

A JOHN DEERE COMPANY



**WIRTGEN GROUP**

# WITOS FleetView

Short instruction



**CLOSE TO OUR CUSTOMERS**



**WIRTGEN GROUP  
TELEMATICS AND  
ON-SITE  
SOLUTIONS**



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## Advantages

# WITOS FLEET VIEW IN DAY-TO-DAY LIFE

The **WITOS FleetView** telematics system supports processes for fleet and service management by systematically pre-processing, transmitting, visualising and evaluating machine and position data.

**WITOS FleetView** helps you keep perfect track of your machine fleet – anywhere, at any time. Benefit from knowing what your machines are currently doing, where they are doing it and in what operating mode!\*

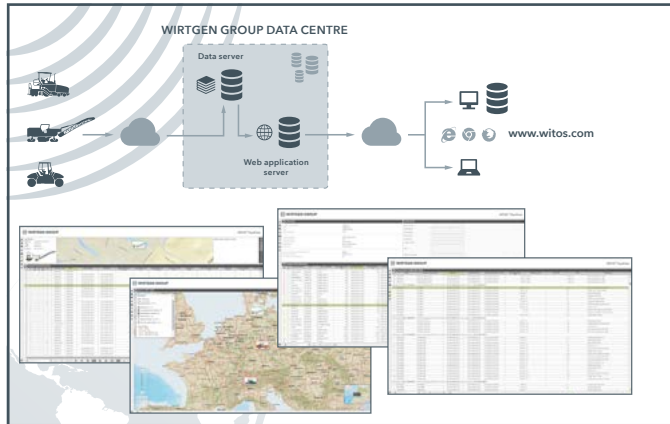
**WITOS FleetView** supports you in every area and does not make any compromises. Intuitive navigation gives you a quick and easy overview of the current operating mode of your fleet. You can also take a look back into the past of your machines, with a detailed and targeted analysis of their operational behaviour and usage patterns. The information required for this is structured in a clear and compact manner.



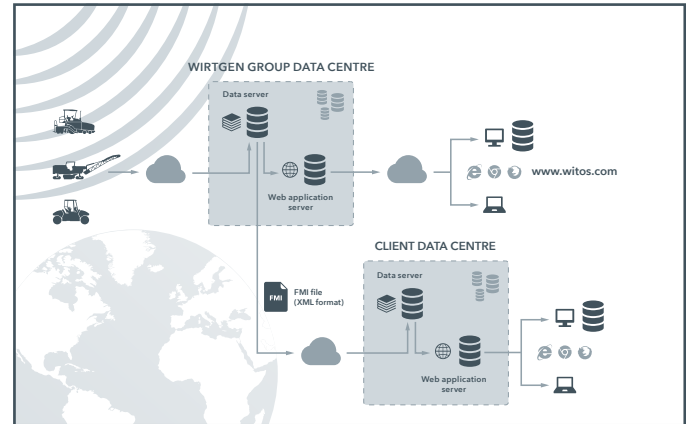
*\* The currentness of the data is dependent on mobile network coverage.*



The service portfolio of the **WITOS FleetView** module ranges from targeted monitoring of machines in your day-to-day operation to supporting maintenance and diagnostics processes. This keeps you informed of the location and operating mode of your machines, at any time and anywhere.



The **WITOS FMI** module provides you with the opportunity to export data from the **WITOS** system and to import it into other existing systems as a server-to-server solution. In doing so, the data corresponds to the internationally applicable AEMP standard.



Getting started

# REGISTRATION

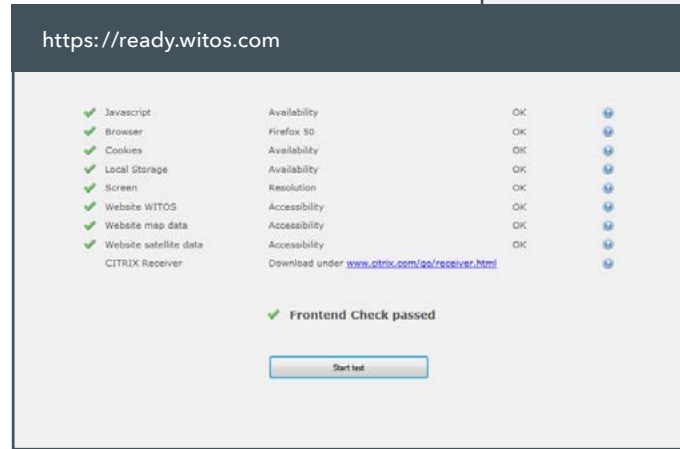
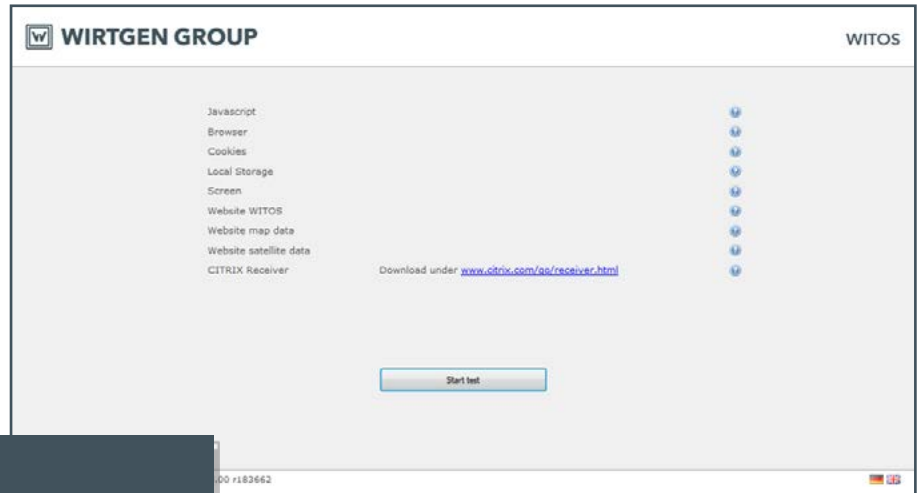


**WITOS FleetView** is a web application. Simply enter the address **www.witos.com** into the address line of your browser, and log in with your access data. You will receive this information directly from the administrator or your **WITOS** support team.



**WITOS FleetView** supports the most popular Windows browsers. All settings and configurations are saved locally in the cookies of your browser.

- > You can easily test whether your current system meets the requirements for the **WITOS FleetView** web application via the following link:



- > If the front-end check is successful, you can start using **WITOS FleetView** immediately. Detailed information on the system requirements can be found at the end of this brochure and in the front-end check.

# FLEET OVERVIEW

The fleet overview provides a compact overview of the current operating mode of your fleet. You can select one or several machines for more detailed views and analyses. Comprehensive filtering and sorting functions will help you to customise the overview to your requirements. Once customised and saved locally, this ensures that the information you want is always available to you at a glance.



*By **selecting machines** in the fleet overview, you can define which machines are displayed in the other windows of the navigation bar (1).*

The screenshot shows the WITOS FleetView application interface. It includes a navigation bar on the right (1) with options like Fleet, Map, Message, Monitoring, Maintenance, Operation data History, Message History, Maintenance History, Master data, and Exports. The main area features a map (2) showing machine locations, a table (3) of machine status data, and a detailed view of a selected machine (4) showing its master data. A callout (5) points to the map area where machines can be selected.

