

VOLVO



Powered by Volvo Co-Pilot

HAUL ASSIST

Volvo Construction Equipment



DRIVE SITE EFFICIENCY

Optimize your operation with Haul Assist, powered by the 10" Volvo Co-Pilot monitor. Gain access to a set of tools designed to help you get the most out of your Volvo Articulated Hauler and boost your profitability.



Watch our
Haul Assist video ▶



ON-BOARD WEIGHING

Take control of your productivity

Benefit from real-time insight into the payload of your Volvo Articulated Hauler thanks to On-Board Weighing, helping you take control of your production and achieve peak productivity with every load.



Optimal payload

On-Board Weighing provides real-time payload information which can help to eliminate carry-back and overloading; the result is peak productivity, reduced fuel consumption and less machine wear. External lights provide a visual guide to assist the operator of the loading unit in achieving the nominal load.

Enhanced machine performance

Payload data provided by On-Board Weighing is one of several inputs to Volvo Dynamic Drive. Volvo Dynamic Drive optimizes gear shifting, ensuring maximum performance, lower fuel consumption and ease of operation.



Say goodbye to carry-back as well as excessive fuel consumption and machine wear.

Your partner in the cab

A large, easy-to-use touchscreen provides a clear visualization of current machine activities.

Productivity dashboard

The dashboard monitors productivity data, with the possibility to set individual targets.

Dump zones

Keep track of all transported material to each dump area.

Material

Keep track of different types of material.

Integrated rear-view camera

Choose between full screen or split screen which shows the rear camera alongside On-Board Weighing information.

Productivity reports

Detailed productivity information is stored in the Volvo Co-Pilot and can be exported over the air to a cloud-based portal or by using a USB-stick, enabling further analysis. Reports can be generated automatically on a daily and weekly basis, or manually at any time.



TIRE PRESSURE MONITORING SYSTEM

Proactive tire management

Optimize tire life with the support of the Tire Pressure Monitoring System, which allows the operator to monitor tire pressure and temperature from the comfort of the cab.



Tire monitoring made easy

With real-time information on tire pressure and temperature, the operator can ensure that tires are operating within the correct parameters. If not, the operator receives an alert and visual display of which tire needs attention.

Lower Total Cost of Ownership

The integrated system saves time during machine inspections while also helping to secure the highest levels of tire life, machine performance, fuel efficiency and operator comfort.



*High or low tire pressure will have an impact on fuel consumption and tire life.
For example, a 10% under-inflation increases tire wear by up to 10%.*

Durable system

The system consists of a transceiver and six tire valve sensors. The well-protected components are built to the highest standards and designed to take on the toughest environments.

Monitored information

The system tracks three criteria: low pressure, high pressure and high temperature.

Set your limits

Each tire is monitored independently and pressure limits can be easily changed. Alarm limits are displayed as nominal values and percentages.



All at a glance

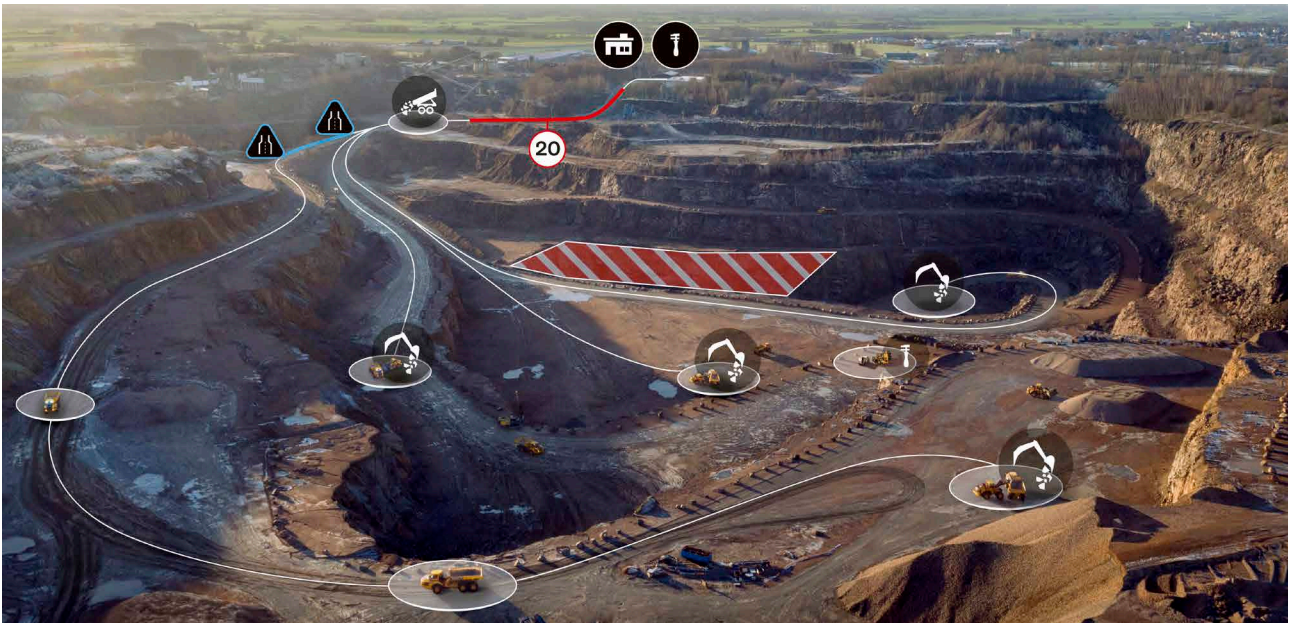
Easily keep track of the Tire Pressure Monitoring System and On-Board Weighing, both displayed on a single screen.



