



WITOS FleetView

Short instruction



CLOSE TO OUR CUSTOMERS



WIRTGEN GROUP
TELEMATICS AND
ON-SITE
SOLUTIONS



CONTENTS

| | |
|-------------------------------------|-----------|
| ADVANTAGES | 4 |
| ----- | |
| GETTING STARTED | 6 |
| ----- | |
| WITOS FLEET VIEW APPLICATION | 8 |
| ----- | |
| WITOS FLEET VIEW FUNCTIONS | 28 |
| ----- | |
| SYSTEM REQUIREMENTS | 31 |
| ----- | |
| LEGEND | 32 |

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.

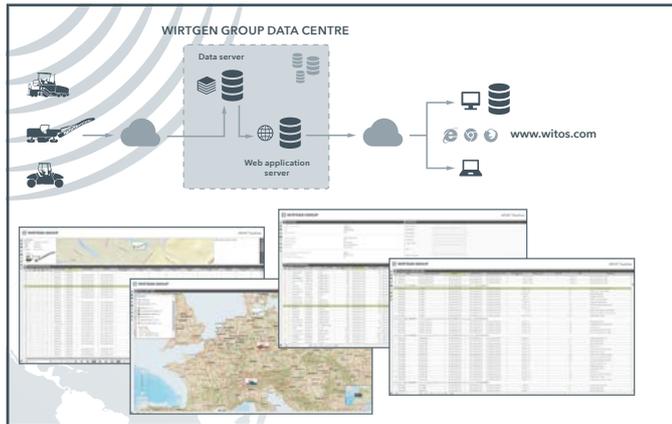
WITOS FleetView helps you keep perfect track of your machine fleet - anywhere, at any time. Benefit from knowing what your machines are currently doing, where they are doing it and in what operating mode!*

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.

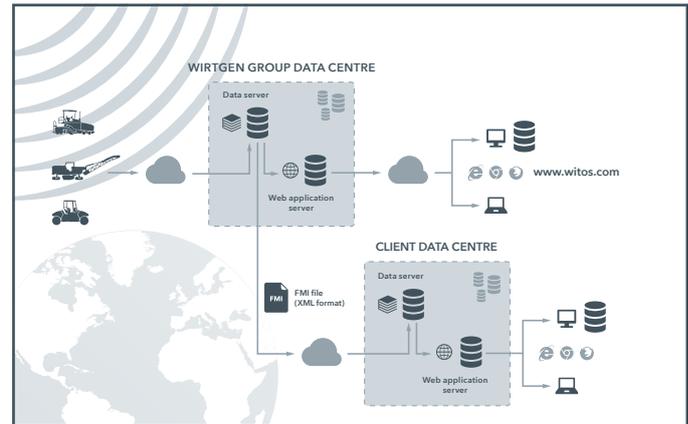


** The currentness of the data is dependent on mobile network coverage.*

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

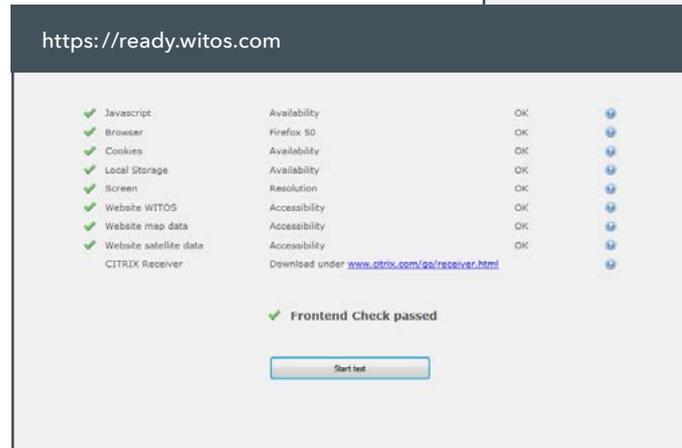


WITOS FleetView is a web application. Simply enter the address www.witos.com into the address line of your browser, and log in with your access data. You will receive this information directly from the administrator or your **WITOS** support team.



