

Hitachi ZX350LC-6 delivers durability without compromising on efficiency

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Hitachi Construction Machinery (Europe) NV (HCME) presents its latest development in pursuit of the ultimate excavation machine: the exceptional new ZX350LC-6. Designed and engineered to meet the demands of construction and quarrying customers, it offers the highest level of durability without compromising on efficiency.

With added protection for key components and high-quality materials, the new Zaxis-6 medium excavator offers exceptional reliability and outstanding availability. It incorporates unique Hitachi technology developed specifically for the Zaxis-6 medium excavator range, and has incredibly versatile features for a wide range of industry solutions.

Several features enhance the durability of the ZX350LC-6. Enlarged track guards reduce potential damage to the track link. A reconfigured lower roller ensures that mud falls out easily to prevent clogging and any subsequent damage to the oil seals. The front attachment's durability has been enhanced by HN bushings to strengthen the brackets on the boom end and foot, and reinforced resin thrust plates on the boom.

The new Zaxis-6 medium excavator incorporates high-quality components such as the in-cab console, which is made of weather-resistant AES-grade resin that prevents damage from UV rays. The upper structure has high-quality sealant (around the cooling package) and acoustic materials to eliminate any deterioration caused by heat. These ensure the machine's long-term cooling and low-noise performance.

TRIAS II technology developed by Hitachi offers exceptional efficiency by reducing total hydraulic loss. This results in a 15% fuel saving in ECO mode (7% in PWR mode) with the same level of productivity.

Another example of advanced technology is the after-treatment device that results in fewer emissions and a quieter performance. It consists of a diesel oxidation catalyst, urea mixing pipe, (selective catalytic reduction) SCR system and silencer. The SCR system injects urea into exhaust gas to reduce nitrous oxide. Pollutants are also reduced by the variable geometry turbocharger and high volume-cooled exhaust gas recirculation system.

Demonstrating the new model's versatility, the tilting rotator and tilting bucket modes are included within its attachment support system. These and nine other modes can be registered on the monitor for easy fitting of

attachments. Two extra spools in the control valve make it easier to install attachments that require multiple, large volumes of oil and on two-piece boom models.

HCME's General Manager Engineering, Tsuyoshi Nakamura, was the leader of the development team for the new range of excavators including the ZX350LC-6. "From an operator's point of view, the Zaxis-6 range offers a comfortable working environment, is precise, intuitive and easy to manoeuvre," he says. "Low fuel consumption, as well as high controllability and productivity, make it stand out from the competition."

Source: Red International Communication