

VOLVO CONSTRUCTION EQUIPMENT

# CARETRACK

**SEE.**  
THE ONLINE WAY TO  
MAXIMIZE PERFORMANCE.



**MORE CARE. BUILT IN.**



# MONITOR YOUR MACHINE INVESTMENT - FROM WHEREVER YOU ARE



CareTrack from Volvo is much more than just a tracking system.

One could be forgiven for describing CareTrack as a GPS system. On the surface that is exactly what it appears to be and such a description certainly helps to explain the system in its simplest form.

Yes, it uses satellites, and yes it allows you to locate your machine with pinpoint accuracy.

But CareTrack offers much more than just that.

Using CareTrack, you will actually have at your fingertips, more information about a machine than even its operator.

## Take machine monitoring to the next level

At any given moment, wherever you are, you can access a wealth of valuable information about the state of your machines. For instance, you can see when they are being used, at what speeds they have been driven, fuel consumption, time remaining until next service, and much more.

Or, you can simply check to see exactly where they are – right now.

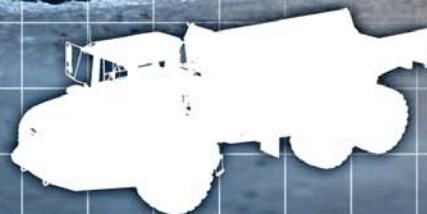
Your machines are a large capital investment in your business – perhaps the largest – so it's wise to ensure that you're getting the maximum return on that investment.

Sure, a well-run maintenance program and regular conversations with the operators provides good feedback on machine condition – but there will always be more to the story that you need to see.

## All the information directly at your fingertips

CareTrack data can clearly demonstrate opportunities to improve machine operating efficiency. It can also tell you if operator technique needs correction in order to lower machine stress and extend component life. It gives you information you might otherwise never have – even if you were sitting right there with the operator. Use this information to protect and maximize return on both investments – your machines and your operators.

And that's just the beginning...



**MACHINE ID: A40D 24503**

# HOW CARETRACK KEEPS YOU IN TOUCH



With a CareTrack equipped fleet, all that is needed to stay in touch with your machines is an internet connected computer.

Whether from the office, at home, or on the road – anywhere there is internet access, you have a direct line to your fleet. See their location, operating status, and upcoming service requirements.

How? As a default, CareTrack uses GSM<sup>1)</sup>/GPRS<sup>2)</sup> to communicate directly with the on-board computers in your machine – giving you a constant connection.

Using a combination of the GSM/GPRS communications network and GPS (Global Positioning System) satellites to locate and connect with your machines, CareTrack moves information instantaneously from your machine's CareTrack computer to your log in terminal.

Each machine is fitted with a small CareTrack control unit (W-ECU), an integrated GPS receiver/modem, and an antenna. This is connected to the machine's onboard

systems, giving you access to the relevant instrument panel readings and much more. Once CareTrack is active, when the machine is on, it's always online. You can locate it anytime you like, from wherever you are. If your machines are out of range of GPRS, data can be sent via an optionally fitted satellite transmitter.

Simply log in through your secure CareTrack portal and every operating machine in your fleet will be online, in real-time. Even when machines are not operating, detailed information about the previous day's work will always be available, updated every 24 hours.

CareTrack system is available in numerous markets globally and coverage is offered in more and more countries, as local regulations are met.

1) The Global System for Mobile communications that mobile phones use.  
2) The General Packet Radio Service, enabling mobile phones to send/receive data more rapidly.



Transmitting data...

76% fuel level

MACHINE ID: EC290B 265001



# HOW CARETRACK PUTS YOUR DEALERSHIP IN TOUCH WITH YOU



By “troubleshooting” machines remotely, technicians can be more certain of having the correct parts and equipment when they make a site service call.

There are big CareTrack benefits to be provided by your Volvo dealer as well – they can be an additional, highly skilled resource to help manage the health of your fleet.

Having your dealership help monitor your fleet means they can see machines coming due for maintenance or service, allowing them to more effectively schedule a service technician for you in advance. Also in the dealership CareTrack toolbox is MATRIS\* which provides readings of usage characteristics without the need to be onsite.

