

KOMTRAX[®]

Wireless Equipment Monitoring System



KOMATSU
Driven by your success

KOMTRAX[®]

KOMTRAX gathers critical machine information to make fleet management easier and more effective. This data provides key information about your operators, machines, conditions . . . and more.

Information is key...



KOMTRAX is Komatsu's remote equipment and fleet monitoring system. Leading-edge wireless technology and a secure, user-friendly, Web-based application provide critical information . . . anytime, anywhere.

Fact-Based Fleet and Asset Management

KOMTRAX tells you where your machines are, what they are doing, and how they are doing it. It provides "total fleet management" capabilities for improved fleet utilization, reduced downtime, more precise job costing, and lower Owning and Operating costs.

Equipment Operation Information

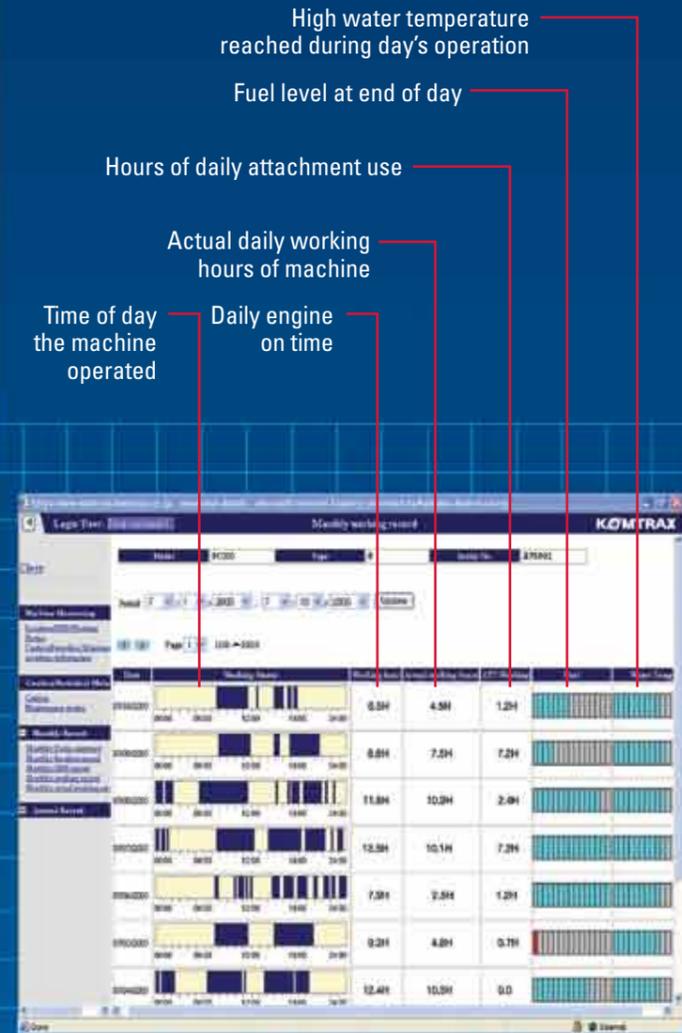
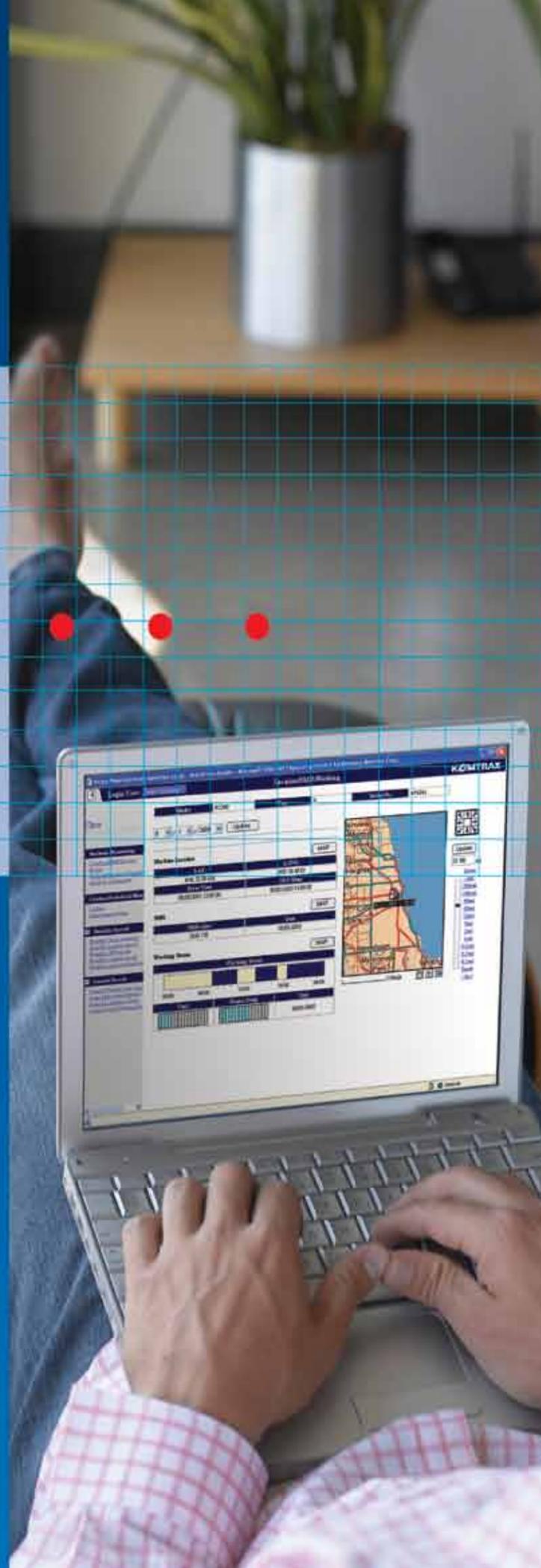
KOMTRAX can help keep your machines operating at peak performance and provides useful information on operator habits and abilities. KOMTRAX also provides the information you need to maximize output through increased efficiencies, for just-in-time maintenance, preventative maintenance or rebuild scheduling, and operator training.