MAP

A complete site overview

Monitor the whereabouts of your machines, vehicles and visitors in real-time with Map, a connected tool which provides accurate positioning to help monitor on-site traffic and navigate the site more efficiently.



Improved orientation

Knowing the position of machines, vehicles and visitors on-site can help operators avoid unwanted situations, especially when working on jobsites with restricted visibility. Speed limit notifications further remind operators to maintain the recommended speed.

Enhanced operator performance

Being able to monitor on-site traffic and follow the flow allows operators to better anticipate operating decisions.



Real-time positioning of on-site traffic helps to better anticipate operating decisions and reduce unnecessary stops.

How it works

The hauler's built-in GPS is used for positioning and communication purposes with other machines equipped with Volvo Co-Pilot, as well as any other vehicle and visitor connected to the Map application through telecom.

Haul roads

Haul roads are shown to help operators navigate around the site.

Load and dump zones

Pre-defined load/dump zones can be specified to trigger certain functionalities, for example activating On-Board Weighing information when entering a specific area.

Pre-defined routes

Pre-defined routes between loading and dumping areas can be highlighted.

Single-lane sections

To avoid traffic congestions, the operator will be notified if another machine is approaching within a pre-defined single lane section.

Restricted areas

Specify no-go zones on the map to help operators avoid entering restricted areas.

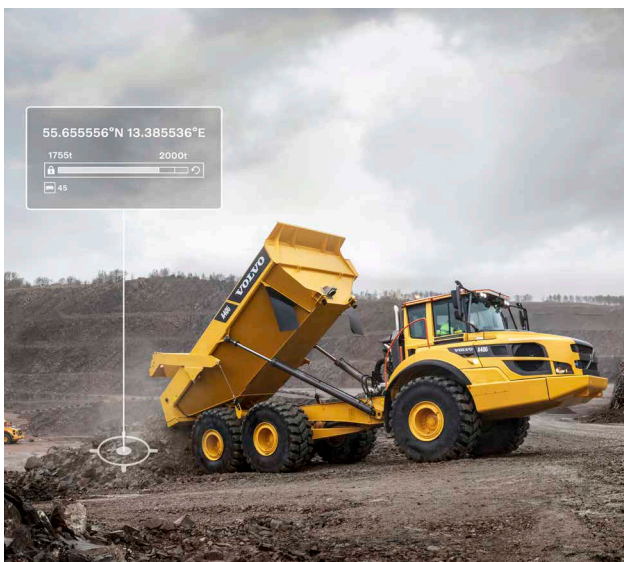


Speed-restricted sections

Set speed limits for the site and/or specific sections to prevent speeding.

Points of interest

Visualize specific points of interest for reference purposes, such as the office, workshop, fuel station or lunchroom.



Site specific reporting

With Map you get the ability to include GPS-coordinate data in your productivity reports.

Handy essentials

Just as you would expect from your smartphone or tablet, Volvo Co-Pilot comes pre-installed with apps designed to make the operator's life easier.

Support you can count on

As a fully integrated and factory-fitted Volvo system, all the components, hardware and software of Haul Assist are supported by your Volvo dealer to keep your operation running smoothly.





Calculator

Completes basic calculations and can also be used as a unit converter.



Notes

There's no need for pen and paper when you have a digital notepad at your fingertips.



Weather

Weather informs you of current and upcoming weather conditions – helping you to plan the work ahead.

Remote support

Get remote support when you need it thanks to the connectivity of your machine combined with Volvo Co-Pilot.

Over the air updates

Just as you would expect from your mobile phone, Haul Assist stays fully up-to-date with the latest software version, thanks to over the air updates.



Easy upgrades

As you continue to grow and evolve how you use the Haul Assist, you can easily upgrade the available functionality without any work required to the machine or hardware.

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