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:

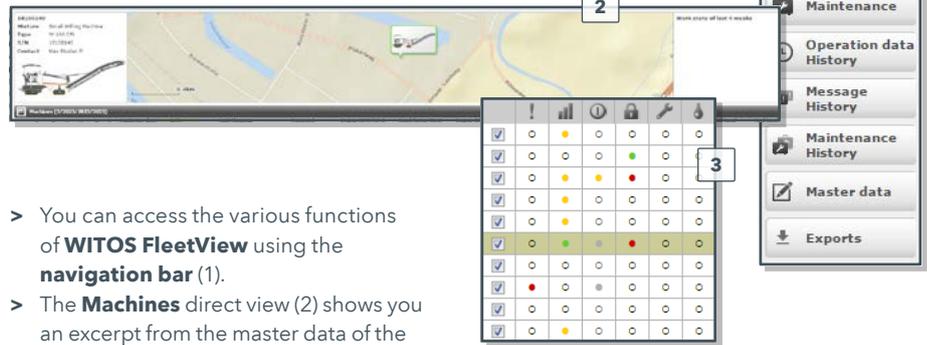


- > If the front-end check is successful, you can start using **WITOS FleetView** immediately. Detailed information on the system requirements can be found at the end of this brochure and in the front-end check.

WITOS FleetView application

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.



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

- > 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.



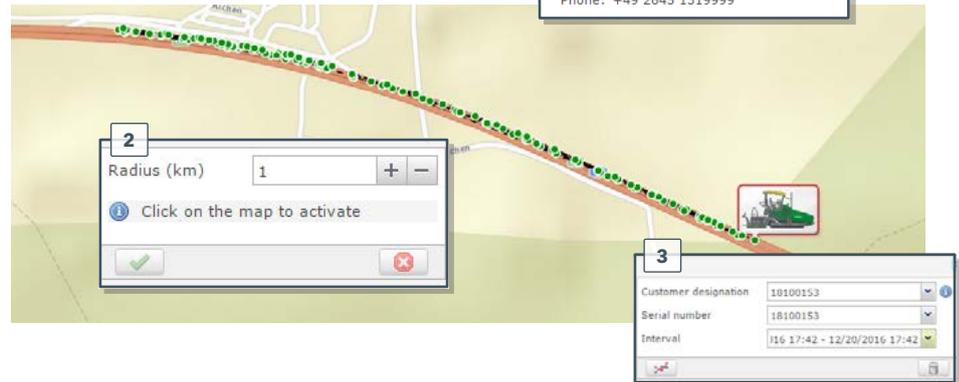
*By **selecting machines** in the fleet overview, you can define which machines are displayed in the other windows of the navigation bar (1).*

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

1 Demo machine
 S/N: 08740501
 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@wites.com
 Phone: +49 2545 1319999

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

3

| | |
|----------------------|-----------------------------|
| Customer designation | 18100153 |
| Serial number | 18100153 |
| Interval | 16:17:42 - 12/20/2016 17:42 |

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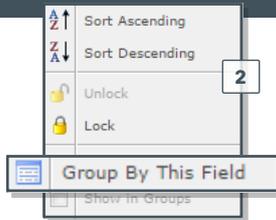
MESSAGES

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 WIRTGEN GROUP

- Home
- Map
- Message
- Maintenance
- Operation data
- Message History
- Maintenance History
- Master data
- Exports

