

# KOMATSU

# KOMTRAX

## KOMATSU WIRELESS MONITORING SYSTEM



# KOMTRAX

**KNOWLEDGE TO HELP YOU  
RUN YOUR BUSINESS**

# What is KOMTRAX?



**KOMTRAX**



*(\*) KOMTRAX cannot be installed on the PC09 and is optional on the PC14, PC16 and SK510.*

**Introduced in 2006, KOMTRAX is Komatsu's state of the art wireless monitoring system. It gives you an easy way to track your machines, monitor their performance and stay up to date about the status of your equipment. Knowledge gained from KOMTRAX saves you time and maximises your profits.**

- ✓ **100% Komatsu technology** – All KOMTRAX hardware and software solutions are designed and built by Komatsu.
- ✓ **Standard** – We strongly believe in the benefits of telematics: KOMTRAX is now factory-fitted on every new Komatsu machine. (\*)
- ✓ **Reliable & Durable** – Today, more than 500,000 machines worldwide are equipped with the proven KOMTRAX technology, and thousands of customers safely enjoy its advantages.

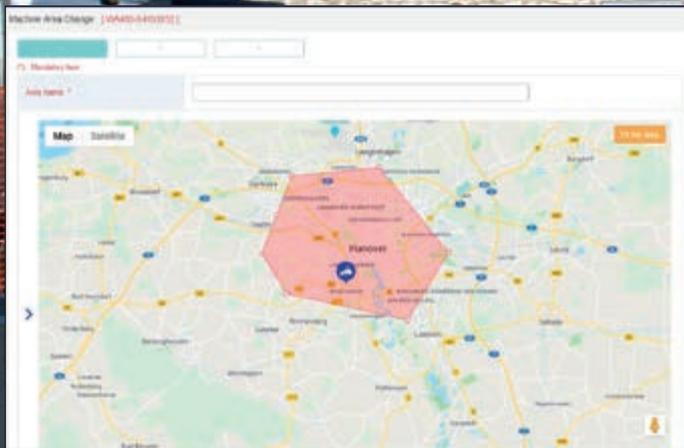


# Security

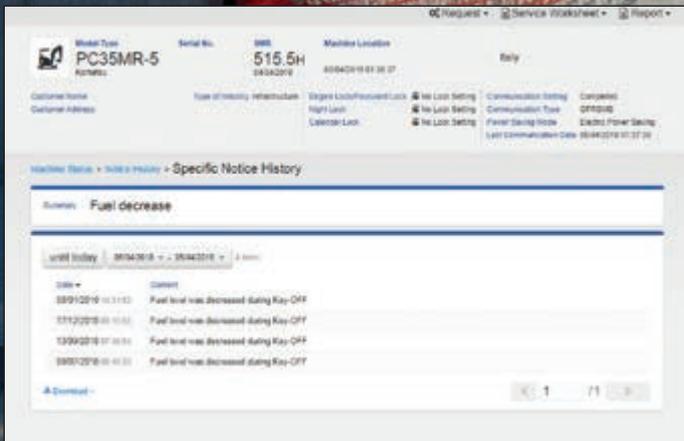
KOMTRAX



Simple and intuitive mapping



Geofencing function



Fuel theft notification

## Keep track of your equipment

KOMTRAX lets you accurately track and log the location and usage of your machines. Information is stored in the system for up to 16 months and it can be retrieved when you need it, providing useful info and answers.

- ✓ **Peace of Mind** – Receive notifications for any unusual location changes.
- ✓ **Engine Lock** – Prevents unauthorized usage.
- ✓ **Activate Geofence** – With this function, an alert is triggered if a machine works outside of a defined area.
- ✓ **Avoid fuel theft** – Starting with EU Stage IV machines, KOMTRAX includes a notification for abnormal fuel decrease when the engine is not running.



# Performance

KOMTRAX



Model Name: PC360LC-11  
Serial No.: 781.9H  
Machine Location: 0236201074142

Customer Name: [Redacted]  
Phone No.: [Redacted]  
Customer Address: [Redacted]  
Machine No.: [Redacted]

Type of Industry: Water/Waste  
Engine Coolant: No Cool (Setting)  
Fuel: No Cool (Setting)  
Calendar Lock: No Cool (Setting)

Communication Setting: No Cool (Setting)  
Communication Type: GPRS/GSM  
Power Saving Mode: Factory Preset (Setting)  
Last Communication Date: 2018/10/01 01:46:01

Machine Status: [Redacted] | Periodic Maintenance: [Redacted] | Working Summary: [Redacted] | After Treatment Device: [Redacted] | Attribute Information: [Redacted]

