large derrick ballast, part of the ballast can be unbolted quickly and easily.

#### **North American premiere: New assistance systems for wheel loaders**

Liebherr will present four wheel loaders at the show. This includes an L 566 XPower® with power-split travel drive. Liebherr installs this drive as standard on its large XPower® wheel loaders. It combines short loading cycles with optimal hydrostatic drive with the mechanical drive, the benefits of which come into effect over long distances and up hills. The L 566 XPower® is also equipped with numerous new assistance systems, which Liebherr is showing for the first time in North America at the exhibition. These include active personnel detection, adaptive working lighting, an integrated tire pressure monitoring system and the weighing system with Truck Payload Assist. The L 566 XPower® also has the new joystick steering for wheel loaders.

The largest Liebherr wheel loader, the 71,870 lb (32,6 t) L 586 XPower®, will also be at the exhibition stand. With a power split XPower® drive, it delivers high performance and enormous fuel savings. The L 538 represents the Liebherr medium-sized wheel loader range. It is equipped with parallel kinematics for high holding forces in the upper lift arms area. It is ideal for working in heavy-duty industrial applications such as in recycling with high dump buckets. For customers from countries in Central and South

America, Liebherr is showing the L 550 wheel loader. It is a representative of the separate wheel loader series for less emission-regulated markets.

### **Optimizing the work process with the 110 D-K crawler concrete pump**

A special feature: If both the pump and the drilling rig are from Liebherr, the two construction machines can communicate with each other via radio. The operator of the drilling rig can start and stop the pumping process from his cabin - this optimizes the work processes.

The crawler concrete pump THS 110 D-K features a maximum concrete output of 133 yd<sup>3</sup>/h (102 m<sup>3</sup>/h). The six-cylinder engine complies with the Tier 4f emissions standard and with current environmental regulations.

Smooth running and outstanding suction performance are the hallmarks of a powerful pump unit in a crawler concrete pump. The use of an open hydraulic circuit guarantees reduced system maintenance requirements.

### **Bringing large-scale technology to life with tailor-made components**

Construction machines are exposed to high dynamic loads and use corresponding high pressures. Under these conditions, Liebherr's robust hydraulic pumps and motors guarantee a long service life. Liebherr is presenting the hydraulic double motor DMVA D 165-165, the hydraulic pump DPVG 140 as well as size 85 of the series 20 of the LH30VO medium pressure pump. The latter pump can be used to power, for example, the equipment, ventilation systems or steering of the machines.

Among the latest development is also the in-line diesel engine D976, Liebherr's biggest and most powerful in-line engine with a displacement of 1,098 in<sup>3</sup> and a power range from 469 to 843 hp (350 to 620 kW) in its standard version.

An upgraded bearings portfolio is being introduced this year, with the super-size seamless slewing bearings of up to 31,17 ft helps to convey and rotate enormous loads. Last but not least, the new planetary gearbox series on display features high

power density, minimal weight and reduced installation space and is ideal for use in lifting and driving applications, or as a drive for undercarriages and crawler vehicles.

### **When it comes to productivity: the HS 8200 duty cycle crawler crane**

The HS 8200 is one of the innovations in the HS series. The design of this duty cycle crawler crane is based on its predecessor, the proven HS 895 HD, but boasts an even better performance capacity. The elegant design combines safety, performance and economy, as well as a high level of operator comfort.

The HS 8200 is the new Liebherr duty cycle crawler crane in the 200-tonne (440,925 lb) category. Thanks to the newly designed drive system, the efficiency is increased by 15%. Load capacities are also increased by up to 15%.

The new duty cycle crawler crane is the optimum machine for extraction work and has the capability of not only using a dragline bucket but also a grab. Like all products in this series, the HS 8200 is versatile. For deep foundation purposes, the machine can be applied for dynamic soil compaction, as well as fitted with a casing oscillator or fixed leader. When digging a shaft, the winches can even be used with the full 77,162 lb (35 t) line pull in the fourth layer. Thanks to various counterweight options, the duty cycle crawler crane also convinces in lifting operation.

### **A new fast-erecting crane: the 125 K**

With a radius of 180 ft (55 m) and a maximum hook height of 215 ft (41,5 m), the 125 K is currently the largest fast-erecting crane on the market. The new 125 K has been specially developed for civil engineering requirements such as road traffic bridges and commercial as well as industrial building construction. The maximum lifting capacity is 17,630 lb.