Message (1299/1299/1299)

| ID# | Reported | Reported until | WIDSAG Metadata Version | Operating hours (h) | Notification No. | SPN-EMS | Code | Notification |
|----------|------------------|------------------|-------------------------|---------------------|------------------|-----------|---------------|--|
| 11110236 | 09/22/2015 09:48 | 09/22/2015 09:47 | VO_1111_00-07-00 | 49.9 | 267 | | [04-96-01] | Fuel tanks: minimum level < 15% |
| 11110236 | 04/29/2015 09:55 | 06/02/2015 06:47 | VO_1111_00-07-00 | 0.0 | | 133-1 | | Diesel engine 1 |
| 08070917 | 08/10/2015 16:11 | 10/08/2015 16:11 | VO_0807_00-01-01 | 3.2416 | | 830-2 | | Diesel engine 1 |
| 02190516 | 11/23/2015 15:33 | 11/23/2015 15:35 | VO_0219_00-00-05 | 1.3763 | 365 | | [04-96-01] | Fuel tanks: minimum level < 15% |
| 07400600 | 08/22/2015 12:12 | 12/10/2015 19:07 | VO_0740_00-02-01 | 1.175.7 | | 524022-14 | | Diesel engine 1 |
| 08180440 | 01/27/2016 18:39 | 01/28/2016 07:09 | VO_0818_00-00-02 | 1.530.9 | 188 | | [06-1093-102] | safety cut-out for airseed heating tripped |
| 14202198 | 02/04/2016 15:13 | 02/04/2016 15:18 | WI_1320_02-03-00 | 778.7 | 91325 | | 1-913-15 | Warning Milling drum flap |
| 06220099 | 05/03/2016 13:21 | 05/03/2016 14:15 | WI_1320_02-03-00 | 22.4 | 73142 | | 1-913-42 | Engine 2 fault Fuel pressure line (SPN-157) |
| 06220099 | 05/03/2016 13:32 | 05/03/2016 14:15 | WI_1320_02-03-00 | 22.4 | 73142 | | 1-913-42 | Engine 1 Fault Fuel pressure line (SPN-157) |
| 06220099 | 05/03/2016 13:37 | 05/03/2016 14:15 | WI_1320_02-03-00 | 22.4 | 11337 | | 1-113-37 | Fuse fault #27 |
| 14201076 | 05/13/2016 22:41 | 05/13/2016 23:42 | WI_1320_02-03-00 | 118.0 | 91313 | | 1-913-15 | Warning Milling drum flap |
| 08830681 | 05/01/2016 10:39 | 05/16/2016 09:45 | VO_1182_00-01-02 | 3.172.6 | 128 | | [04-96-01] | Fuel tanks: minimum level |
| 06220068 | 06/07/2016 12:03 | 06/07/2016 12:08 | WI_TCU1_01-01-00 | 0.5 | 1 | | 1 | WIDSAG diagnostic session active |
| 07610051 | 06/22/2016 06:23 | 06/23/2016 14:14 | VO_0761_00-02-00 | 694.3 | 620 | | [04-2251-15] | Diesel Particulate Filter regeneration needed - lowest level |
| 04120010 | 07/04/2016 22:54 | 07/04/2016 23:20 | WI_1320_02-03-00 | 0.0 | 91355 | | 1-913-15 | Warning Milling drum flap |
| 13201055 | 04/18/2016 23:21 | 04/20/2016 04:19 | WI_1320_02-03-00 | 244.6 | 83128 | | 1-831-28 | Calibration fault Rear right stroke cylinder |
| 13201055 | 04/18/2016 23:21 | 04/20/2016 04:19 | WI_1320_02-03-00 | 244.6 | 83127 | | 1-831-27 | Calibration fault Rear left stroke cylinder |
| 13201055 | 04/18/2016 23:21 | 04/20/2016 04:19 | WI_1320_02-03-00 | 244.6 | 83126 | | 1-831-26 | Calibration fault Front stroke cylinder |
| 13201055 | 04/18/2016 23:21 | 04/20/2016 04:19 | WI_1320_02-03-00 | 244.6 | 83125 | | 1-831-25 | Calibration fault Left front stroke cylinder |
| 13201055 | 04/18/2016 23:21 | 04/20/2016 04:19 | WI_1320_02-03-00 | 244.6 | 83124 | | 1-831-24 | Calibration fault Rear right side plate cylinder |
| 13201055 | 04/18/2016 23:21 | 04/20/2016 04:19 | WI_1320_02-03-00 | 244.6 | 83123 | | 1-831-23 | Calibration fault Right front side plate cylinder |
| 13201055 | 04/18/2016 23:21 | 04/20/2016 04:19 | WI_1320_02-03-00 | 244.6 | 83122 | | 1-831-22 | Calibration fault Rear left side plate cylinder |
| 13201055 | 04/18/2016 23:21 | 04/20/2016 04:19 | WI_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 | 171 | | [10-1500-102] | temperature sensor slewing belt conveyor failed |
| 07610003 | 08/01/2016 10:36 | 08/01/2016 11:01 | VO_0761_00-04-00 | 724.7 | 170 | | [10-1500-102] | sensor pitch slewing belt conveyor failed |
| 07610003 | 08/01/2016 10:36 | 08/01/2016 11:01 | VO_0761_00-04-00 | 724.7 | 170 | | [10-1501-103] | 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 | | [10-1501-102] | distance measurement sensing cylinder slewing belt conveyor right hand |
| 07610003 | 04/30/2016 17:36 | 06/01/2016 11:01 | VO_0761_00-04-00 | 722.0 | 265 | | [04-96-01] | Fuel tanks: minimum level |
| 07610003 | 06/01/2016 09:51 | 06/01/2016 11:01 | VO_0761_00-04-00 | 724.7 | 620 | | [04-2251-15] | 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 | | [06-1074-100] | Manual Mode for Tractor Activated |
| 08190002 | 08/10/2016 08:02 | 08/10/2016 08:04 | VO_0819_00-00-07 | 0.0 | 133 | | [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 | | [02-1030-11] | 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 | | [02-1036-11] | 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 | | [04-96-01] | 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 |

