

Liebherr presents at Intermat 2015 the R 946 – its first Stage IV/ Tier 4f Crawler Excavator on Market

- A new engine, developed and produced by Liebherr
- A selective catalytic reduction (SCR) system using urea injection to post-treat exhaust gases
- A cutting edge technology to ensure high performance levels

Paris (France), 22 January 2015 – To coincide with the 2015 Intermat trade fair, Liebherr is unveiling the R 946, its first crawler excavator to meet the stage IV/ Tier 4f emissions standards. The R 950 SME "Super Mass Excavation", developed using the R 946 base, is specially adapted to quarrying applications and accompanies the launch of this machine. The R 946 will be on display at the 2015 Intermat with a 6.45 m one-piece boom, a 2.9 m stick, a 2 m³ backhoe bucket and an LC undercarriage.

The new R 946 crawler excavator from Liebherr has an operating weight of approx. 40 tonnes. Its new Liebherr engine delivers 200 kW/272 hp. The 6-cylinder Liebherr engine integrates a new stage IV/ Tier 4f exhaust gas treatment system. This features a selective catalytic reduction (SCR) system using urea injection to post-treat exhaust gases.

The robust steel structure of the Liebherr R 946 crawler excavator is key to the machine's reliability, especially in the most difficult applications. The design of the undercarriage itself improves the machine's performance and service life. The connection of the central component, which extends to the end of the side members ("X" construction) provides better distribution of forces and increases the service life of the travel mechanism, thereby improving the equipment's overall reliability.

The cutting edge technology used in the integrated Liebherr systems ensure the crawler excavator offers high levels of performance. This technology is based on Positive Control hydraulic systems, a smart system which uses sensors placed at strategic locations on an excavator. Each operator control is processed by the control computer, which optimises the operation of the engine and the hydraulic system. This

ensures work is quick, fluid and precise. As needed, the circuits are separated or joined to ensure optimum use of energy. Every drop of fuel yields the maximum amount of energy.

In terms of maintenance, the Liebherr R 946 crawler excavator has been designed to speed up operations carried out every day and improve machine availability. The maintenance areas are easy to access and the R 946 has automatic central lubrication as standard. The operator can also easily check the engine oil and urea solution levels via the control display.

The new R 946 offers a spacious cab that provides a pleasant working environment for the driver. The seat has air suspension as standard to ensure maximum comfort, further enhanced by the ergonomic controls. The large colour 7" touchscreen provides a high definition display, compatible with video, and boasts a range of setting, control and monitoring options. Also supplied as standard is fully automatic air conditioning, with 13 air outlets to ensure a constant and pleasant working temperature. The image from the reversing camera, fitted as standard, can also be displayed on the on-board display.

The integrated roll-over protection (ROPS) in the cab complies with the ISO-121117 standard and ensures the driver remains safe in all situations. The engine compartment lighting allows maintenance to be carried out on the machine easily and in complete safety. The lower windshield wiper, 360-degree camera and timed lights-out feature also help to optimise the working environment and ensure it is as safe as possible.

Captions

liebherr-crawler-excavator-r946-01.jpg

The new R 946 crawler excavator from Liebherr meets stage IV/ Tier 4f emissions standards

liebherr-crawler-excavator-r946-02.jpg

The new R 946 crawler excavator from Liebherr features a Liebherr diesel engine that delivers 200 kW/272 hp

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