Komatsu Wireless Monitoring System

KOMTRAX

Control your machine
for total peace of mind

What is KOMTRAX™?

KOMTRAX™, Komatsu's state of the art wireless monitoring system helps you to work more effectively. It delivers insightful and cost saving information about your fleet and equipment and offers you a wealth of information to facilitate peak machine performance. KOMTRAX™ gives you knowledge that saves you time and maximises your profits.

✓ **Full machine monitoring**
Get detailed operation and fuel consumption data to know when your machines are used and how poductive they are.

✓ **Total fleet management**
Keep track of the location of your machines at all times and discourage unapproved usage or theft.

✓ **Complete machine status**
Receive warnings, alerts and cautions, via a web site or by e-mail, to help with maintenance planning and for longer machine life.

...KOMTRAX™ does it all!

Fitted as standard on most Komatsu machines, KOMTRAX™ is an exclusive system that lets you monitor all the essential information about your Komatsu equipment directly on your computer.

In any country where KOMTRAX™ transmission is allowed, and when the system is activated on a machine, this data is downloaded regularly via satellite or mobile communication and can then be easily accessed through a generic web browser.

A variety of search parameters are available to precisely determine the status of your KOMTRAX™-equipped machines. You can track them in the field and optimise their output through increased efficiency and pro-active maintenance.

KOMTRAX™ is a tool that helps you manage your whole fleet of Komatsu machines easily and cost effectively.

Monthly status summary

Fuel consumption

✓ **Machine working time**

✓ **Machine efficiency**

✓ **Fuel consumption**

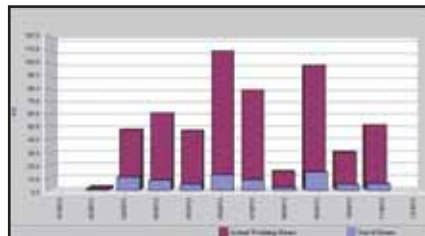✓ **Energy saving guidance**

Easy monitoring

To access your machine information, simply log on to the web-based application from any computer. KOMTRAX™ utilises a network of global positioning satellites and a map visual to tell you exactly where your machine is at all times. This will assist you with logistics, fuel deliveries and scheduled maintenance.

Accurate and timely data

KOMTRAX™ provides you with precise data: when an engine was started and shut down, total engine running time, service meter readings, and information about an eventual unauthorised machine use. A month by month summary gives a yearly overview of the engine's operating time, travel distances, load frequencies and operation modes. With this level of detail at your fingertips, you can better manage your machine's performance, improve its overall profitability and lower your operational costs.

Travel record

Load frequency

Operation mode

Increased efficiency

For construction machines, you can check the difference between total engine operating hours and the time spent on actual work. Idling engines become obvious, and you get a clear view on how efficient your machines really are in order to apply any required cost saving solutions. A chart lets you monitor monthly fuel usage and helps to schedule fuel deliveries and calculate total costs for a job site. For EU Stage IIIB/EPA Tier 4 interim engine machines, the frequency of the adjustable Eco-gauge and Energy Saving Guidance messages can be monitored closely to provide effective operator training.