### **340 EC-B of the new EC-B Flat-Top crane series**

Liebherr will present the 340 EC-B of the new Flat-Top series. Three of the eight units are equipped with fibre rope which has a four times longer service life than steel rope and enables fibre cranes to work with a significantly higher load capacity. Further,

handling is noticeably easier compared to steel rope. In addition, all cranes are optimized for assembly and offer more comfort to the crane driver. The 340 EC-B has a maximum radius of 256 ft (78 m), a maximum lifting capacity of 26,450 lb (12 t) and a maximum hook height of 301 ft (84,7 m).

### **Power, strength and precision: the Liebherr A 920 Litronic wheeled excavator**

The Liebherr A 920 Litronic wheeled excavator on exhibit at the show has an operating weight of 40,300 - 47,000 lb (18.3 – 21.3 t) and an engine output of 129 kW / 175 hp. The powerful Liebherr wheeled excavator is particularly suitable for road, canal and pipeline construction as well as for classic earthmoving work and is characterized by high mobility and versatility. The strong undercarriage as well as the outriggers at the rear and front ensure maximum stability and safety every time the machine is used. This enables the A 920 Litronic to carry out all work reliably, precisely and extremely productively, even under full load.

### **A key player in track construction: The Liebherr A 922 Rail Litronic rail-road excavator**

The A 922 Rail Litronic rail-road excavator has an operating weight between 45,000 and 51,600 lb (20.4 – 23.4 t) and an engine power of 120 kW / 163 hp. The excavator can be operated as a dual purpose machine either on the road or on railway tracks. Thanks to the mobile undercarriage, it is possible to move the rail-road excavator quickly. On either side of the undercarriage a rail travel drive was mounted, which brings the tires to rail level. By using the inside wheels of the dual tires, the machine is able to travel on the tracks. Depending on the application requirements, the A 922 Rail can be equipped with a rail guide for normal and wide broad gauge railways or with a friction wheel rail guide for narrow gauge railways.

### **Redefined Performance: The Liebherr material handler LH 30 M Industry Litronic**

The powerful LH 30 M Industry Litronic, with an operating weight between 58,400 and 65,00 lb (26.5 - 29.1 t), is versatile and can operate at its maximum handling capacity in all applications. Thanks to the optimally designed engine power of 140 kW / 190 hp, high torque is available to the system for powerful and fast movements. The separate

hydraulic pump in the closed slewing circuit only supplies hydraulic fluid to the swing mechanism. The maximum delivery volume is therefore always available for swiveling the uppercarriage, thus making possible fast and overlapping movements. The generously dimensioned cooler with large meshes also guarantees excellent cooling at full power of the machine, thus ensuring high machine availability.

### **Quality in every detail: The Liebherr material handler LH 60 M Industry Litronic**

With an operating weight between 121,300 and 134,500 lb (55 - 61 t), the LH 60 M Industry Litronic is designed for heavy-duty scrap handling. The hydraulic cab elevation, as well as rear and side area monitoring systems, allows an optimal view of the working area and the surrounding area of the machine at all times. The perfect overview gives the driver a feeling of security and ensures safe handling of the machine at all times. The foldable left arm console, as well as wide, non-slip steps, walkways and platforms, ensure easy, comfortable and safe entry and at the same time guarantee access to all maintenance points. Equipment such as cab protective grid, impact-resistant laminated safety glass and piston rod protection for cylinders are specially developed for the tough use in scrap handling and also guarantee maximum reliability in the toughest conditions.

### **The North American premiere of the new generation 8 crawler dozers**

Liebherr is introducing its latest Generation 8 dozers to North America at Conexpo 2020 with the new PR 736. Equipped with many features that further enhance operator comfort, excellent grading characteristics and new standard grading systems, the PR 736 Generation 8 is a do-it-all machine for grading and mining use.

The PR 736 is powered by a newly developed Liebherr diesel engine belonging to the EVO series (160 kW / 217 hp). It meets emission level Tier 4f, its exhaust gases being cleaned by a combination between a diesel oxidation catalyst and a selective catalytic reduction and particle filter. Alternatively customers in lower regulated markets have additional engine versions and equipment levels to choose from. The machines' operating weight is up to 56,218 lb (25.5 t). To cover a maximally large application range, various blade versions (straight, semi-U and 6 way blade) with capacities from 5,36 to 7,27 yd<sup>3</sup> (4.10-5.56 m<sup>3</sup>) as well as many rear equipment options are offered.