1. Navigation bar

2. Map

3. Machine status table

4. Machine master data

5. Map area

5 > You can access the various functions of **WITOS FleetView** using the **navigation bar** (1).

5 > The **Machines** direct view (2) shows you an excerpt from the master data of the selected machine, the last transmitted position on a mini map, cumulative operating modes for the machine and the last transmitted messages. You can access the **geo-position data** (5) with a click of the mouse on the machine's symbol on the mini map.

5 > Compactly displayed **machine statuses** (3) provide you with a fast overview of the machine: status for warning and fault messages, communication status, operating mode, monitoring status, due and

overdue maintenance, service agreement.

5 > The **table** (4) shows the last transmitted operation data and system data for your fleet, along with minimum, maximum and average values for the key operation data. The data displayed can be hidden or unhidden, as required.



**WIRTGEN GROUP** WITOS FleetView

**Fleet**

**Map**

**Message**

**Monitoring**

**Operation data history**

**Message history**

**Maintenance history**

**Master data**

**Exports**


**Feldtest**


Product: Large Hilling Machine

Type: W 210

S/N: 15201002

Contact:





1000ft

Work state of last 4 weeks

11/29/2016 / 09:35

Code: [08-1081-105]

traction drive tension right side out of range

**Machines (11/11/111)**

Customer	dest	S/N	Type / appendix	Last Message	Engine RPM (1) D [1/min]	Load Factor P1 D [%]	Engine RPM (2) D [1/min]
Feldtest	15201002	W 210		10/07/2016 11:24			
Feldtest	10WR1302	WR 240 ADM		10/04/2016 13:39	1,032	12.0	
Feldtest	11822991	SUPER 1800-2		10/07/2016 09:17			
Feldtest	08740001	SUPER 3000-2		10/06/2016 08:05			
Feldtest	07030002	W 33 R		09/30/2016 13:06			
Feldtest	1478042	14820612	SUPER 1800-S	10/04/2016 11:27			
Feldtest	42280007	42280007	GV+ T8 VT-S	10/01/2016 11:27			
Feldtest	12050008	W 30 H		10/01/2016 11:27			
Feldtest	18100297	W 100 CH		10/01/2016 11:27			
Feldtest	18100299	W 130 CH		10/01/2016 11:27			
Feldtest	19200004	19200004	W 113 F	10/01/2016 11:27			

**Last Message**

11/29/2016 / 09:35

Code: [08-1081-105]

traction drive tension right side out of range

**Geo position (latitude longitude)**



Degree / minute / second 49°18'12.6047880" 10°10'6.1277880"

Degree / minute 49°18.2100798' 10°10.1021298'

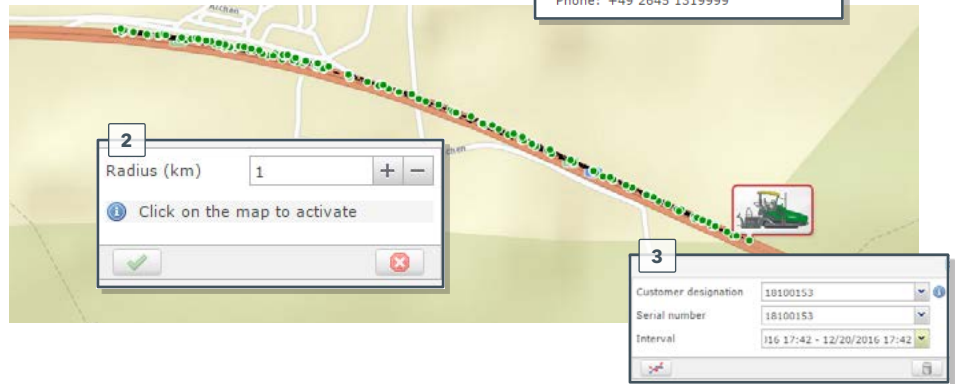
Degree 49.3035013 10.1683688

## MAP VIEW

The map view shows the current location of the machines in your fleet. The coloured border provides an initial indication of the current operating mode of the machines. This shows you at a glance whether there are faults, whether maintenance is due or whether an alarm has been triggered during monitoring.

- > In the **message window** (1) you can obtain information regarding operation, communication, monitoring, maintenance and message statuses and regarding any possible existing service agreements.
- > The **radius search**  (2) lets you identify and select machines in an area that you define.
- > The **machine path function**  (3) (**machine path**) allows you to follow the route taken by a machine for a freely definable time period.

- > The green points on the machine path indicate that the machine was turned on. The red and yellow triangles on the machine path indicate the machine's movement messages when turned off. Red represents the cyclical movement message (named shock report), and yellow represents the last movement message (named wake-up report).



**WIRTGEN GROUP** WITOS FleetView

Map (11 / 11 / 11)

**Demo machine**

S/N: 08740001  
Type: SUPER 3000-2  
Operating hours: 2,984 h

Workstate: Off  
Communication status: Off  
Surveillance status: Off  
Information: Service overdue  
Report status: No error  
Service agreement: None

**Contact info**  
Name: Mustermann  
First name: Max  
Email: support@witos.com  
Phone: +49 2645 1319999

**Radius (km)** 1 Click on the map to activate

**Customer designation** 18100153  
**Serial number** 18100153  
**Interval** 126 17:42 - 12/04/2016 17:42

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WITOS FleetView application

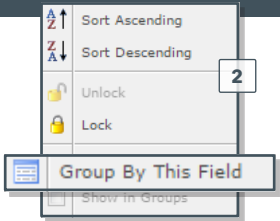
# MESSAGES

This section shows all the active messages of the machines that you have selected in the fleet overview.

- > The **report status** (1) is divided into four categories:



*All data records displayed can be grouped according to column contents (2). Messages, for example, can be grouped according to machine or error code.*



## Remarks

show non-critical states of the machine system that must be taken into account when operating the machine.

## Alarms

represent an abnormal machine state and an impending critical state, allowing you to specifically monitor it and avoid subsequent damage to the machine.

## Faults

indicate critical machine states that require the machine to be stopped immediately.

## Messages

The messages from the machine's diesel engine are also displayed without colour coding.

This allows the expected effect on the machine's operation to be rapidly determined.