Total Fleet Management

Fleet location

✓ **Fleet Summary**

✓ **Fleet location**

✓ **Protection from unauthorised use**

✓ **Operating area control**

✓ **Machine tracking during transport**

✓ **Machine movement alarm**

Complete fleet overview

The map function is used to monitor and organise your complete KOMTRAX™-equipped fleet. The machine list instantly gives you the location of all your machines, even if they are working in other European countries. KOMTRAX™ data can also be pulled into your existing management and office applications or downloaded directly into spreadsheet programs for further analysis… and to maximise your profits.
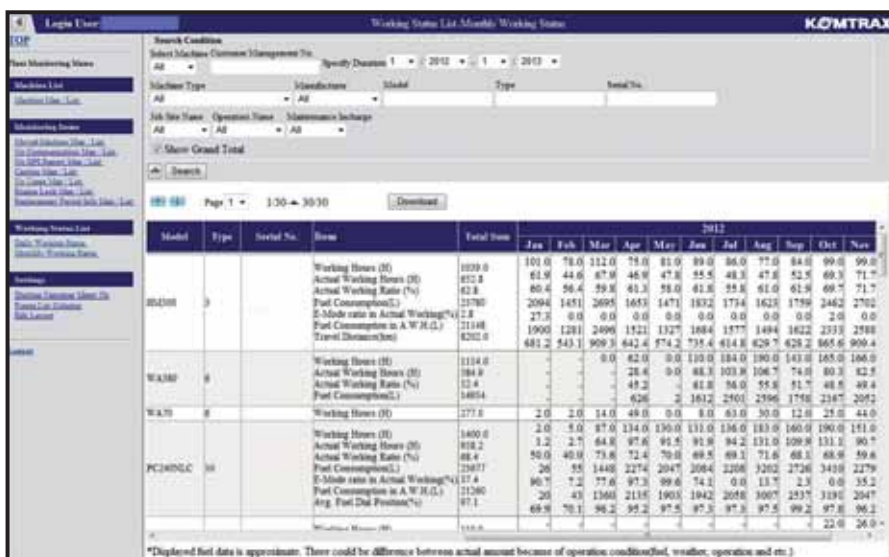

Machine tracking

The "moved machine" chart allows you to immediately see which of your machines are moving. It summarises all the travel alarms for your fleet and highlight any unexpected machine movement. When your machine is transported, KOMTRAX™ informs you of its progress by e mail or by sending travel messages to the web site, and confirms when it reaches its destination.

Security and control

KOMTRAX™ provides you with a number of security features like geo-fencing and engine lock to ensure that your equipment is only operated in a determined area and during designated days and times.

Email notification
You can also receive notifications of alarms directly by email.

Complete Machine Status

Each replacement of a maintenance item is recorded in the monitor panel, and that information is sent to KOMTRAX™. In KOMTRAX™, you can then view the complete maintenance history of your machine.
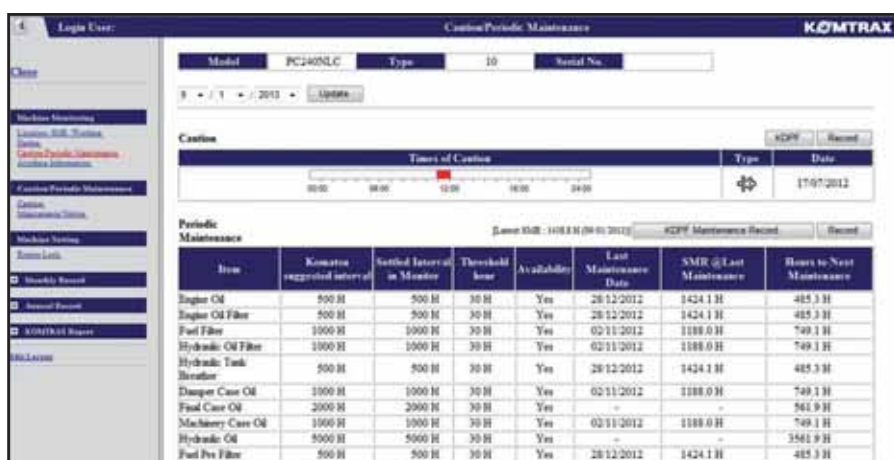
- ✓ **Cautions**
- ✓ **Maintenance planning**
- ✓ **Detailed KDPF monitoring**
- ✓ **Over-heating**
- ✓ **Email notification**