## **Staying connected at Conexpo**

To experience all Liebherr has to offer before, during and after Conexpo, the company will again offer a free digital app. Through the app, visitors can view the latest show-related news and events, detailed information about our exhibits and product information. The app is available for Apple and Android users. Our micro website, [Liebherr.com/Conexpo](http://Liebherr.com/Conexpo) will also offer up to date and detailed information about the show. And look for customer stories and images that highlight how Liebherr equipment is bringing high profile projects to life in our Conexpo 2020 magazine, which will be available in print and digital editions.

## **A milestone for the next 50 years – our new USA headquarters**

Liebherr is reaching another milestone in 2020 – the opening of an expanded headquarters in Newport News, Virginia. The new facilities will add space that will support employees in sales, service and product support and are evidence of our long-term commitment to the US market. Liebherr's employees – about 1,400 in the US more than 46,000 worldwide, are at the heart of our success and innovation. With an added 251,000 square feet of space, Liebherr USA, Co. will be positioned to serve customers for the next 50 years.

## **About Liebherr in the USA**

Liebherr in the United States, headquartered in Newport News, Virginia, has been manufacturing in the United States since 1970. The company is celebrating 50 years as a leading North American provider of construction equipment and other technically advanced and user-oriented products and services. The continued success of the company lies in the teamwork and dedication of approximately 46,000 employees worldwide and over 1,200 in the U.S. Liebherr provides many opportunities in diverse roles and industries, including engineering, manufacturing, sales, service and more. Liebherr products are sold and distributed throughout the United States through Liebherr's own branches and through an independent distribution network. The manufacturer offers a vast range of solutions in product divisions including Gear Technology and Automation Systems, Aerospace, Domestic Appliances, Components, Concrete Technology, Construction Equipment, Tower Cranes, Mobile and Crawler



Cranes, Mining and Maritime Cranes. The company proudly expanded the Newport News Campus and will open the new Liebherr USA, Co. Headquarters in 2020, continuing its long-term investment and commitment to the U.S. market.

### **Captions**

liebherr-at-conexpo-2019.jpg

Altogether, Liebherr's products will fill more than 53,000 ft<sup>2</sup> (4,900 m<sup>2</sup>).

liebherr-r926-crawler-excavator.jpg

The R 926 will be exhibited in America for the first time.

liebherr-r938-crawler-excavator.jpg

The generation 8 series is made up of seven models ranging from 48,500 to 99,200 lb (22 to 45 t).

liebherr-ltm1650-8-1-mobile-crane.jpg

The Liebherr LTM 1650-8.1 mobile crane is designed to deliver maximum performance.

liebherr-lr1800-1-0-crawler-crane.jpg

The new Liebherr LR 1800-1.0 crawler crane is designed to deliver maximum performance for industrial applications.

liebherr-wheel-loader-l566-xpower.jpg

The L 566 XPower® presented at the Conexpo 2020 is equipped with numerous new assistance systems and the new joystick steering system for Liebherr wheel loaders.

liebherr-110d-k-crawler-concrete-pump.jpg

Special feature: If both the pump and the drilling rig are from Liebherr, the two construction machines can communicate with each other via radio.

liebherr-components-conexpo-2020.jpg

At Conexpo 2020, Liebherr brings large-scale technology to life also with its tailor-made components.

liebherr-hs-8200-duty-cycle-crawler-crane.jpg

First assignment of the HS 8200 in southern Germany.

liebherr-125k-fast-erecting-crane.jpg

New: the Liebherr fast-erecting crane 125 K – currently the largest in its class on the market.

liebherr-ec-b-flat-top-cranes.jpg

The new EC-B series from Liebherr sets new standards in terms of performance and design.

liebherr-a920-mobile-excavator.jpg

The Liebherr A 920 Litronic wheeled excavator is characterized by high mobility, flexibility and versatility.

liebherr-a-922-rail-litronic.jpg

The multitasking construction machine: The Liebherr A 922 Rail Litronic rail-road excavator.

liebherr-lh30-m-industry-litronic.jpg

The LH 30 M Industry Litronic impresses with its versatility and demonstrates maximum handling capacity in all applications.

liebherr-lh-60-m-industry-litronic.jpg

The LH 60 M Industry Litronic is specially designed for heavy-duty scrap handling.

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