

A Further LR 1250 Enhances Crane Fleet and Convinces During Works Expansion

- Decisive increase in lifting capacity through Blocked Crawler Mode
- Jobsite planning with the Crane Planner 2.0

Nenzing (Austria) 1 March 2018 - The company Dornseiff expands its fleet with a crawler crane type LR 1250. Both the continuously variable main boom of the Liebherr crane and the possibility of increasing lifting capacity were huge advantages on the jobsite for the works expansion of the lighting manufacturer Osram in Regensburg, where Dornseiff's new crawler crane was deployed.

To date fifty-two telescopic and crawler cranes with lifting capacities up to 500 t as well as various loading and mobile construction cranes made up the fleet of the company Dornseiff Autokrane und Schwertransporte & Co. KG, which operates from four locations in Germany. Now the crane hire company has extended its fleet with an additional fully equipped crawler crane, type LR 1250, from Liebherr. The lighting manufacturer Osram Opto Semiconductors GmbH is also expanding, its facilities in Regensburg are being considerably enlarged. The company Dornseiff is involved in the project with its new LR 1250.

For this jobsite the Liebherr crawler crane was fitted with a 35 m main boom and a 35 m jib. It was used for lifting heavy concrete elements as well as the steel construction of the new production building's roof structure. The crane's Blocked Crawler Mode was deployed several times. At an outreach of 45 m, the lifting capacity could thus be increased by 20% to 18 t, and at 36 m by 15% to 23 t. This significant improvement made it possible for Dornseiff to accept the contract for this jobsite. Thanks to the increase in lifting capacity in Blocked Crawler Mode, it was not necessary to use the next biggest size of crane - a decisive advantage due to the confined space on site. Furthermore, the continuously variable main boom with lifting capacities that are actively calculated by the control system proved to be highly efficient for this jobsite.

Dornseiff used the Crane Planner 2.0 to plan the relevant maximum load cases. The planning software is an intelligent solution for organizing a jobsite. Often there is little space, the soil conditions are demanding or the machine has a limited lifting capacity. The Crane Planner 2.0 provides support for all these situations, helps in choosing the correct equipment for heavy lifts, and gives a warning should a potential collision between machine, load or surroundings be imminent, or should safety distances not be observed. Therefore time and money can be saved and, at the same time, safety standards maintained.

The undercarriage of the LR 1250 is fitted with the proven track adjustment, which means the track width can be reduced and even narrow spaces can be easily passed through. Frequent changes in crane position were necessary during the expansion work for Osram and so the high level of mobility and flexibility could be fully exploited. A Liebherr engine type D 944 AT-04 with a power of 230 kW (308 hp) at 1700 rpm drives the crane.

Captions

liebherr-LR 1250-dornseiff-1.jpg

Dornseiff deploys Liebherr crawler crane type LR 1250 for the works expansion of Osram in Regensburg.

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