Pro active maintenance

KOMTRAX™ allows proactive and intelligent preventive maintenance for your machines. It helps to identify and address potential problems that might arise during routine service checks. This ensures parts availability for faster repairs and enhances machine availability.
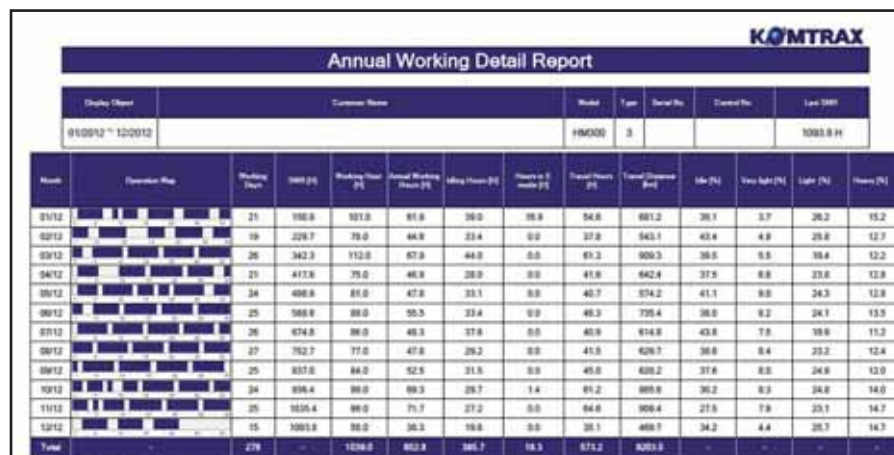
Cautions and warnings

The Komatsu Diesel Particle Filter installed on EU Stage IIIB machines provides information to KOMTRAX™ about the number of regeneration cycles and their duration. KOMTRAX™ monitors the temperature of the engine coolant and a warning is displayed if it exceeds a limit. This early information can protect your machine from expensive repairs. KOMTRAX™ also shows any caution displayed to the machine operator, along with the time it occurred and its duration.

Working conditions

Working conditions can be better monitored by knowing hydraulic pressure levels, machine loads, idle time, fuel consumption and E-mode hours. KOMTRAX™ offers convenient Monthly and Annual Working Detail Reports to monitor your machines performance. With KOMTRAX™, early warning signs of a potential overload - or under load - will help you determine if you are using the correct machine size for the task, and provide valuable information for operator training.

Email notification
You can also receive notifications of alarms directly by email.

More Value - Less Cost

Complete peace of mind

Komatsu CARE is a complimentary maintenance program for Komatsu customers that comes as standard on every new Komatsu EU Stage IIIB/EPA Tier 4 interim construction machine. A service contract option provides extended warranty coverage, assures continued factory-trained servicing of your machine and will lock in the cost of covered parts and labour for the extended warranty period. KOMTRAX™ monitors your Stage IIIB engine and filters to help you operate your new equipment at its highest efficiency and with complete confidence.

For nearly a century, Komatsu has proudly offered top quality products and a state-of-the-art parts and service program that supports equipment through an extensive network of dedicated distributors.

Today, KOMTRAX™ is the latest in machine monitoring technology, and it provides a wealth of information in a user friendly format to facilitate peak machine performance.

KOMTRAX™ can also represent a major cost advantage. It optimizes fleet management, allows pro active and preventive maintenance and helps to efficiently run a business. The resale value of equipment is increased, as owners gain easy access to an accurate history of their machine's life.

KOMTRAX™ provides information and it provides answers.

Feature	Group 1	2	3	4	5	6	7
Machine location	•	•	•	•	•	•	•
SMR	•	•	•	•	•	•	•
Caution message record		•	•	•	•	•	•
Maintenance planning		•	•	•	•	•	•
Maintenance record		•	•	•	•	•	•
Load information			•	•	•	•	•
Working record (Working hour)	•	•	•	•	•	•	•
Protection from unauthorised use (Engine lock)	•	•	•	•	•	•	•
Total fuel consumption				•	•	•	•
Fuel consumption during actual working hours							•
Machine efficiency (Actual working time)			•	•	•	•	•
Detailed Working Report (KOMTRAX™ Report)				•	•	•	•
Machine movement alarm	•	•	•	•	•	•	•
Operation mode record						•	•
Energy Saving Guidance Record							•
Travel record (graph with travel mode)							•
Diesel particulate filter information							•
Operating area control (Geo fencing)	•	•	•	•	•	•	•
Fleet location	•	•	•	•	•	•	•
Inactive machine list (No Usage)	•	•	•	•	•	•	•
E-mail notification	•	•	•	•	•	•	•