Improved Distributor Support

Using information provided by KOMTRAX, your distributor can align their manpower, processes, and inventories to better support your parts, maintenance and service needs. Accurate and timely information can improve response time and help lower costs and decrease downtime.

User Friendly Web-Based System

The KOMTRAX application is Web-based and provides a wealth of information in a user-friendly format. A variety of charts and graphs, as well as useful search and filter parameters, make finding what you need fast and easy. Data can also be provided for custom office applications or downloaded directly into spreadsheet applications.



Features

- Location
- Geofencing
- Service Meter Reading
- Operation Maps
- Fuel Level
- Water Temperature
- Cautions
- Maintenance Replacement Notification
- Working Hours
- Load Frequency
- Engine Lock
- Abnormality Codes
- Average Hourly Fuel Consumption
- Machine Operating Information
- Monthly and Annual Reports
- Web Application and more...

Features listed above are examples of information provided by KOMTRAX installed in a PC200-8 excavator.

KOMTRAX provides timely information so that you, your distributor, and Komatsu can be more proactive and respond faster.

Better information...decisions... returns



KOMTRAX will allow you to gain greater control over your operations and help increase machine component life, reduce catastrophic failures, eliminate most unplanned downtime, and manage your business better.

Web Application and Custom Applications

The KOMTRAX Web application allows you to see all machine information using easy-to-view maps, graphs, and charts. A variety of search parameters are available to quickly find information about specific machines based on key factors such as utilization rates, age, various notification messages, and more. Access and viewing rights can be controlled so that the right people see the right information.

KOMTRAX information can also be downloaded into spreadsheet programs for further analysis or uploaded directly into existing office systems.

Distributor Support

KOMTRAX will help your distributor increase their level of support for your machines and your specific needs. With the improved level of information provided by KOMTRAX, your distributor can take a more proactive approach and anticipate your service and maintenance needs, as well as current and future parts requirements.