W

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Fleet

Map

Message

Monitoring

Maintenance

Operation data

Message History

Maintenance History

Master data

Exports

Message (1299/1299/1299)

S/N	Reported	Reported until	WDSAG Metadata Version	Operating hours (h)	Notification No.	SFM FMS	Code	Notification
11110236	09/10/2015 09:40	09/10/2015 09:47	VO_1111_00-07-00	49.9	267		[04-90-01]	Fuel tanks: minimum level < 15%
11110236	04/10/2015 09:51	09/10/2015 09:47	VO_1111_00-07-00	0.0		111-1		Diesel engine 1
08200017	09/10/2015 14:11	10/09/2015 14:12	VO_0801_00-01-01	3,541.6		830-2		Diesel engine 1
00190016	11/10/2015 15:33	11/10/2015 15:35	VO_0019_00-00-05	1,370.2	265		[04-90-01]	Fuel tanks: minimum level < 15%
07610060	08/10/2015 12:12	10/10/2015 15:07	VO_0761_00-02-01	1,175.7		524022-14		Diesel engine 1
08190440	01/10/2016 18:33	01/10/2016 07:09	VO_0819_00-00-02	1,530.9	189		[06-1093-102]	safety cut-out for screen heating tripped
14200188	02/04/2016 15:13	02/04/2016 15:18	WL_1320_02-03-00	779.7	91325		1-913-15	Warning: Milling drum flap
06220099	05/03/2016 13:21	05/03/2016 14:15	WL_1320_02-03-00	22.4	71342		1-713-42	Engine 2 Fault: Fuel pressure line (50%:157)
06220099	05/03/2016 13:32	05/03/2016 14:15	WL_1320_02-03-00	22.4	71342		1-713-42	Engine 1 Fault: Fuel pressure line (50%:157)
06220099	05/03/2016 13:37	05/03/2016 14:15	WL_1320_02-03-00	22.4	11337		1-113-37	Fuse fault #27
14200176	05/10/2016 22:41	05/10/2016 23:42	WL_1320_02-03-00	118.0	91325		1-913-15	Warning: Milling drum flap
08830681	03/01/2016 10:39	05/16/2016 09:45	VO_1162_00-01-02	3,172.6	128		[04-90-01]	Fuel tanks: minimum level
06220068	06/07/2016 12:03	06/07/2016 12:08	WL_TCU1_01-01-00	0.5	1		1	WDSAG diagnostic session active
07610051	06/22/2016 06:23	06/23/2016 14:14	VO_0761_00-02-00	694.3	620		[04-2071-15]	Diesel Particulate Filter regeneration needed - lowest level
04220010	07/04/2016 22:54	07/04/2016 23:20	WL_1320_02-03-00	0.0	91325		1-913-15	Warning: Milling drum flap
15010055	04/18/2016 23:21	04/20/2016 04:19	WL_1320_02-03-00	244.6	83128		1-831-28	Calibration fault: Rear right stroke cylinder
15010055	04/18/2016 23:21	04/20/2016 04:19	WL_1320_02-03-00	244.6	83127		1-831-27	Calibration fault: Rear left stroke cylinder
15010055	04/18/2016 23:21	04/20/2016 04:19	WL_1320_02-03-00	244.6	83126		1-831-26	Calibration fault: Front right stroke cylinder
15010055	04/18/2016 23:21	04/20/2016 04:19	WL_1320_02-03-00	244.6	83125		1-831-25	Calibration fault: Front left stroke cylinder
15010055	04/18/2016 23:21	04/20/2016 04:19	WL_1320_02-03-00	244.6	83124		1-831-24	Calibration fault: Rear right side plate cylinder
15010055	04/18/2016 23:21	04/20/2016 04:19	WL_1320_02-03-00	244.6	83123		1-831-23	Calibration fault: Rear left side plate cylinder
15010055	04/18/2016 23:21	04/20/2016 04:19	WL_1320_02-03-00	244.6	83122		1-831-22	Calibration fault: Rear left side plate cylinder
15010055	04/18/2016 23:21	04/20/2016 04:19	WL_1320_02-03-00	244.6	83121		1-831-21	Calibration fault: Left front side plate cylinder
07610003	08/01/2016 10:36	08/01/2016 11:01	VO_0761_00-04-00	724.7	176		[10-1503-102]	temperature sensor slewing belt conveyor failed
07610003	08/01/2016 10:36	08/01/2016 11:01	VO_0761_00-04-00	724.7	176		[10-1503-102]	sensor pitch slewing belt conveyor failed
07610003	08/01/2016 10:36	08/01/2016 11:01	VO_0761_00-04-00	724.7	176		[10-1503-103]	position slewing belt conveyor sensor failure
07610003	08/01/2016 10:36	08/01/2016 11:01	VO_0761_00-04-00	724.7	264		[10-1521-103]	distance measurement telescopic cylinder slewing belt conveyor right hand
07610003	04/10/2016 17:36	06/01/2016 11:01	VO_0761_00-04-00	722.0	265		[04-90-01]	Fuel tanks: minimum level
07610003	06/01/2016 09:51	06/01/2016 11:01	VO_0761_00-04-00	724.7	620		[04-2071-15]	Diesel Particulate Filter regeneration needed - lowest level
08190002	08/10/2016 08:02	08/10/2016 08:04	VO_0819_00-00-07	0.0	132		[06-1074-108]	Manual Mode for Tractor Activated
08190002	08/10/2016 08:02	08/10/2016 08:04	VO_0819_00-00-07	0.0	132		[06-1004-102]	emergency push-button pressed
08190002	08/10/2016 08:02	08/10/2016 08:04	VO_0819_00-00-07	0.0	139		[02-1032-11]	error joystick traction main switch channel 1 (CAN)
08190002	08/10/2016 08:02	08/10/2016 08:04	VO_0819_00-00-07	0.0	140		[02-1033-11]	error joystick traction main switch channel2 (C2)
08190002	08/10/2016 08:02	08/10/2016 08:04	VO_0819_00-00-07	0.0	142		[02-1039-11]	error joystick steering channel 1 (CAN)
08190002	08/10/2016 08:02	08/10/2016 08:04	VO_0819_00-00-07	0.0	143		[02-1039-11]	error joystick steering channel2 (C2)
08190002	08/10/2016 08:02	08/10/2016 08:04	VO_0819_00-00-07	0.0	144		[02-1037-109]	joystick steering synchronization error
08190002	08/10/2016 08:02	08/10/2016 08:04	VO_0819_00-00-07	0.0	265		[04-90-01]	Fuel tanks: minimum level < 15%
08190002	08/10/2016 08:02	08/10/2016 08:04	VO_0819_00-00-07	0.0	266		[04-1018-102]	Fuel level sensor failed

Aggry Filter

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WITOS FleetView

Sort Ascending

Sort Descending

Unlock

Lock

Group By This Field

Show in Groups



# WITOS FleetView application

## MONITORING



The **monitoring activation** (1) lets you define when and where your machines are permitted to operate. By activating monitoring protection, you will receive immediate notification of unauthorised access. As well as display in the portal, a message can also be sent to an e-mail address of your choice.



By holding down the Ctrl key at the same time, you can **select multiple machines** (3) and configure settings for the selected fleet. Settings can be **edited** using the  button. If a monitoring alarm has been triggered, you can use the  button to reset it.

### Area monitoring (geofences)

- > As soon as the machine moves outside of the permitted host area, it is indicated on the system and a notification is sent.

### Timed monitoring (curfew)

- > If the machine is turned on outside of the pre-determined working hours, it is indicated on the system and a notification is sent.

### Movement monitoring

- > If the machine is moved when turned off, it is indicated on the system and a notification is sent.

### Fault/alarm message monitoring

- > Where there are fault or alarm messages, they are indicated on the system and a notification is sent.

### Maintenance message

- > Should a machine reach its defined maintenance window, this will be indicated on the system and a notification sent. A further notification shall occur if the machine's operational hours exceed the time stipulated for maintenance. You are able to customise the time for maintenance notification here. Should a longer lead time be required for planning maintenance, the period prior to the maintenance due can be set from the standard 50 hrs to e.g. 70 hrs.

The **monitoring configuration** (2) lets you define the radius of the geofences and the working times (from which the monitoring times are derived). The maintenance window for notification of pending maintenance is set on the monitoring activation page.



