

Liebherr Presents New Generation 6 Dozer at the Conexpo Con/Agg 2014

March 2014 – Liebherr is proud to showcase the company's latest technologies and innovations in earthmoving equipment during the Conexpo Con/Agg 2014.

The new Generation 6 PR 736 dozer will be introduced to the American market during this construction equipment trade show in Las Vegas (USA). The PR 736 has an operating weight between 44,000 and 55,000 lb (20,000 and 25,000 kg).

Increased efficiency, innovative travel drive

This Generation 6 dozer has been newly designed for increased efficiency and for reduced fuel consumption and CO₂ emissions.

This model features an electronically-regulated travel drive with an integral eco-function. When the operator chooses between high-performance potential and maximum economy, the system automatically selects the optimal setting for economical operation of all travel-drive components.

Proactive power control is another Generation 6 innovation. Travel drive settings adjust automatically when the operator selects a different level of speed by the joystick, which prepares the power train for higher performance demands. In addition to fast response, this new dozer offers increased performance potential.

To simplify the use of automatic machine control systems, Liebherr supplies pre-installation kits for leading manufacturers' systems. The automatic machine control system provides the operator with accurate guidance in order to maintain consistent grading quality.

Like all Liebherr dozers and loaders, the PR 736 features a hydrostatic transmission. This efficient driveline keeps the engine speed at a constant level of performance. Power train components and Liebherr's intuitive engine management system match perfectly in order to achieve high efficiency and lower fuel consumption.

The new PR 736 is equipped with several features that expedite and simplify service procedures. These include centrally located maintenance points, access flaps and engine compartment doors that open to a wide angle. The machine's tilting cab is standard, and an optional radiator that can be swung out for cleaning is available.

The new PR 736 has exceptionally long maintenance intervals for operating fluids. Depending on the nature of the work, and provided that regular quality checks are being performed, the hydraulic fluid interval can be as long as 8,000 hours of operation.

The standard Liebherr fleet management system LiDAT provides an accurate, efficient overview of essential servicing work, warning messages, the machine's position and actual consumption data and filling levels. Depending on the customer needs, the data is updated several times a day and can be retrieved when needed by means of a web browser. An automatic alarm function can also be selected in the event of a machine leaving its predetermined zone or if a critical operating situation arises.

Extended track life, high comfort in operation

The track assemblies for Generation 6 dozers have also been redesigned. In order to extend the operating life of the track and the sprocket, the drive sprockets are now of larger diameter with more teeth in mesh. When operating in abrasive surfaces, optional track assemblies with rotary bushings are available. In addition to being 100 % exchangeable, they prolong the replacement intervals for this specific type of work.

With its downward-angled body panel edges and panoramic windows that include the door area, the PR 736 provides the operator with a complete view of the machine's working attachments and the surrounding terrain. The exhaust system is entirely concealed by the A-post so that the operator's view is unobstructed. Superior visibility allows for more efficient machine operation and promotes safety.

The PR 736's operator cab has been newly designed. The operator can move the ergonomically-shaped travel controls to the most convenient position. An integral contact switch in the comfortable seat identifies the operator's presence automatically without the need for a safety lever to be engaged. The desired travel speed can be

preselected with without shifting gears. The speed can be saved in the memory when direct selection is needed.

The PR 736 is equipped standard with a touch-controlled display. The touch screen is the interface for the new control structure for modular construction. Additional options such as reversing cameras can be incorporated on this screen, as well as functions designed for further comfort such as air conditioning control. The PR 736 can be equipped with alternative operator interfaces, with an inching brake pedal or different control levers.

High-performance LEDs illuminate the work area effectively, even in unfavourable conditions. The modular lighting concept is integrated into the PR 736's redesigned bodywork and can be chosen specifically to suit the applications that the machine will perform.

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