MATRIS analysis provides historic data and analysis on each machine’s performance in easy to understand graph form. From this, your dealer can recommend changes in operator techniques, usage patterns, or even machine deployment, in order to get the most from it.

By having machine information available remotely, your dealer can identify problems before they send a technician. This is a simple yet highly effective way to increase uptime and lower service costs.

Also, remote diagnosis means technicians can be more certain of having the correct parts and equipment when they make a site service call. They will even know precisely where the machine is located and will reach the machine already equipped with diagnostic information. Therefore, time on-site is kept to an absolute minimum and machines return to work sooner.

CareTrack gives you and your Volvo dealership strength in partnership. Imagine having the power to make nasty surprises on cold, wet, busy mornings a thing of the past.

### On track and in control

Using CareTrack, you can in essence, connect your machine or your fleet directly into the back of your computer. This gives you more current and vital information about your investment than you have ever had access to before.



MACHINE ID: A30E 12022

\* MACHINE TRACKING and INFORMATION SYSTEM

# CARETRACK FOR ONE MACHINE OR FOR A WHOLE FLEET



CareTrack has been developed at two levels: **Basic and Advanced.**

## CareTrack Basic

Any machine in your fleet can be equipped with CareTrack Basic – Volvo or any other – including service vans and cars. It includes:

- **Real-time data**

The exact position (on a map, as latitude and longitude and as a street name) and total machine hours.

- **Daily usage reports**

Every 24 hours, easy to understand reports indicating how many hours the machine has been working and when it was started and stopped. You can subscribe to daily, weekly or monthly reports – whichever you prefer.

- **Geofence**

You set the geographic boundaries within which your machine must operate. If it breaks your rules, you get an immediate alarm by email and on your mobile phone.

- **Timefence**

You decide which hours of the day – and which days – your machine operates. Again, if it breaks your rules, you get an alarm by email and on your mobile phone.

- **Service reminders and history**

Service reminders can be sent to you both by email and to your mobile phone. You can also see each machine's service history on our secure website.

- **Planning for part changes**

CareTrack includes a function that lets you effectively plan for changing specific wear parts that fall outside the normal service regime (for example, particle filters). It can also give you timely reminders when the changes are due.

- **Downloadable reports**

Not only are CareTrack reports easy to understand, they can be downloaded to print or email – which makes distributing fleet management reports simple.

## CareTrack Advanced

CareTrack Advanced is designed specifically for use with Volvo Construction Equipment. It has all of the advantages of Basic, but also offers these additional functions:

- **Real-time fuel level of each machine**

Accessed via the CareTrack secure website and shown in simple graphic form.

- **Machine utilization and performance reports**

CareTrack can compile daily reports on the activity of your entire fleet during the previous 24 hours. This makes it easy to compare the performance and productivity of individual machines (or separate shifts) against each other. You can subscribe to daily, weekly or monthly reports so you don't even have to remember to log on – CareTrack will email the reports to you automatically.

- **Alarms and warnings**

Subscription is available for instrument panel warnings – sent to your email and mobile phone as soon as they occur. This ensures that you know immediately about any problems with coolant, oil etc.

- **Remote troubleshooting**

Allows your dealership to analyze your machine before their technicians arrive onsite. This helps ensure the needed parts are brought with them, thus minimizing your downtime.

**For more details about CareTrack and the many ways in which it can benefit your business, please contact your local Volvo Construction Equipment dealership.**



**MACHINE ID: L60F 5072**



CareTrack is a fleet management system that allows you to monitor your whole fleet – or a single machine – from any computer with internet access, from anywhere in the world. Managing your equipment today and planning for tomorrow becomes easy with real-time information streamed to your screen in easy to understand formats. With CareTrack, you will never have to wonder whether you are getting the best from your Volvo machines.

**More care. Built in.**



*Not all products are available in all markets. Under our policy of continuous improvement, we reserve the right to change specifications and design without prior notice. The illustrations do not necessarily show the standard version of the machine.*

**VOLVO**

**Volvo Construction Equipment**  
[www.volvoce.com](http://www.volvoce.com)

Ref. No. VOE21B1005444 English  
Printed in Sweden 2009.02-1.0 CST  
Volvo, Eskilstuna