



COMPACT ASSIST FOR SOIL COMPACTORS

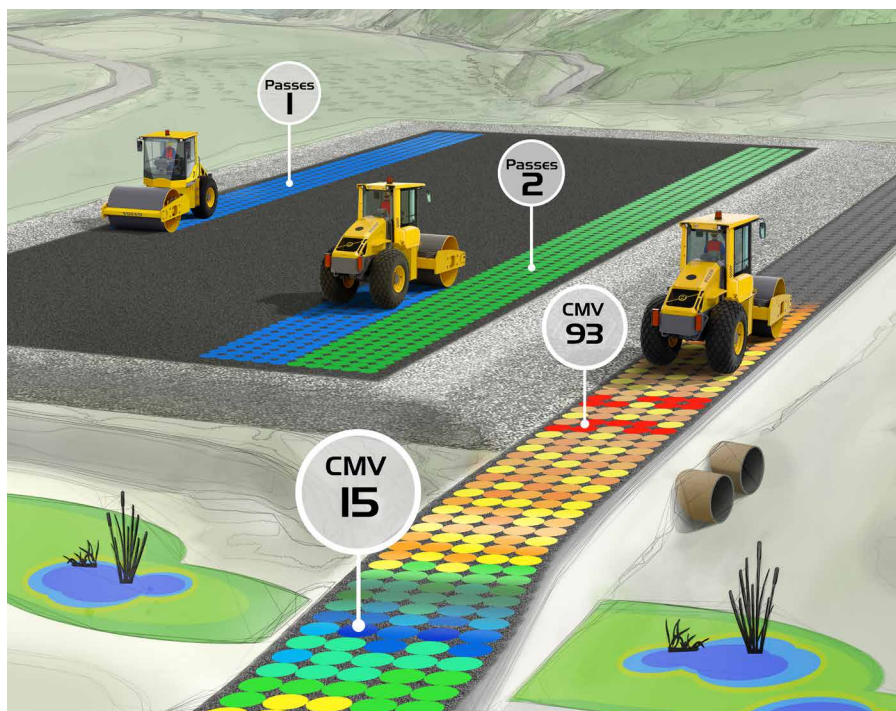
Intelligent Compaction for Soil Compactors



Intelligent compaction for soil applications

Powered by the Volvo Co-pilot, Compact Assist for Soil gives you access to a selection of work enhancing tools, which can help to boost the efficiency and quality of your compaction work. Gaining real-time visibility to both the coverage and quality of compaction, allows the operator to adjust their work in real time to optimize operation, and to identify areas that need to be improved before compaction takes place.

With the ability to access both the quality of the operation and compaction results in the field, as well as in the office, you can maintain full control over your site.



	Compact Assist
Pass Mapping	X
Stiffness Mapping (CMV)*	X
GPS Antenna (High Accuracy)	X
Job data recorded and saved	X
Automatic job report creation	X
USB and Over-the-air download	X
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USB and Over-the-air download	X

* Stiffness value is not calibrated.

STANDARD EQUIPMENT

10" Volvo Co-Pilot tablet	IP65 certified for weather proof protection	
Alignment files	2D cad files can be uploaded to display a defined working area	KMZ, KML
Global Navigation Satellite System		
Coordinate Systems	UTM / State Plane / Local	
Roller Mounted GNSS Antenna	SBAS (Satellite Based Augmentation Service)	1m / 36" Accuracy - RTK Compatible
NTRIP Correction (3rd party)	NTRIP (Networked Transport of RTCM via Internet Protocol)	2.5cm / 1" Accuracy
Base Station Correction	RTK (Real Time Kinematic)	2.5cm / 1" Accuracy
Radio Frequency band	Operating spectrum for mounted antenna	410-480 MHz
Alternate Radio Frequency bands	Radio kits can be purchased through aftermarket for non-compatible Base Stations	
Reporting		
Job report	Job report automatically created when a lift is completed	PDF
Full data set	Full data set is automatically created and saved with each lift and can be viewed in VETA	CSV
USB Download	All data can be downloaded directly from Co-Pilot display with a USB stick	
Over-the-Air Download	All data can be uploaded at a selectable interval (30 min to daily)	SIM card must be purchased separately

OPTIONAL EQUIPMENT

"RTK Base station, 2.5cm/1" Accuracy
Includes a GPS 3320 GNSS radio receiver with all supporting equipment to setup the land base."

Effective compliance with local IC requirements might vary; Please check relevant standards for your location.

Compact Assist is available for SD75B, SD115B

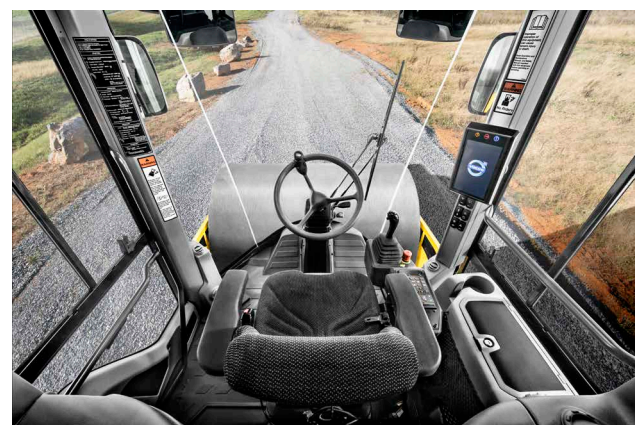
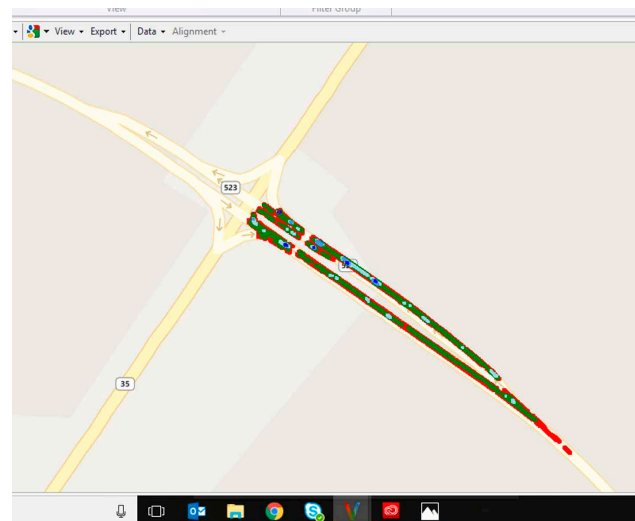
Job reports and Data Download:

Compatible with VETA, Compact Assist provides extensive detail of the performance of the roller without the need for any post processing. Job data is automatically backed up and can be easily exported wirelessly or by using a USB-stick. You can also generate ready-made PDF reports and CSV data files for further analysis.

Key tools for soil compactors:

Pass Mapping - Visualize the whole job and keep track of where you have compacted. With Pass Mapping, you can easily see where you have already been and where compaction is still required, saving time and preventing unnecessary rework- ideal when working across large jobsites.

Stiffness Mapping - One of the challenges of soil compaction is that it can be difficult to visually identify when a job is complete. Stiffness Mapping enables the operator to ensure that a compaction project has been correctly completed across the jobsite, as well as detect any buried infrastructure and identify areas for improvement.



VOLVO

Volvo Construction Equipment