WITOS FleetView

- Sort Ascending
- Sort Descending
- Unlock
- Lock
- Group By This Field
- Show in Groups

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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.

The screenshot displays the WITOS FleetView application interface. At the top left, the logo for WIRTGEN GROUP is visible. The top right corner shows 'WITOS FleetView'. A sidebar on the left contains navigation options: Fleet, Map, Message, Monitoring, Maintenance, Operation data, Message History, Maintenance History, and Master data. The main area is divided into several sections:

- Monitoring configuration (top):** A form with fields for Customer designation, S/N, Email, Status, Alarm, and Email. It includes checkboxes for Monitoring Geo-Fence, Monitoring curfew, Monitoring shock sensor, Monitoring alarm notifications, Monitoring fault notifications, Pending Service (OH), and Overdue Service (OH). Callout '1' points to the top of this section, and callout '2' points to the Monitoring configuration sub-tab.
- Monitoring activation (middle):** A form for setting work days. It includes Customer designation, S/N, Radius (50.0 km), and Work day start/end times for each day of the week. Callout '2' points to the top of this section.
- Machines (bottom):** A table listing machines with columns for Customer designation, S/N, Fuel, Notifica (OH), and Monitoring. Callout '3' points to the table header.

At the bottom, there is an 'Apply filter' button and a status bar showing '248'.

WITOS FleetView application

MAINTENANCE

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

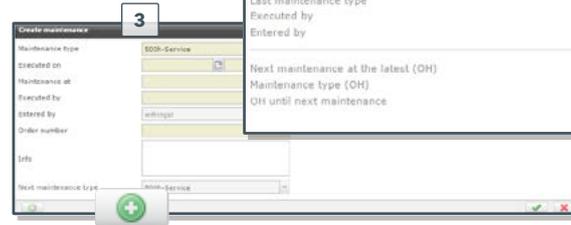
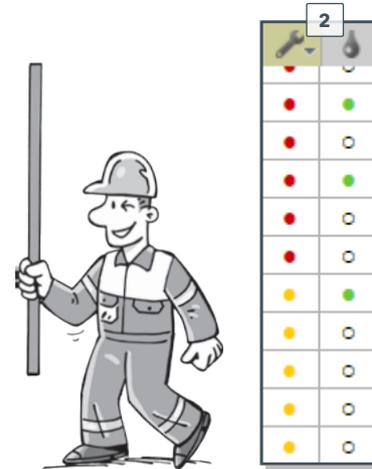
The **maintenance status for a machine** (1) shows the type and schedule of the previous maintenance work and all information on upcoming maintenance work for one or more machines.