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**Monitoring configuration**

Customer designation: Feldtest S/N: 15201002 Email: [redacted]

Status: Off Alarm: [redacted] Email: [redacted]

Monitoring Geo-fence: Off

Monitoring curfew: Off

Monitoring shock sensor: Off

Monitoring alarm notifications: Off

Monitoring fault notifications: Off

Pending Service (OH): Off

Overdue Service (OH): Off

**Machines (15/11/15)**

Customer designation	S/N	Id	Notice (OH)	Monitoring
Feldtest	15201002	DE	50	Off
#7517618 HD	11822951	DE	50	Off
Demo machine	09740001	DE	50	Off
Feldtest	07030002	DE	50	Off
#1478942	14820612	US	50	Off
H2250007	H2250007	DE	50	Off
Feldtest	13050088	BN	50	On
Vorfuhrmaschine	18100297	DE	50	Off
Vorfuhrmaschine	18100299	DE	50	Off
19200004	19200004	DE	50	Off

**Monitoring activation**

Customer designation: 18100153 S/N: 18100153

Radius: 50.0 + - km

Work day start: 07:00 hh:mm Work day end: 17:00 hh:mm ☒ No work day

Sunday: 07:00 + - hh:mm 17:00 + - hh:mm ☐ No work day

Monday: 07:00

Tuesday: 07:00

Wednesday: 07:00

Thursday: 07:00

Friday: 07:00

Saturday: 07:00

**Monitoring configuration**

Customer designation: Feldtest S/N: 15201002 Email: [redacted]

Status: Off Alarm: [redacted] Email: max.muster@wirtgen-group.com

Monitoring Geo-fence: Off

Monitoring curfew: Off

Monitoring shock sensor: Off

Monitoring alarm notifications: Off

Monitoring fault notifications: Off

Pending Service (OH): Off

Overdue Service (OH): Off

max.muster@wirtgen-group.com

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Apply filter

248

# WITOS FleetView application

## MAINTENANCE

The maintenance overview provides comprehensive information about upcoming maintenance dates for your machinery.

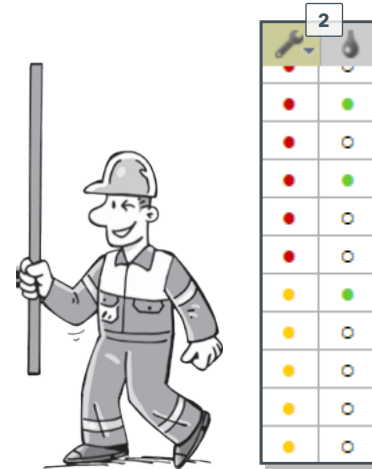
The **maintenance status for a machine** (1) shows the type and schedule of the previous maintenance work and all information on upcoming maintenance work for one or more machines.

The overview of the **machine fleet** (2) provides an overview of the maintenance status of your entire machine fleet. When maintenance

has been carried out, this can be filed via the input fields (3) on the system. The system calculates subsequent scheduled maintenance using the data entered.

The status is indicated by the symbols

- ☐ no maintenance required,
- ☐ maintenance due and
- ☐ maintenance overdue.



1

**In maintenance status**

Customer designation	Verführmaschine
S/N	10100297
Type	W 100 CFI
Operating hours	120 h
Last maintenance	07/28/2016 13:31
Last maintenance at	46 h
Last maintenance type	50h-Service
Executed by	Service Center
Entered by	wihersgens
Next maintenance at the latest (OH)	500
Maintenance type (OH)	500h-Service
OH until next maintenance	380

3

**Create maintenance**

Maintenance type	500h-Service
Executed on	
Maintenance at	
Executed by	
Entered by	wihersgens
Order number	
Info	
Next maintenance type	500h-Service



**Maintenance** can be entered in any order. Maintenance that is not entered can be subsequently entered at any time to enable a complete maintenance history.

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WITOS FleetView

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**Fleet**

### 1 Maintenance status

Machine designation	Vorfühmaschine
S/N	18104297
Type	W 100 CR
Operating hours	120 h
Last maintenance:	07/28/2016 13:31
Last maintenance at:	46 h
Last maintenance type	500-Service
Executed by	Service Center wirtsengens
Entered by	
Next maintenance at the latest (OH)	500
Maintenance type (OH)	500h-Service
OH until next maintenance	380

### Create maintenance

Maintenance type	
Executed on	
Maintenance at	
Executed by	
Entered by	
Order number	
Info	
Next maintenance type	


**Machines (11/13/11)**

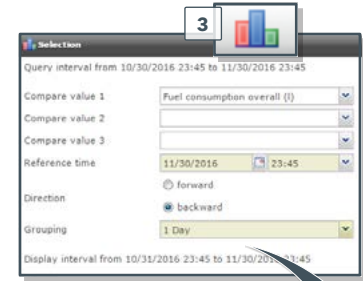
Customer design	S/N	Type / appendix	Operating hours [h]	Last maintenance [h]	Last maintenance at Last maintenance [h]	Executed by	Entered by	Next maintenance at Maintenance type (OH until next maint.)
Demo machine	08740001	SUPER 3000-S	1.976	05/04/2015 15:31	150	500h-Service	Jörnallus	500 1200h-Service -3.976
Falbest	15201002	W 210	1.876	11/11/2014 06:55	978	1000h-Service	Rapertursteilung	1.478 500h-Service -400
Falbest	07030002	W 35 R	364					30 500h-Service -314
Falbest	1470042	14830412 SUPER 1800-S	437	08/03/2016 20:10	4	500-Service	Carle	500 500h-Service -137
Falbest	13070008	W 30 H						
Falbest	13200004	W 215 P	45					
Falbest	106R1102	WR 240 A5H	1.559	08/25/2014 07:06	512	500h-Service	A.Bruder/W.Lehmann	1.000 500h-Service -559
H2250007	H2250007	Dive 70 VT-S	439					500 500h-Service 61
Vorfühmaschine	18100297	W 100 CR	120	07/28/2016 13:31	46	500-Service	Service Center wirtsengens	500 500h-Service 180
Vorfühmaschine	18100298	W 130 CR	114	08/04/2016 15:25	85	500-Service	Service Center Rep.	500 500h-Service 304

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## OPERATION DATA HISTORY

The **operation data history** selection window (2) lets you choose between a calendar-based or operational hours-based view.

You can change the selected observation period at any time using the  button.



