

APPLICABLE MACHINES

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MECHANICAL DUMP TRUCKS	HD465-8/8E0, HD605-8/8E0, HD785-7*, HD785-8/8E0/8R, HD1500-8 * retrofit kit is available					
ELECTRIC DUMP TRUCKS	730E-10, 830E-5, 930E-5, 980E-5					
EXCAVATORS	PC1250-11/11E0/11R, PC1250LC-11, PC2000-11/11E0/11R, PC3400-11M0, PC4000-11/11M0, PC7000-11M0					
WHEEL LOADERS	WA600-8/8E0, WA800-8, WA900-8/8E0/8R					
DOZERS	D375A-8/8E0, D375Ai-8, D475A-8/8E0					

APPLICATION FEATURES

	Fleet				Site Report			000000000
	Summary & Trend	Work Status	Payload	Event Map	Gradient Map	Road Roughness Map	Data Download	Sector States and Sector
MECHANICAL DUMP TRUCKS	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	√*	\checkmark	
ELECTRIC DUMP TRUCKS	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark		\checkmark	S TRUNON L AND
EXCAVATORS	\checkmark	\checkmark		\checkmark			\checkmark	ALC: NOT ALC
WHEEL LOADERS	\checkmark	\checkmark		\checkmark			\checkmark	6
DOZERS	\checkmark	\checkmark		\checkmark			\checkmark	
* Standard for HD 785-8/HD 1500-8, Optionsensor are required for HD465-8/605-8						8		

Contact your local Kirby-Smith Machinery Location for complete details.

www.kirby-smith.com

Toll Free: 888-861-0219

KOMATSU



K@MTRAX Plus

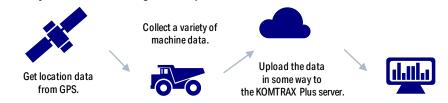




KOMTRAX Plus

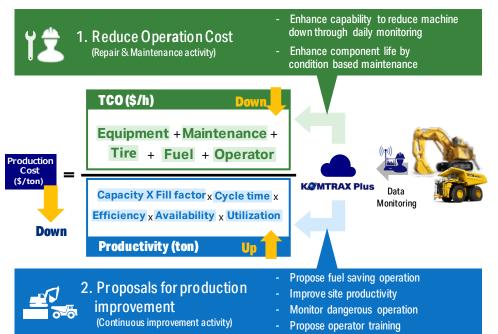
WHY USE KOMTRAX Plus?

KOMTRAX Plus is a management system for large machinery. The health and operating status of machines can be monitored from remote locations via satellite communication. This helps to prevent machine trouble and improve the efficiency of machine management operations.



IMPROVESAFETY/OPTIMIZE\$/ton

Komatsu will progress mining business with customer to reach the customer's goal: Safety Operation and \$/ton optimization.



NEW FUNCTIONS OF KOMTRAX Plus

The following functions have been added to KOMTRAX Plus new ver.

Controller	Detailed machine data with GPS is collected by 1sec		
Web application	 Raw data download as csv files from server Operation monitoring report for each machine Site report includes road condition *Only available for dump truck owners 		

CONTROLLER FEATURES

KOMTRAX Plus new ver. is capable of high-resolution data collection with GPS information. More detailed and realistic machine operations in site can be analyzed.

KOMTRAX Plus former data

Summarized machine data is collected by **20** hours of SMR to grasp long term trend for prediction of OV timing.

KOMTRAX Plus new data

Detailed machine data **with GPS** is collected by **1 sec** to analyze machine operation in site.

No.	Data Category	Communicate	Data	KOMTRAX Plus former data	KOMTRAX Plus new data
1		Satellite (Orbcomm / Iridium) or WLAN/wired(manual) download	Fault data	V	✓
2	KOMTRAX		Trend data	V	\checkmark
3	Plus former		Snapshot	V	~
4	data		Load map	V	~
5			Payload data	V	~
6	KOMTRAX	Satellite (Orbcomm / Iridium)	Location, SMR	V	~
7	Data		Daily operational data (Step5)		V
8	KOMTRAX Plus new data	WLAN or wired(manual) download	1 second logger data (including GPS)		~
9			Event data		~
10			Operation data for each cycle (only DT)		~

KOMTRAX Plus

To use the following applications, it is necessary to download machine data and upload it to the KOMTRAX Plus server. Please contact your local distributor for the access.

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EVENT 1

EVENT 2

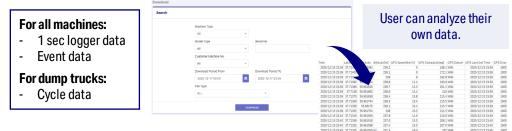
EVENT 3

EVENT 4

EVENT 5

1. RAW DATA DOWNLOAD

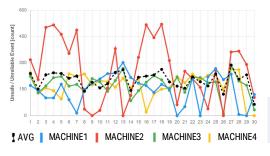
Once data is uploaded to KOMTRAX Plus server, user can download data within retention period* as csv files from the server. *For 3 months



2. WEB VIEWER

This is a web application that can monitor machine operation and mine road conditions.

Fleet Summary & Trend

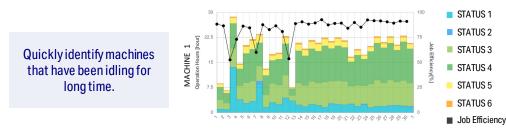


Operation result can be seen. User can check the productivity, working hours, fuel consumption, number of times unsafe/unreliable events occur, etc. with numerical value and trend graphs.

Easily identify machines with a prominent number of unsafe events.

Work Status

User can check the work efficiency by visualizing the work status of the machines.



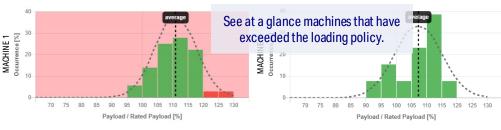
• Event Map

User can check event location for inadequate and unsafety operation. Dump truck owner can check its route on the map.

Visualize the locations in the site where overspeed occurs frequently.

Payload

User can check the loading operation meet the loading policy.



• Site Report

User can check the inclination and roughness of the site. KOMTRAX Plus new ver. Controller calculate road roughness by using suspension pressure data every second.

*Its only available for dump truck owner. **The road roughness map is only available for certain models.