Working Hour History

Monthly | Daily | In2018 | In2019 | In2020

Date	Working Status	Working Hour (Actual)	Working Hour (Target)	Actual Working Hour (Total)	OT (Hours)	Hours (Total)	Hours (Target)	Hours (Remaining)	Amount of Fuel Consumed (Liters)
12/2019	[Progress Bar]	7	191	879	0.29	0.29	31	230.6	
02/2020	[Progress Bar]	17	183	6124	1.89	1.24	60	1477.0	
03/2020	[Progress Bar]	22	204	2234	2.94	2.94	60	195.0	
02/2020	[Progress Bar]	0	24	24	24	24	24	0.0	
11/2019	[Progress Bar]	1	30	216	0.0	0.0	0.0	2.0	
10/2019	[Progress Bar]	0	30	-	-	-	-	0.20	

Operation record

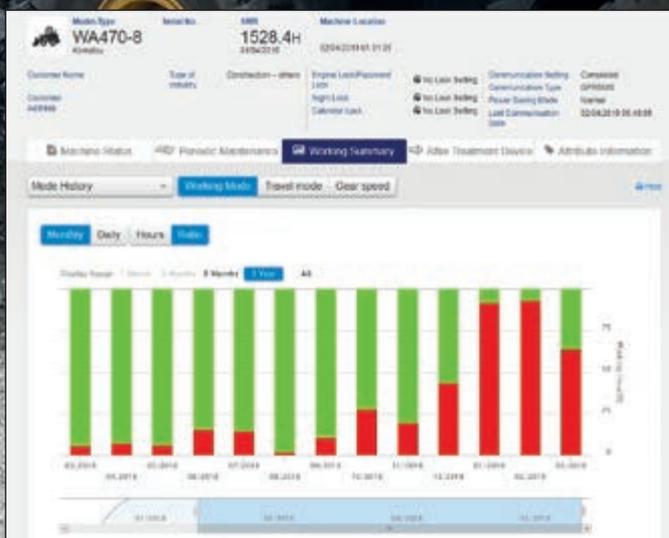


Configurable chart

## More efficient, more productive

KOMTRAX helps you maximise your fleet's performance. You can reduce your fuel consumption, monitor running hours, keep idling to a minimum, increase productivity - and make your business more profitable.

- ✓ **Operation record** – KOMTRAX contains detailed records for the most relevant KPI, from running hours to idle time, from fuel consumption to operating working mode.
- ✓ **Operator Identification** – Evaluate your operators' performance, to propose specific knowledge and skills training.
- ✓ **Performance optimisation** – Compare the performance of machines working in similar applications to identify opportunities to improve their efficiency.



Working mode record

# Health & Maintenance

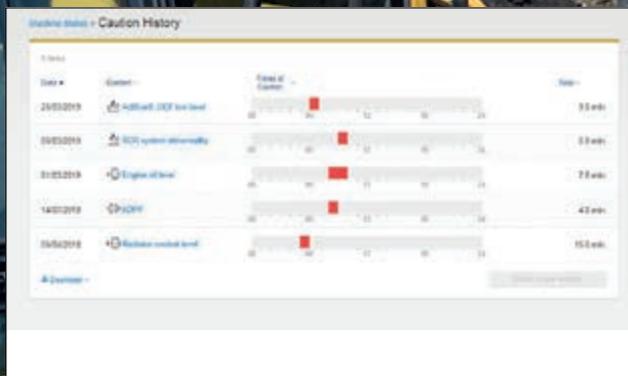


KOMTRAX

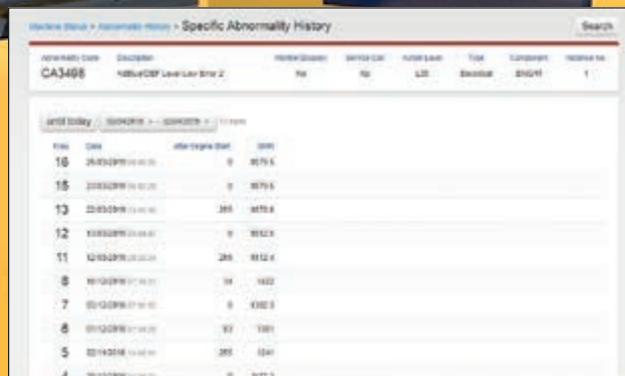
## Keep your equipment up and running

KOMTRAX gives you essential information about your machines' condition. Thanks to this data, Komatsu authorized dealers can provide a quick and accurate service, when you need it.

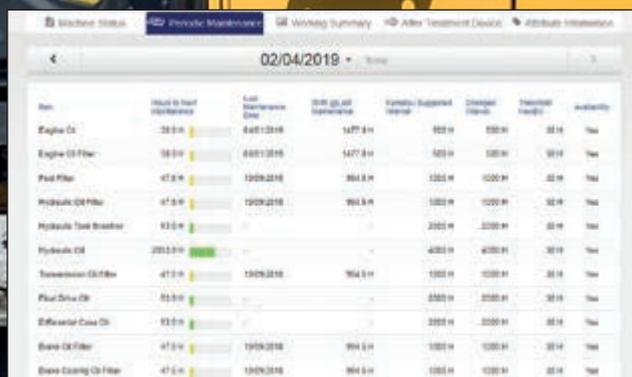
- ✓ **Fault codes** – Detect problems before it's too late.
- ✓ **Service record** – Never miss an oil or filter change and keep track of when maintenance was carried out.
- ✓ **Aftertreatment systems** – Monitor exhaust aftertreatment processes (DPF, AdBlue®, SCR) for total peace of mind.