*In addition to the export in CSV format, you can also use the **PDF export** (5) to create standard reports!*

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WITOS FleetView

1

Operation data History (136/136/136)

Customer data	S/N	Product	Notification type	Distance [miles]	Fuel rate [gal/h]	Fuel consumption overall [gal]	Engine RPM (1/h) [1/min]	Operating hours [%]
[G] Grouped by S/N "07030002" / Number of data entries: 1 / First occurred on: 10/07/2010 13:08 / Last occurred on: 10/07/2010 13:08								
Fueltest	07030002	Small Mill	Wake up					264
[G] Grouped by S/N "100W1002" / Number of data entries: 3 / First occurred on: 10/06/2016 15:34 / Last occurred on: 10/06/2016 15:39								
Fueltest	100W1002	Cold Recycl	Ignition on	624.9	3.8	1.499		1.559
Fueltest	100W1002	Cold Recycl	Cyclic refuication	625.0	3.4	1.499	1.003	1.559
Fueltest	100W1002	Cold Recycl	Ignition off	625.0	2.4	1.499	1.032	1.559
[G] Grouped by S/N "11822991" / Number of data entries: 1 / First occurred on: 10/07/2016 09:17 / Last occurred on: 10/07/2016 09:17								
#317616 HD	11822991	Tracked Pa	Wake up					3.071
[G] Grouped by S/N "14820812" / Number of data entries: 4 / First occurred on: 10/06/2016 17:26 / Last occurred on: 10/06/2016 22:02								
1478942	14820812	Tracked Pa	Shock					429
1478942	14820812	Tracked Pa	Shock					429
1478942	14820812	Tracked Pa	Shock					429
1478942	14820812	Tracked Pa	Shock					429
[G] Grouped by S/N "15201002" / Number of data entries: 10 / First occurred on: 10/06/2016 16:04 / Last occurred on: 10/07/2016 13:25								
Fueltest	15201002	Large Mill	Shock					1.876
Fueltest	15201002	Large Mill	Shock					1.876
Fueltest	15201002	Large Mill	Wake up					1.876
Fueltest	15201002	Large Mill	Shock					1.876
Fueltest	15201002	Large Mill	Wake up					1.876
Fueltest	15201002	Large Mill	Ignition on					1.876
Fueltest	15201002	Large Mill	Ignition off					1.876
Fueltest	15201002	Large Mill	Ignition off					1.876
Fueltest	15201002	Large Mill	Shock					1.876
Fueltest	15201002	Large Mill	Wake up					1.876
[G] Grouped by S/N "18100297" / Number of data entries: 119 / First occurred on: 10/06/2016 13:59 / Last occurred on: 10/07/2016 13:40								
Vorführmas.	18100297	Small Mill	Cyclic refuication	51.6	0.0	384	0	111
Vorführmas.	18100297	Small Mill	Cyclic refuication	51.6	0.0	384	0	111
Vorführmas.	18100297	Small Mill	Cyclic refuication	51.8	3.2	294	3.528	111
Vorführmas.	18100297	Small Mill	Cyclic refuication	51.8	4.3	384	3.514	111
Vorführmas.	18100297	Small Mill	Cyclic refuication	51.8	12.4	205	5.095	112
Vorführmas.	18100297	Small Mill	Cyclic refuication	51.9	2.3	305	1.417	112
Vorführmas.	18100297	Small Mill	Cyclic refuication	51.9	1.4	305	1.000	112
Vorführmas.	18100297	Small Mill	Cyclic refuication	52.0	4.8	305	1.428	112
Vorführmas.	18100297	Small Mill	Cyclic refuication	52.0	4.7	386	1.385	112
Vorführmas.	18100297	Small Mill	Cyclic refuication	52.1	2.0	386	5.250	112
Vorführmas.	18100297	Small Mill	Cyclic refuication	52.1	4.1	386	5.038	112
Vorführmas.	18100297	Small Mill	Cyclic refuication	52.4	6.2	387	5.728	112
Vorführmas.	18100297	Small Mill	Cyclic refuication	52.5	3.2	387	5.621	112

2

Selection

☒ Calendar
 ☐ Operating hours

Reference time
 

12/21/2016 08:11

Direction
 

☐ forward
 ☒ backward

Range of time
 

1 + - Month(s)

☒
☒

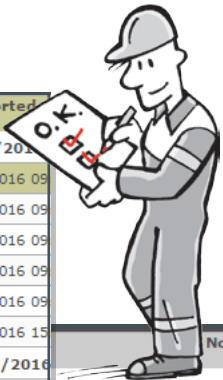
# MESSAGE HISTORY

**All current and past messages from the machine at a glance:** see a summary of past messages, and decide how far back you want to go.

Clear message categorisation and documented display/deactivation times enable you to draw significant conclusions regarding the machine's service status.



*All messages are displayed and described exactly as they are on the machine.*



Customer designation	Reported
1 of messages: 6 / First occurred on: 08/29/2016	
machine	08/29/2016 09
machine	08/29/2016 09
machine	08/29/2016 09
machine	08/29/2016 09
machine	08/29/2016 09
machine	09/28/2016 15
Number of messages: 6 / First occurred on: 09/29/2016	
est	09/29/2016 08
est	09/29/2016 10
est	10/03/2016 07
est	10/03/2016 08
est	10/03/2016 08
est	10/03/2016 08
Notification	
	fuel tank: minimum level
	fuel tank: minimum level
	fuel tank: minimum level
	fuel tank: minimum level
	fuel tank: minimum level
[04-96-01]	fuel tank: minimum level
[06-1004-102]	emergency push-button pressed
1-925-36	Remarks Empty pipe detection (EPD)
1-925-36	Remarks Empty pipe detection (EPD)
1-925-36	Remarks Empty pipe detection (EPD)
1-713-12	Engine fault 11939 SRN / FM