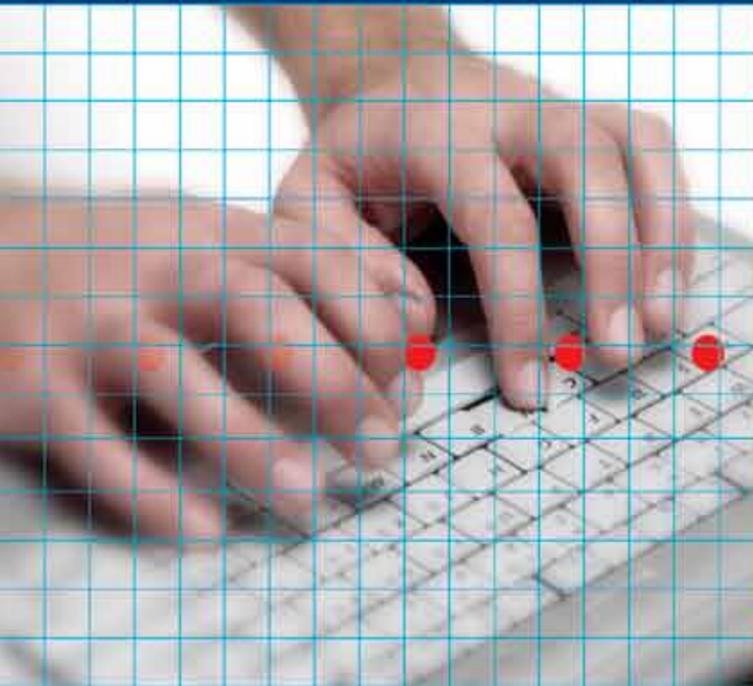
The information KOMTRAX provides will also lead to faster product improvement measures from Komatsu, increasing component life and reducing the life-cycle cost and keeping your equipment working at its optimal level.

More Financial Advantages

When it's time to trade-in or sell your equipment, having a complete and accurate machine life history may increase the resale value of your equipment. Also, Komatsu's geofencing and engine lock features reduce the possibility that machines will be misused or stolen. This can, in many cases, reduce insurance costs.

KOMTRAX provides the information you need to make the best possible operations and management decisions . . .

At your fingertips...



KOMTRAX gives you more control over your machines by providing critical information about your equipment and their operation. Abnormality codes relayed to your Authorized Komatsu Distributor, as a potential problem is occurring, allows for a higher level of support, a reduction of expense, and less unscheduled downtime.

Machine operation monitoring can facilitate proper maintenance scheduling and can indicate a potential problem before a minor or catastrophic failure occurs. Operator monitoring provides accurate productivity and utilization information, which will improve efficiency and assist with new operator training. Additionally, the user-friendly KOMTRAX Web application can help you easily review and manage all of the information KOMTRAX collects, anytime ... anywhere.



Location

KOMTRAX utilizes a network of global positioning satellites to tell you where your machines are located daily; assisting with logistics, fuel scheduling, and scheduled maintenance, as well as discouraging or eliminating theft and unapproved usage.

Geofence

Your Distributor can assist in creating operation areas (Geofences) that indicate where your machines are expected to operate. If a position report is received that is outside of your defined areas, a notification is generated and displayed on-line.

Service Meter Reading

Equipment hours can be tracked for a variety of uses including service and maintenance scheduling. This eliminates the need to be at the job site or to rely on another party to log and call in current hours.

Operation Maps

KOMTRAX tells you what times of the day your machines are operating; whether they are working when they should be.

Fuel Level

Fuel level information helps you better manage fuel service scheduling and can help determine which machines are working hardest. A 15-bar graph shows how much fuel is in the tank at the end of the day.

Water Temperature

The high water temperature mark of the day is reported nightly.

Cautions

You will know if a caution light flashes in the cab. The caution explanation and time it occurred, as well as number of occurrences, are displayed on the website for your review.

Abnormality Codes

Abnormality codes are transmitted only to your Komatsu Distributor so technicians can troubleshoot the machine before arriving at the job site. This reduces travel expense, downtime, and ensures that the proper parts are with the mechanic when they arrive, the first time.