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.



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

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

1 Maintenance status
Create maintenance

| | |
|-------------------------------------|------------------|
| Customer designation | Vorfürmaschine |
| S/N | 181040597 |
| Type | W 100 CF |
| Operating hours | 120 h |
| | |
| Last maintenance | 07/28/2016 15:31 |
| Last maintenance at | 46 h |
| Last maintenance type | 500-Service |
| Executed by | Service Center |
| Entered by | wlhensgens |
| | |
| Next maintenance at the latest (DH) | 500 |
| Maintenance type (DH) | 500H-Service |
| DH until next maintenance | 380 |

| | |
|-----------------------|------------------------|
| Maintenance type | <input type="text"/> |
| Executed on | <input type="text"/> |
| Maintenance at | <input type="text"/> h |
| Executed by | <input type="text"/> |
| Entered by | <input type="text"/> |
| Order number | <input type="text"/> |
| Info | |
| <input type="text"/> | |
| Next maintenance type | <input type="text"/> |

2

3

Machines (11/11/11)
Exports

| Customer design. | S/N | Type / appendix | Operating hours (h) | Last maintenance | Last maintenance at (h) | Last maintenance type | Executed by | Entered by | Next maintenance x | Maintenance type (0: DH until next maint) | |
|--------------------|----------|-----------------|---------------------|------------------|-------------------------|-----------------------|---------------|---------------------|--------------------|---|--------|
| • ○ #317616 HD | 11822991 | SUPER 1800-2 | 3.071 | | | | | | 30 | 500-Service | -3.021 |
| • ○ Demo machine | 08740001 | SUPER 3000-2 | 5.076 | 05/08/2015 15:51 | | 100 | 500H-Service | Hanning Oeluis | 30 | 1000H-Service | -2.576 |
| • ○ Feldtest | 15201002 | W 210 | 1.876 | 11/11/2014 06:55 | | 976 | 1000H-Service | Reperaturabteilung | 1.476 | 500H-Service | -400 |
| • ○ Feldtest | 07030002 | W 35 W | 364 | | | | | | 30 | 500-Service | -314 |
| • ○ 1478H42 | 14835612 | SUPER 1800-3 | 437 | 05/03/2016 20:10 | | 4 | 500-Service | Cante | 500 | 500H-Service | -137 |
| ○ ○ Feldtest | 13000088 | W 30 H | | | | | | | | | |
| ○ ○ 18200064 | 18200064 | W 213 F | 43 | | | | | | | | |
| ○ • Feldtest | 10WR1102 | WR 240 AG4F | 1.559 | 08/25/2014 07:04 | | 512 | 500H-Service | A.Bruder/K.Lehmann | 1.000 | 500H-Service | -559 |
| ○ ○ H2200007 | H2200007 | Dir+ 75A VT-E | 439 | | | | | | 300 | 500H-Service | 61 |
| ○ ○ Vorfürmaschine | 1810528F | W 100 CF | 120 | 07/28/2016 15:31 | | 46 | 500-Service | Service Center | 500 | 500H-Service | 180 |
| ○ ○ Vorfürmaschine | 18100289 | W 100 CF | 114 | 06/06/2016 15:25 | | 85 | 500-Service | Service Center Rep. | 500 | 500H-Service | 364 |

Apply filter

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OPERATION DATA HISTORY

Take a look back into the past of your machines. The **history view** (1) allows you to display operational and position data for your machines over a freely definable period in a clear and easily readable layout. Standard reports incorporating graphics enable fast and simple analysis. Create individual operational reports, and derive conclusions for the future.

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

You can also set whether you want to look at a period before or after the selected time, and the time period that you wish to look at (year, month, week, day, hour, minute).