2



WITOS FleetView

**Fleet**

**Map**

**Message**

**Monitoring**

**Maintenance**

**Operation data**

**Message History**

**Maintenance History**

**Master data**

**Exports**

**Message History (40/40/40)**

S/N	Customer designation	Reported	Reported until	WDSAG Metadata Version	Operating hours	Notification No.	SFN-FMS	Code	Notification
<b>Grouped by S/N "08740001" / Number of messages: 6 / First occurred on: 08/29/2016 09:23 / Last occurred on: 09/28/2016 15:18</b>									
08740001	Demo machine	08/29/2016 09:23	10/06/2016 09:04	WL_0874_00-00-00	3,075.0	263		[04-96-01]	Fuel tank: minimum level
08740001	Demo machine	08/29/2016 09:23	10/06/2016 09:04	WL_0874_00-00-00	3,075.0	263		[04-96-01]	Fuel tank: minimum level
08740001	Demo machine	08/29/2016 09:24	10/06/2016 15:24	WL_0874_00-00-00	3,075.0	263		[04-96-01]	Fuel tank: minimum level
08740001	Demo machine	08/29/2016 09:24	09/28/2016 10:27	WL_0874_00-00-00	3,075.0	263		[04-96-01]	Fuel tank: minimum level
08740001	Demo machine	08/29/2016 09:27	09/28/2016 10:19	WL_0874_00-00-00	3,075.0	263		[04-96-01]	Fuel tank: minimum level
08740001	Demo machine	09/28/2016 10:18	09/28/2016 10:19	WL_0874_00-00-00	3,075.0	133		[08-1004-102]	Emergency push-button pressed
<b>Grouped by S/N "10WR1002" / Number of messages: 6 / First occurred on: 09/29/2016 08:03 / Last occurred on: 10/03/2016 14:49</b>									
10WR1002	Feldtest	09/29/2016 08:03	09/29/2016 08:08	WL_07WR_01-02-00	1,933.3	92356		1-925-36	Remarks Empty pipe detection (EPD)
10WR1002	Feldtest	09/29/2016 10:11	09/29/2016 10:14	WL_07WR_01-02-00	1,933.4	92356		1-925-36	Remarks Empty pipe detection (EPD)
10WR1002	Feldtest	10/03/2016 07:38	10/03/2016 07:38	WL_07WR_01-02-00	1,933.4	92356		1-925-36	Remarks Empty pipe detection (EPD)
10WR1002	Feldtest	10/03/2016 08:00	10/03/2016 08:03	WL_07WR_01-02-00	1,933.9	71112		1-713-12	Engine fault 31038 RPM / FMS
10WR1002	Feldtest	10/03/2016 08:00	10/03/2016 08:03		1,554.0		4334-4		Diesel engine 1
10WR1002	Feldtest	10/03/2016 14:49	10/03/2016 14:49	WL_07WR_01-02-00	1,558.7	92356		1-925-36	Remarks Empty pipe detection (EPD)
<b>Grouped by S/N "18100297" / Number of messages: 1 / First occurred on: 10/06/2016 14:17 / Last occurred on: 10/06/2016 14:17</b>									
18100297	Vorfahrmaschine	10/06/2016 14:17	10/06/2016 14:22	WL_1710_01-05-00	111.6	19130011		1-913-11	Warning Dry run protection water system
<b>Grouped by S/N "18100299" / Number of messages: 1 / First occurred on: 09/28/2016 13:42 / Last occurred on: 09/28/2016 13:42</b>									
18100299	Vorfahrmaschine	09/28/2016 13:42	09/28/2016 13:43	WL_1710_01-05-00	113.8	12000027		1-209-27	Unexpected switching status IN_27 Left control panel
<b>Grouped by S/N "19200004" / Number of messages: 19 / First occurred on: 09/28/2016 09:19 / Last occurred on: 10/03/2016 10:51</b>									
19200004	19200004	09/28/2016 09:19	09/28/2016 09:24	WL_1820_00-01-00	44.9	12000069		1-925-63	Remarks engine cool down time below
19200004	19200004	09/28/2016 09:39	09/28/2016 10:08	WL_1820_00-01-00	44.9	12000067		1-220-7	Unexpected switching status IN_7 Left control panel
19200004	19200004	09/28/2016 10:30	09/28/2016 10:30	WL_1820_00-01-00	44.9	12000067		1-220-7	Unexpected switching status IN_7 Left control panel
19200004	19200004	09/28/2016 10:47	09/28/2016 10:50	WL_1820_00-01-00	44.9	12000067		1-220-7	Unexpected switching status IN_7 Left control panel
19200004	19200004	09/28/2016 10:52	09/28/2016 10:57	WL_1820_00-01-00	45.0	12000067		1-220-7	Unexpected switching status IN_7 Left control panel
19200004	19200004	09/28/2016 12:11	09/28/2016 13:29	WL_1820_00-01-00	45.0	12000067		1-220-7	Unexpected switching status IN_7 Left control panel
19200004	19200004	09/28/2016 13:32	09/28/2016 13:35	WL_1820_00-01-00	45.0	12000067		1-220-7	Unexpected switching status IN_7 Left control panel
19200004	19200004	09/28/2016 13:44	09/28/2016 13:51	WL_1820_00-01-00	45.0	12700046		1-270-46	Fault exit DUT_46 Speed adjustment cooling fan pump
19200004	19200004	09/28/2016 13:44	09/28/2016 13:51	WL_1820_00-01-00	45.0	19130013		1-713-13	Engine 1 fault 31039 RPM / FMS
19200004	19200004	09/28/2016 13:52	09/28/2016 13:56	WL_1820_00-01-00	45.0	12000067		1-220-7	Unexpected switching status IN_7 Left control panel
19200004	19200004	09/28/2016 13:56	09/28/2016 14:03	WL_1820_00-01-00	45.0	12000067		1-220-7	Unexpected switching status IN_7 Left control panel
19200004	19200004	10/03/2016 09:31	10/03/2016 09:36	WL_1820_00-01-00	45.1	12000067		1-220-7	Unexpected switching status IN_7 Left control panel
19200004	19200004	10/03/2016 09:41	10/03/2016 09:46	WL_1820_00-01-00	45.2	19130013		1-913-12	Warning Fuel filling level
19200004	19200004	10/03/2016 09:57	10/03/2016 09:59	WL_1820_00-01-00	45.2	12000067		1-220-7	Unexpected switching status IN_7 Left control panel
19200004	19200004	10/03/2016 07:38	10/03/2016 07:39	WL_1820_00-01-00	45.2	19130013		1-913-12	Warning Fuel filling level
19200004	19200004	10/03/2016 08:12	10/03/2016 08:16	WL_1820_00-01-00	45.2	18130022		1-913-22	State implausible Joystick travelling left control panel
19200004	19200004	10/03/2016 08:13	10/03/2016 08:16	WL_1820_00-01-00	45.2	19130012		1-913-12	Warning Fuel filling level
19200004	19200004	10/03/2016 10:30	10/03/2016 10:52	WL_1820_00-01-00	45.2	19130011		1-913-12	Warning Fuel filling level

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10-210-66.1-16090

# MAINTENANCE HISTORY

The history view of the **maintenance section** (1) contains all the information you need to ensure optimally maintained machinery.

From information on the type and schedule of upcoming maintenance work to documentation on previous maintenance – the maintenance functions reliably ensure that your machines remain operational.

In addition to having an overview of your **machine fleet** (2) and maintenance that has already been carried out, you can also edit previous maintenance activities (3).

1

Maintenance History			
Maintenance type	Executed on	Maintenance at [h]▼	Executed by
250h-Service	11/11/2014 06:53	976	Reperaturabteilung

2

Machines (11/11/11)			
	Customer designation	S/N	
●	#517616 HD	11822991	Tr

3

Update maintenance

Maintenance type	
Executed on	07/30/2014 11:04
Maintenance at	562 h
Executed by	Wirtgen Hamburg
Entered by	berminge
Order number	1234
Edited by	berminge
Edited on	08/11/2014 11:07
Info	250h Wartung nicht erfasst
Next maintenance type	



*If incorrect data was given during the **maintenance entry** or if maintenance has been entered that has not yet been carried out, this can be deleted via the recycle bin symbol.*

**WIRTGEN GROUP** WITOS FleetView

**Fleet**

**Map**

**Message**

**Monitoring**

**Maintenance**

**Operation data history**

**Message history**

**Maintenance history**

**Master data**

**Exports**

**Maintenance History**

Maintenance type	Executed on	Maintenance at [h]	Executed by	Entered by	Order number	Edited by	Edited on	Info
250h-Service	11/11/2014 08:53	976	Reparaturabteilung	Israbender	1141005689			wurde zusammen ...
1000h-Service	11/11/2014 08:55	976	Reparaturabteilung	Israbender	1141005689			
250h-Service	05/30/2014 11:04	562	Wirtgen Hamburg	berings	1234	berings	06/11/2014 11:07	250h Wartung nicht
500h-Service	07/30/2014 11:04	562	Wirtgen Hamburg	berings	1234			in Absprache mit W...
50h-Service	04/11/2014 11:03	50	Versuch	berings	1234			