Group 1
CK20-1, CK25-1 / SK510-5, SK714-5, SK815-5, SK818-5, SK820-5, SK820-5E0, SK815-5E0
WA65-6, WA70-6, WA80-6, WA90-6, WA100M-6 / WB93R-5E0, WB93S-5E0, WB97R-5E0, WB97S-5E0 / PC14R-3, PC16R-3, PC16R-3HS

Group 2
PC14R-3HS, PC18MR-3, PC22MR-3, PC26MR-3, PC30MR-3, PC35MR-3, PC45MR-3, PC55MR-3 / HM350-2

Group 3
PC600-8, PC600LC-8

Group 4
HM300-2 / GD555-5, GD675-5 / HD325-7, HD405-7 / BR380JG-1E0, BR580JG-1
D37EX-22, D37PX-22, D51EX-22, D51PX-22, D61EX-15E0, D61PX-15E0, D85EX-15E0, D85PX-15E0, D275AX-5E0
WA150PZ-6*, WA200PZ-6, WA250PZ-6, WA320-6, WA320PZ-6, WA380-6, WA430-6E0, WA470LC-6, WA480LC-6, WA500-6
*No monthly actual working hour

Group 5
PW140-7, PW160-7E0, PW180-7E0, PW200-7E0, PW220-7E0

Group 6
D65EX-16, D65PX-16, D65WX-16, D155AX-6 / HB215LC-1 / PC78US-8, PC88MR-8, PC118MR-8
PC130-8, PC138US-8, PC160LC-8, PC190LC-8, PC190NLC-8, PC210-8, PC210LC-8, PC210MH-8, PC210NLC-8,
PC210NLCD-8, PC228USLC-8, PC230NHD-8, PC240HRD-8, PC240LC-8, PC240LCD-8, PC240NHRD-8, PC240NLC-8, PC240NLCD-8, PC290HRD-8,
PC290LC-8, PC290LCD-8, PC290NHRD-8, PC290NLC-8, PC290NLCD-8, PC350HRD-8, PC350LC-8, PC350LCD-8, PC350NHRD-8, PC350NLC-8, PC350NLCD-8,
PC450-8, PC450HRD-8, PC450LC-8, PC450LCD-8, PC450LCHD-8, PC700LC-8E0, PC800-8E0, PC800LC-8E0 / PW98MR-8, PW118MR-8, PW160-8, PW148-8

Group 7
HM300-3, HM400-3 / D37EX-23, D37PX-23, D61EX-23, D61PX-23, D65EX-17, D65PX-17, D65WX-17, D155AX-7 / WA380-7, WA470-7, WA500-7
PC138US-10, PC160LC-10, PC210-10, PC210LC-10, PC210LCD-10, PC240LC-10, PC240LCD-10, PC240NLC-10, PC240NLCD-10, PC290LC-10,
PC290LCD-10, PC290NLC-10, PC290NLCD-10, PC360LC-10, PC360LCD-10, PC360NLC-10, PC360NLCD-10, PC490-10, PC490LC-10, PC490LCD-10

The allocation of models to the groups is according to the functions we are currently selling. Previously sold models may be in other groups depending on their serial number.
For machines not included in this list please contact: komtrax.support@komatsu.eu

System (personal computer) requirements

HARDWARE
IBM PC/AT compatible
CPU: Intel Pentium 300 MHz or above (recommended)
Memory: 512 MB or above (recommended)
HDD: 1 GB usable hard disk space (recommended)
Display: 16-bit, 1024 × 768 or higher (recommended)

SOFTWARE
OS: Vista\Windows XP/Windows 2000
Browser: Internet Explorer 6.0 SP1 or above
Electronic authentication not required for customers. Required for distributors and Komatsu users.

NETWORK CONNECTION
Connection to Internet or Komatsu Intranet is required. Internet line speed of more than 1 Mbps is recommended, but not necessary, for smooth display of maps and other graphics.

Contact your local Komatsu Distributor for additional information.

Materials and specifications are subject to change without notice.
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