

Volvo Pushes Load Assist Real-Time

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On-Board Weighing Accuracy to +/- 1%

The updated Load Assist, On-Board Weighing, from Volvo Construction Equipment provides payload accuracy within $\pm 1\%$ on every bucket, while the machine is moving.

Volvo Construction Equipment has updated the Load Assist application for its L110H to L260H wheel loaders and, together with a new version of the Android platform, operators will now get real-time information on every bucket's load within $\pm 1\%$ accuracy.

"Load Assist, On-Board Weighing gives operations a level of accuracy that will improve their efficiency and productivity even more, helping to reduce over-loading, under-loading, reweighing and waiting times," said Eric Yeomans, product manager, wheel loaders, Volvo Construction Equipment. "Additionally, our system is dynamic, meaning wheel loader operators can weigh their loads on the move."

Real-Time Information

An operator accesses the real-time information by utilizing the on-board Volvo Co-Pilot display. This 10-inch, high resolution touchscreen works in conjunction with the On-Board Weighing app, which captures all load data via pressure and position sensors. While in operation, the operator can monitor the loading progress in real-time. The dynamic system measures the bucket load on-the-go to eliminate any disruption in workflow. Colored bars help the operator visualize the tonnage currently in the loader's bucket, tonnage already delivered, and tonnage that still needs to be delivered, while icons offer insight into why the weight is not locked properly.

Other Key Updates

In addition to the $\pm 1\%$ payload accuracy, there are number of other updates in this version that include:

- New interface simplifying daily calibration, with step-by-step guidance
- New view selector letting operators see load data and the rear-view camera at the same time

- A-Z sorting function to make organizing lists such as work orders, customers and targets easier
- Can display payload in pounds in addition to tons
- New Android tethering function, allowing remote software downloads.

Operations management

Using Volvo Co-Pilot, the system will feed information to the CareTrack® telematics system, giving remote access to the machine's data and performance to the manager who can then determine areas of opportunity to improve productivity and lower costs.

Source: Volvo Construction Equipment Americas