

### **Liebherr presents the LTM 1220-5.2 five-axle mobile crane at bC India 2014**

- Proven 220-tonne crane represents range of Liebherr mobile cranes at bC India
- LTM 1220-5.2 reaches hook heights of up to 101 m with 60 m telescopic boom and lattice extensions
- 5-axle crane features optimum lifting capacities with full and partial ballast

**Ehingen / Donau (Germany), 15 December 2014 – Liebherr shows the proven 220-tonne mobile crane LTM 1220-5.2 at bC India. The 5-axle all terrain crane features a 60 m telescopic boom and reaches hook heights of up to 101 m and radii of up to 88 m with lattice extensions. The LTM 1220-5.2 offers a great flexibility of use due to optimum lifting capacities with full and also with partial ballast. The 220-tonne crane offers state of the art technology for more convenience in practical operation.**

#### **Powerful boom system**

The six-part 60 m long telescopic boom on the LTM 1220-5.2 is telescoping in and out easily via the tried and tested rapid action TELEMATIK telescoping system. With its 12.2 m to 22 m folding jib and additional lattice extensions the 220-tonner can achieve hoist heights of up to 101 m and outreaches of up to 88 m. The folding jib can be erected to an angle of 0°, 22.5° or 45°. An optional hydraulic adjustment facility for the folding jib is available, enabling it to luff under full load between 0° and 45°. For work in two hook operation, a second hoist gear and a 3.4 m assembly jib and a rooster sheave are available.

The maximum ballast of the LTM 1220-5.2 is 74 t. The counterweight assembly is a matter of minutes and is actuated from inside the crane cabin. Up to 54 t counterweight the ballast width is only 3.6 m.

#### **Proven, powerful drive train**

A six-cylinder Liebherr diesel engine which develops 370 kW / 503 h.p. and torque of 2,355 Nm provides the LTM 1220-5.2 with all the power it needs. The force is transferred to the crane axles via the 12-speed ZF-AS Tronic gear box. The interarder, a

zero wear hydrodynamic brake integrated in the gearbox, acts as a retarder. In addition a Telma eddy current brake is available as an option. Like almost all LTM mobile crane models today, the LTM 1220-5.2 features pneumatic disc brakes. The rear axles of the new 220-tonner have active electro-hydraulic steering depending on the vehicle speed. This increases the manoeuvrability of the vehicle and drastically reduces tyre wear. Five steering programs can be selected conveniently at the touch of a button.

The Liebherr four-cylinder inline engine on the crane superstructure develops 180 KW / 245 h.p. with a maximum torque of 920 Nm. The crane drive is diesel-hydraulic, with five variable axial-piston pumps, a servo control system and load sensing control. For maximum sensitivity the winches and the slewing gear are operated by closed circuits. Four simultaneous working movements are possible.

### **Ease of control with Liebherr control system LICCON2**

The Liebherr LICCON2 crane control is used in the LTM 1220-5.2. Thanks to its modern and future-oriented control architecture, it facilitates adaptation to the continually growing needs of the market. A mobile, multifunctional control and display unit – BTT Bluetooth Terminal – is provided for setup functions. This means that the crane can be supported easily and safely. The crane driver also has the option of attaching and removing the hook block on the crane bumper with visual contact via remote control of the hoist winch and the luffing cylinder of the telescopic boom.

The Liebherr LICCON2 mobile crane control also offers the option of simple and thus cost-effective extension into a complete remote control system for the crane. Other than the relevant software on the crane, all that is required is a console with two master switches, which the existing BTT plugs into. A significant advantage for the crane operator is that the console can also be used for other cranes with LICCON2 controls programmed for remote control operation.

### **Caption**

liebherr-mobile-crane-ltm1220.jpg

The Liebherr mobile crane LTM 1220-5.2 which is on display at bC India 2014 is engineered for maximum lifting performance.

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**Published by**

Liebherr-Werk Ehingen GmbH

Ehingen / Donau, Germany

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