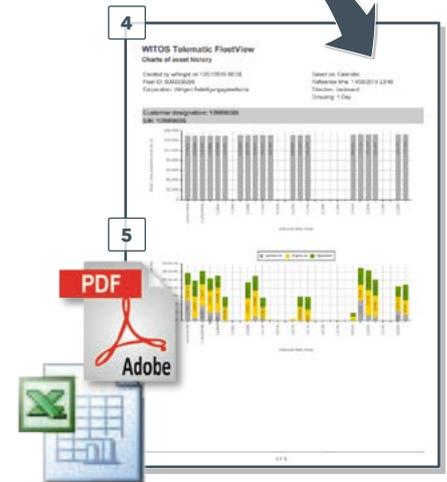
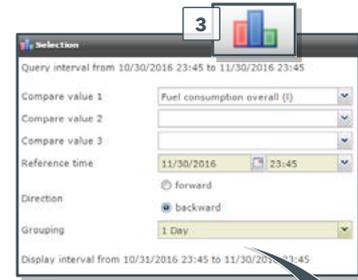
You can change the selected observation period at any time using the  button.

In addition to the table view, you can use the  button (3) to see a graphical view. The **diagram view** (4) lets you compare up to three pieces of data for a particular machine or data for several machines.



Choose the **diagram view** for graphical display of your data (3)!

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



WIRTGEN GROUP

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/D-E) [min] | Operating hours [%] |
|--|----------|--------------|---------------------|------------------|-------------------|--------------------------------|--------------------------|---------------------|
| 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 | | | | | | | | |
| Faulttest | 07030002 | Small Mill. | Wake up | | | | | 364 |
| Grouped by S/N: "10WR1002" / Number of data entries: 3 / First occurred on: 10/06/2016 15:34 / Last occurred on: 10/06/2016 15:39 | | | | | | | | |
| Faulttest | 10WR1002 | Cold Recycl. | Ignition on | 624.9 | 3.8 | 1.499 | | 1.559 |
| Faulttest | 10WR1002 | Cold Recycl. | Cyclic notification | 625.0 | 2.4 | 1.499 | 1.003 | 1.559 |
| Faulttest | 10WR1002 | Cold Recycl. | Ignition off | 625.0 | 2.4 | 1.499 | 1.032 | 1.559 |
| 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 | | | | | | | | |
| #517616 HD | 11822991 | Tracked Pa. | Wake up | | | | | 3.071 |
| 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 | | | | | 439 |
| 1478942 | 14820812 | Tracked Pa. | Shock | | | | | 439 |
| 1478942 | 14820812 | Tracked Pa. | Shock | | | | | 437 |
| 1478942 | 14820812 | Tracked Pa. | Shock | | | | | 437 |
| Grouped by S/N: "15201002" / Number of data entries: 10 / First occurred on: 10/06/2016 18:04 / Last occurred on: 10/07/2016 11:25 | | | | | | | | |
| Faulttest | 15201002 | Large Mill. | Shock | | | | | 1.876 |
| Faulttest | 15201002 | Large Mill. | Shock | | | | | 1.876 |
| Faulttest | 15201002 | Large Mill. | Wake up | | | | | 1.876 |
| Faulttest | 15201002 | Large Mill. | Shock | | | | | 1.876 |
| Faulttest | 15201002 | Large Mill. | Wake up | | | | | 1.876 |
| Faulttest | 15201002 | Large Mill. | Ignition on | | | | | 1.876 |
| Faulttest | 15201002 | Large Mill. | Ignition off | | | | | 1.876 |
| Faulttest | 15201002 | Large Mill. | Ignition off | | | | | 1.876 |
| Faulttest | 15201002 | Large Mill. | Shock | | | | | 1.876 |
| Faulttest | 15201002 | Large Mill. | Wake up | | | | | 1.876 |
| Grouped by S/N: "18100297" / Number of data entries: 119 / First occurred on: 10/06/2016 13:59 / Last occurred on: 10/07/2016 13:48 | | | | | | | | |
| Vorfuhrmas. | 18100297 | Small Mill. | Cyclic notification | 51.6 | 0.0 | 384 | 0 | 111 |
| Vorfuhrmas. | 18100297 | