

Improved safety for Mobile Cranes by Variable Supporting Base from Liebherr

- Liebherr VarioBase® offers arbitrary practical support process
- Safe operation in constrictive locations
- Increase in lifting capacity and extension of possible uses
- LICCON work planner included in the crane cab

Paris (France), 22 January 2015 –All mobile cranes that Liebherr will be presenting at the 2015 Intermat are available with "VarioBase®". Liebherr introduced the new system "Variable Supporting Base" to the market at Bauma 2013 in Munich, Germany. This unique system improves safety for mobile crane work.

Working on sites often means difficult, constricted conditions. It is often not possible to extend all the supports evenly in crane use locations.

Liebherr has developed a unique new system with which every individual crane support can be extended to any length and the crane operation is then made safe by the load moment limiter within the LICCON control – this system is called VarioBase®.

The extension length and support force of every single support is measured and the maximum lifting capacities for this situation are calculated by the crane control. This means that for the first time it is possible to work safely with any support base and accidents caused by incorrect operation can be avoided both during the setup process and when handling loads.

More lifting capacity, larger working range

The Variable Supporting Base ensures higher lifting capacities and a larger working range, even with a maximum support base. The largest increases are made in the operating ranges directly above the supports.

VarioBase® also makes improvements over the 360° lifting capacity tables for hoisting to the front and rear. When the crane is used with part ballast the increase in lifting capacity and the extension of the radius is even more pronounced with the new system than with full ballast. This means that there are less ballast transports needed for many crane jobs.

The LICCON work planner is supplemented by the Variable Supporting Base system which means that jobs can be planned in advance with the new system by the operational managers. Also the LICCON control in the crane cab is be supplemented with the work planner which means that the planned hoists on the actual site can be simulated.

Captions

liebherr-mobile-crane-ltm1300.jpg

The Liebherr mobile crane LTM 1300-6.2 with VarioBase®

liebherr-mobile-crane-variobase.jpg

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Published by

Liebherr-Werk Ehingen GmbH

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