



ENAIKOON limit-checker

Threshold value monitoring for vehicles / construction equipment with alert function

ENAIKOON limit-checker is a software plugin that is integrated into inViu pro.

This software module provides comprehensive threshold value monitoring which now, in addition to the familiar and popular positioning functions, also includes an extensive overview of all service intervals and operating hours. Recurring and predefined appointments, as well as milage and hours of operation dependent events can be taken into consideration, thus monitoring your employees and business operations is easier to handle without investing any additional time.

With user-defined prewarning and main alert capabilities, the responsible employees are informed of upcoming tasks. If no action is taken after both alerts, the supervisor can be informed using the chief alert function, and further appropriate action may take place (i.e. cancel service or fluid replacement for the vehicle or construction equipment in question). All alerts are sent as e-mails by default and optionally can be sent as text messages, to the employee's mobile phone.

Scope of services

the following types of threshold values can be monitored:

- Monitoring of operating hours**
 For most construction equipment, vehicles, and individual machines, there are several measures that must be taken into account for planning of maintenance and servicing, including but not limited to, operating hours. ENAIKOON limit-checker makes it possible to easily monitor the hours of operation of your trackables to better execute maintenance schedules.
- Monitoring of mileage**
 Important maintenance procedures, such as changing the tyres or oil, are often dependent on the number of kilometres a vehicle has driven. The ENAIKOON limit-checker can monitor the total mileage of vehicles, thus making it easier to schedule service work or to know when to adjust the benefits of depreciation value.
- Monitoring of recurring events**
 As certain events, such as major inspections or exhaust-emission tests, always recur at regular intervals, simply monitor these events using the ENAIKOON limit-checker. Define a starting time, as well as the length of the interval between two target dates and you will be promptly notified by the system.
- Monitoring of unique events**
 Receive reminders of different one-time events that you can define yourself with a description and date (e.g. the end of contracts).

CAT construction machines, Mileage									
Actual mileage in km: 47,924.7 (1)									
Add	Delete	Trigger main alert at threshold (km)	Trigger main alert at threshold (km)	Pre-warning at threshold (km)	Comment on alert profile	Chief alert date	Main alert date	Pre-warning date	Chief main alert date
		20000	40000	17500	Total mileage				45
		40000	40000	37500	Total mileage	04/06/2012 15:12	04/06/2012 15:12	04/06/2012 15:12	47
		80000	40000	57500	Total mileage				48
		80000	80000	77500	Total mileage				49
		100000	100000	97500	Total mileage				49

CAT construction machines, Single event									
Actual date: 04/06/2012 15:16 (1)									
Add	Delete	Chief alert date	Main alert date	Pre-warning date	Comment on alert profile	Chief main alert date	Main alert date	Pre-warning date	Chief main alert date
		04/06/2012 09:14:30	04/06/2012 14:00:00	04/06/2012 10:00:00	Leasing contract No. 56552				

CAT construction machines, Operating hours, Digital input 4									
Actual operating hours - digital input 4: 845.1 (1)									
Add	Delete	Trigger main alert at threshold (hours)	Trigger main alert at threshold (hours)	Pre-warning at threshold (hours)	Comment on alert profile	Chief alert date	Main alert date	Pre-warning date	Chief main alert date
		1000	2000	650	operating hours				8
		2000	2000	1950	operating hours				8
		3000	3000	3950	operating hours				8
		4000	4000	3950	operating hours				8
		5000	5000	4950	operating hours				8
		6000	6000	5950	operating hours				8
		7000	7000	6950	operating hours	04/06/2012 15:12	04/06/2012 15:12	04/06/2012 15:12	8

Alerts

- sent to predefined e-mail addresses
- each alarm can be sent to up to five e-mail addresses

Alert levels

Pre-warning

Messages are sent to responsible parties, such as the driver, machine operator, or fleet manager

- at any custom-defined time
- with any time period before the occurrence of the event
- store and display action plans
- simplify timely planning of actions

Main alert

Notification of the event to responsible parties

- at the time of occurrence
- with information on the vehicle or construction equipment, reason for main alert, etc.
- notice of completion after the action plan is carried out

Chief alert

Third notification level if the alert is not identified as completed or deleted after a pre-warning and main alert

- at any predefined time and time period
- the possibility for supervisors or managers to monitor the correct handling of alerts

Threshold value types

There are four different types of threshold values in order to meet all requirements:

- **Operating hours**
the time of alert is dependent on reaching the defined hours of operation
- **Mileage**
the time of alert is dependent on reaching the defined mileage
- **Unique event**
- **Recurrent event**

Defining threshold values

Threshold values are the basis for all subsequent settings within ENAIKOON limit-checker. The following data must be entered:

- name of the threshold value definition
- threshold value
- comments (e.g. action plan)
- e-mail address for the chief alert
- e-mail addresses for pre-warning and main alert

Alert profiles

An alert profile is a collection of threshold values that can be combined into a group

- joint management of different threshold values and types in one alert profile
- assignment of the alert profile to vehicles or construction equipment
- simplification of the management of same vehicle types of construction equipment

Products and prices

Product	Part no.	Product description	Price
ENAIKOON limit-checker web service	ELC-10-48 ELC-10-24	Enhancement of inViu pro by ENAIKOON limit-checker minimum contractual duration: 48 months minimum contractual duration: 24 months	per vehicle per month € 4.90 € 6.90