Maintenance Replacement Notification

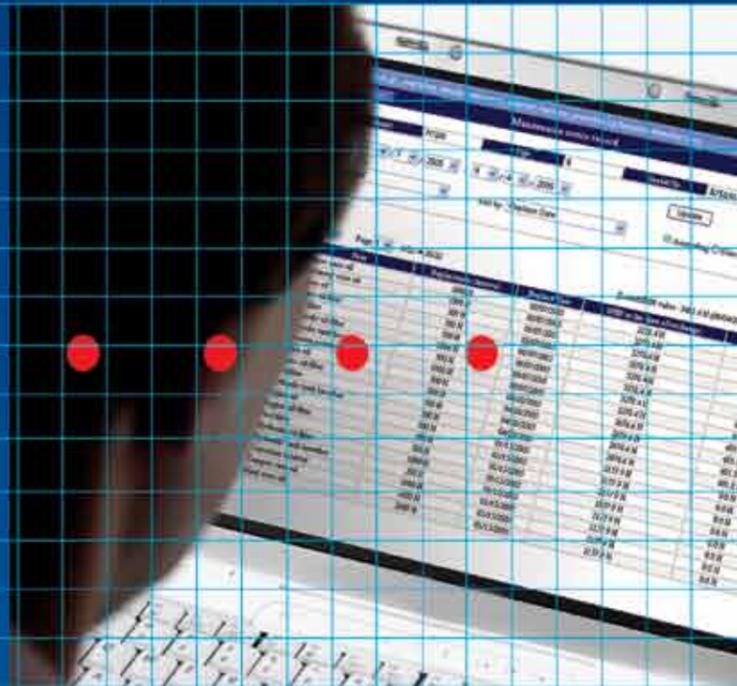
Alerts indicate when you need to change replacement items like filters and oil, for increased machine productivity, maintenance scheduling, and longer equipment life.

Working Hours

Detailed operation information tells you how and when the machine is being used and how productive your machines and operators are. The easy to follow bar chart shows engine-on time, work time as a reflection of the pressure relief valve, and attachment operating time.

Load Frequency

Knowing hydraulic pressure levels and the loads of your machines can help you better schedule component replacement and prevent major failures. It also works as an early warning sign for potential overload or underload situations and can tell you whether you are using the proper sized machine for the task.



Engine Lock

A number of engine lock and un-lock capabilities ensure that your machines are only operated in designated areas and during designated days and times.

Average Hourly Fuel Consumption

Taken from the fuel injection valve, you can get a true reading of the actual fuel consumed and an average over the operating period. This can help identify machines which are working too hard, or not hard enough, as well as those that may need maintenance.

Machine Operating Info

Key operation information like excavation, travel, dig, relief, and hoist times can help monitor operator performance and assist with training of new operators.

Monthly and Annual Data Reports

Summaries of all critical data are available to help with fleet utilization analysis, machine scheduling, future equipment purchases, job costing, etc.

KOMTRAX[®]

KOMTRAX is installed in almost all new Komatsu construction equipment including:

- Excavators
- Crawler Dozers
- Wheel Loaders
- Articulated Dump Trucks
- Smaller Dump Trucks
- Motor Graders

In fact, it can be installed in any piece of equipment using a 12V or 24V electrical system, including service trucks and utility machines. Additionally, KOMTRAX is available as a retrofit for older machines or non-Komatsu equipment.



System requirements

Hardware

- IBM PC/AT compatible
- CPU: Intel Pentium 300MHz or above (recommended)
- Memory: 256MB or above (recommended)
- HDD: 1GB usable hard disk space (recommended)
- Display: 16-bit, 1024 X 768 or higher (recommended)

Software

- OS: WindowsXP/Windows2000
- Browser: Internet Explorer 7 or above, and Chrome
- Electronic authentication not required for customers. Required for distributors and Komatsu users.

Network Connection

Should be connected to Internet or Komatsu Intranet. Internet line speed of more than 1Mbps is recommended, but not necessary, for smooth display of maps and other graphics.

Contact your local Komatsu Distributor for additional information.

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Materials and specifications are subject to change without notice.