1

**Update maintenance**

Maintenance type

Executed on: 07/30/2014 11:04

Maintenance at: 562 h

Executed by: Wirtgen Hamburg

Entered by: berings

Order number: 1234

Edited by: berings

Edited on: 06/11/2014 11:07

Info: 250h Wartung nicht erfasst

Next maintenance type

3

**Machines (11/11/11)**

Customer designation	S/N	Product	Type / appendix	Operating hours [h]	Last maintenance	Last maintenance at [h]	Last maintenance by	Entered by
■ #317616 HD	11822991	Tracked Pa.	SUPER 1800-2	3.071				
■ Dams machine	08745001	Tracked Pa.	SUPER 3000-2	3.076	03/09/2015 15:51	100	500h-Service	zidellus
■ Feldtest	13301002	Large Mill.	W 218 F	1.876	11/11/2014 08:39	976	1000h-Service	Israbender
■ Feldtest	07030002	Small Mill.	W 35 R	164				
■ 1473942	14020611	Tracked Pa.	SUPER 1800-3i	627	05/09/2016 20:10	4	50h-Service	awoladenko
○ Feldtest	13050008	Small Mill.	W 35 H					
○ 19100004	19000004	Large Mill.	W 215 F	45				
○ Feldtest	10WR1002	Cold Recycl.	WR 240 AG4f	1.559	09/25/2014 07:06	512	500h-Service	Israbender
○ H3230007	H3230007	Pivot Steer...	DV9 7D V7-B	429				
○ Vorfürmaschine	18100297	Small Mill.	W 100 CFI	120	07/28/2016 13:31	46	50h-Service	schneppens
○ Vorfürmaschine	18100299	Small Mill.	W 130 CFI	114	09/08/2016 15:25	85	50h-Service	schneppens

2

# WITOS FleetView application

## MASTER DATA

The master data provides you with an overview of your machine's master data, associated maintenance schedules and the **WITOS FleetView** basic settings. The **machine's master data** (1) is subdivided into:

- Master data of the machines (customer designation, S/N, TCU serial number, machine type)
- Contact and related headquarters, subsidiary, service office, dealer
- Fleet affiliation

The machine transfer function is available to the user on the machine tab (1). Thus, the machine proprietor can transfer possession to another user for a defined period of time. Thereupon, the machines appear in the **WITOS FleetView** system of the other user.

The **maintenance overview** (2) shows not only the maintenance intervals for a selected machine, but also, in the machine overview, the previous and upcoming maintenance work for your machine fleet.

In the **configuration** tab (3), you can configure basic settings in **WITOS FleetView**, such as the:

- Language
- Unit (metric or imperial)
- Start page (fleet or map)

1

Machine	Maintenance	Configuration
Customer designation		Demo machine
S/N		08740001
S/N TCU master data		
Type / appendix		SUPER 3000-2

2

Machine	Maintenance	Oh. calculation	Configuration
<input checked="" type="checkbox"/> Maintenance intervals			
Brand	Product line	Description	Maint.
Wirtgen GmbH	06WR	WR 200	Days
Wirtgen GmbH	06WR	WR 200	Days
Wirtgen GmbH	06WR	WR 200	Days
Wirtgen GmbH	06WR	WR 200	Days

3

Configuration	
Language	English
Unit	Imperial
Start page	Fleet
Time viewer	24 hrs.



**Changes to language, units and start page are only effective after *restarting* the application.**

**WIRTTGEN GROUP**

WITOS FleetView

Fleet

Map

Message

Monitoring

Maintenance

Operation data History

Message History

Maintenance History

Master data

Exports

Machine

Maintenance

Configuration

1

2

3

S/N TCU master data

Type / appendix

Name

First name

Email

Phone

Headquarters

Subsidiary

Dealer

Service s.

Responsible service s.

Owner

Holder

Machine

Maintenance

Configuration

Customer designation

S/N

Product

S/N TCU machine, S/N TCU master data

SDM No Machine

SDM No Master

Type / appendix

Operating ho [h]

Name

First name

Email

Phone

Export

Import

Customer designation	S/N	Product	S/N TCU machine, S/N TCU master data	SDM No Machine	SDM No Master	Type / appendix	Operating ho [h]	Name	First name	Email	Phone	Export	Import
Feldheut	15001002	Large Milln.	01-A058A1	70p-A058A1*640B	89314404000	W 31D	1.676					Wirtgen GmbH	Wirtgen
Feldheut	10WR1002	Cold Recycl.	01-A05CB41	70p-A05CB41*640B	89314404000	WR 240i AG4f	1.558					Wirtgen GmbH	Wirtgen
#517616 HD	11822991	Tracked Pa		8931440400007	89314404000	SUPER 1800-2	3.071					Joseph Vögels AG	Joseph
Demo machine	08740001	Tracked Pa		8931440400004		SUPER 3000-2	0.076	Muhtermann	Max	support@witos.com	+49 2045 1319999	Joseph Vögels AG	Joseph
Feldheut	07030002	Small Milln.	01-A0530Y1			W 35 R	264					Wirtgen GmbH	Wirtgen
1478K2	14820612	Tracked Pa		8931440400012		SUPER 1800-3	437					Joseph Vögels AG	Joseph
H2220007	H2220007	Pivot Steer...	01-A05CDH2	A05CDH2	89314404000	Dv+ 70 VY-S	426					Hamm AG	Hamm
Feldheut	13050008	Small Milln.	01-A058A1			W 50 H						Wirtgen GmbH	Wirtgen
Vorfühmaschine	18100287	Small Milln.	01-A058D41	A058D41	89314404000	W 120 CP	120					Wirtgen GmbH	Wirtgen
Vorfühmaschine	18100289	Small Milln.	01-A058B01	A058B01	89314404000	W 130 CP	114					Wirtgen GmbH	Wirtgen
15020004	15020004	Large Milln.	02-8C1127F8B...			W 215 F	45					Wirtgen GmbH	Wirtgen

Apply filter

239


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Wirtgen Group


24:30

10.10.2020 1:10:00

## EXPORT OF DATA

The exported records from the operation data history are available in the **exports** area. Data exports can be downloaded from here as often as you like via the Download button .

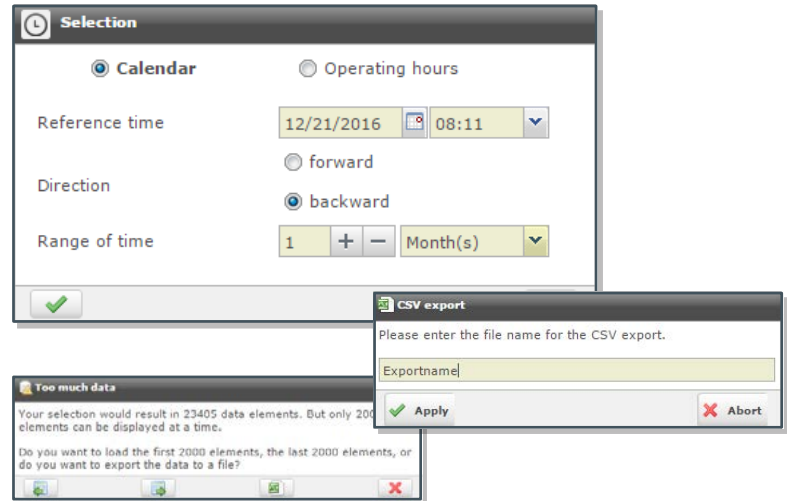
The most important corner stones (monitoring period, monitoring start, viewing direction etc.) are summarised at a glance in the table overview.

Existing data exports can be removed from the list via the delete button .

New data exports can be added via the operation data history.