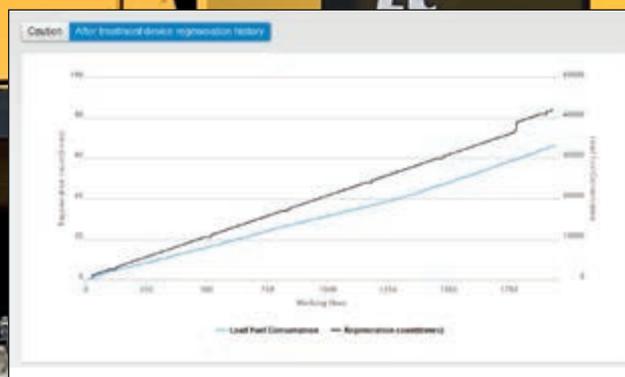
Caution record



Fault code record



Maintenance record



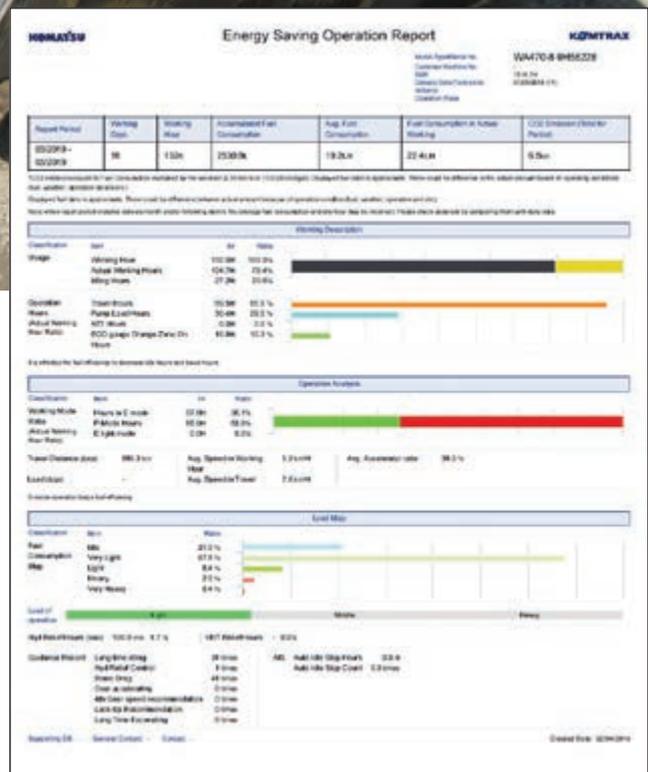
Aftertreatment monitoring: regeneration record

# The power of data



## Turn data into profit

- ✓ **Reporting** – The data in KOMTRAX reports can be turned into useful insights that help you make the right decisions for your business.
- ✓ **Benchmarking** – With KOMTRAX and its large data set, Komatsu can help you find out how your equipment compares to other machines in the field and offer advice and training to improve your fleet's performance.
- ✓ **Application Programming Interface (API)** – Integrate KOMTRAX data into your company's processes and systems with Komatsu data solutions. We can provide a range of APIs to support any data collection and processing need.



KOMTRAX energy saving report



Benchmarking report

## KOMTRAX Plus

# KOMTRAX Plus

**KOMTRAX Plus is an advanced remote monitoring system that applies to all new-generation Komatsu quarry and mining large machines including:**

**Haul trucks:** HD465, HD605, HD785, HD1500, 730E, 830E

**Excavators/shovels:** PC1250, PC2000, PC3000, PC4000, PC5500 and PC8000

**Wheel loaders:** WA600, WA800, WA900 and WA1200

**Dozers:** D375A and D475A

## Why KOMTRAX Plus?

KOMTRAX Plus continuously monitors your machine's settings, condition, fuel usage and performance along with operating practices. This comprehensive data set is designed to help prolong your quarry and mining machine's life, improve its efficiency and optimise production levels and costs.

## Key features & benefits

- ✓ **Accurate logs and data** – Know when your machine is actually working or merely idling, how well it is producing, and what payloads it delivers.
- ✓ **Reduced maintenance costs** – Any abnormal reading can be addressed preventively to avoid unscheduled downtime.
- ✓ **Safer operations** – Poor or incorrect operator practices (e.g. excessive speed) are highlighted, allowing to schedule additional trainings.
- ✓ **Lower operating costs** – You can fine-tune procedures for operations, site management and machine management.