*In the meantime, created data exports are saved in the system and can be retrieved at any point until the data has been selectively removed.*





**WIRTTGEN GROUP**

WITOS FleetView

- Fleet
- Map
- Message
- Monitoring
- Maintenance
- Operation data
- History
- Message History
- Maintenance History
- Master data
- Exports

### Current Export

File: Exportname

Requested: 10/07/2016 14:22

Required time: 00:00:27

Data processed: 

100 %

Selection: Calendar

Start of viewing: 10/07/2016 13:50

Direction: backward

Range of time: 6 Month(s)

### Exports

File	Requested*	Started	Done	Data available until	Number of data	Data processed [%]	Selection	Start of viewing	Direction	Range of time	Required time [Minutes]
Exportname	10/07/2016 14:22	10/07/2016 14:22	10/07/2016 14:22	10/14/2016 14:22	23405	100	Calendar	10/07/2016 13:50	backward	6 Month(s)	00:00:27

copyright: processed 2012-2016/Version: WITOS-08-30-1024960

www.wirtgen.com 14:25 10.210.68.1:16080

WITOS FleetView functions

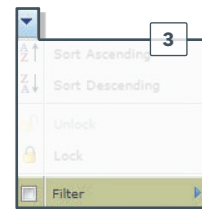
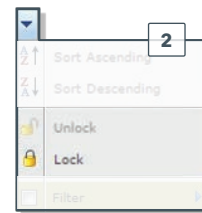
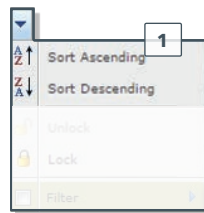
# SORT, LOCK AND FILTER

In all the overviews presented, you can use the following basic functions to organise your data within the columns:

## Sort ascending/descending (1)

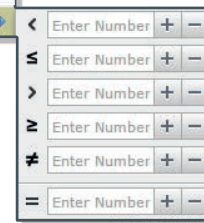
## Lock /unlock (2)


- > If the window contents are moved, the columns to the left of the locked column remain visible.



## Filter (3)

- > As well as classic filtering by text content, you can also filter the operation data by value range.



After you have filtered the data once, you can save the filter settings using the  button.

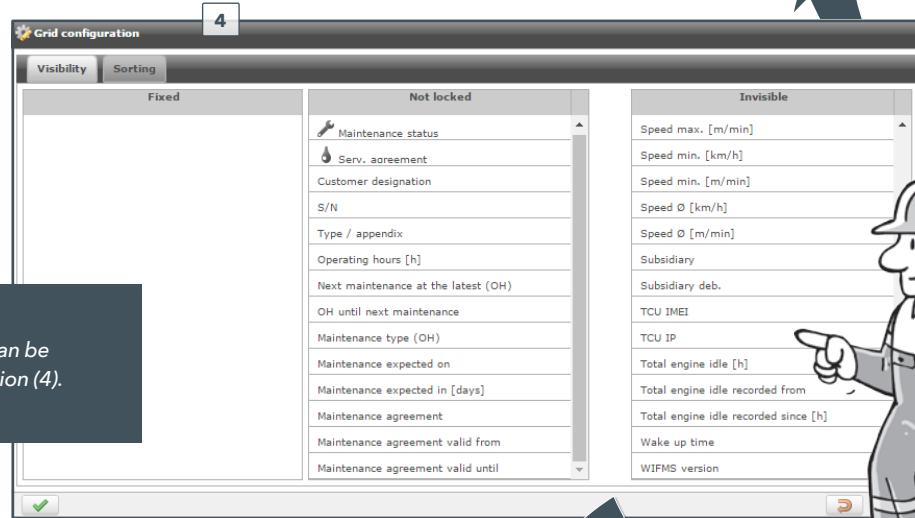
WITOS FleetView functions

# TABLE CONFIGURATION

Table configuration allows you to arrange and sort the columns as you wish using drag-and-drop.



Existing **table configurations** can be **reset** to the standard configuration (4).



WITOS FleetView functions

# TRANSMITTABLE DATA

The volume of data listed here conforms with the machine type and the machine software currently installed. The maximum data record per machine type can only be retrieved on the most current machine software.

Transmittable data													
GPS position Lon / Lat / Alt	Distance	Speed	Total fuel con- sumption	Fuel rate	Diesel tank level	AdBlue®/DEF tank level	Engine speed	Engine load factor	Cooling water temperature	Operational hours	Machine status	Error messages	Movement mes- sages
•	•	•	•	•	•		•	•	•	•	•	•	•
•		•	•	•	•		•		•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•	•	•	•
•		•	•	•	•		•	•	•	•	•	•	•
•	•	•	•	•	•		•	•	•	•	•	•	•
•	•	•	•	•	•		•	•	•	•	•	•	•
•	•	•	•	•	•		•	•	•	•	•	•	•
•	•	•	•	•	•		•	•	•	•	•	•	•

\*AdBlue® is a registered, protected trademark of Verband der Automobilindustrie (VDA) e. V. (German Association of the Automotive Industry).

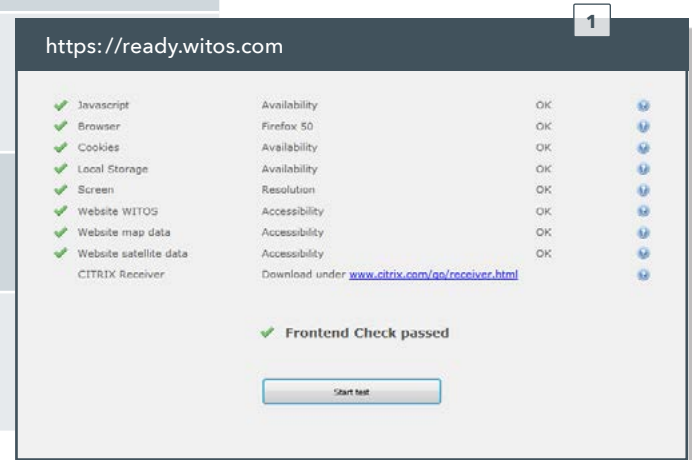
WITOS FleetView

# SYSTEM REQUIREMENTS







Hardware	
CPU	Intel Pentium 1 GHz or above (recommended)
RAM	2 GB or more (recommended)
Hard disk	10 GB usable memory (recommended)
Display	16-bit, 1024 × 768 or higher (recommended)

The system requirements for the browser and operating system can be found in the **front-end check** (1).

If you have any questions, please contact your service subsidiary.




## LEGEND

	<b>Activate/deactivate filter</b>
	<b>Add filter</b>
	<b>Delete</b>
	<b>Delete filter</b>
	<b>Download</b>
	<b>Export.csv</b>
	<b>Export.pdf</b>
	<b>Invert selection</b>
	<b>Machine path</b>





	<b>Monitoring period</b>
	<b>Radius search</b>
	<b>Select all</b>
	<b>Undo selection</b>
	<b>Update</b>



The **WITOS FleetView** telematics system with **WITOS FMI** includes the **WITOS** control unit (TCU), use of the web-based fleet management system and the **WITOS** maintenance fee for 3 years from start-up (further free use of the system is possible after this term has elapsed, but cannot be guaranteed due to changes to mobile phone standard [e.g. from 2G to 3G], network coverage problems or similar).

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Performance data dependant upon operational conditions.

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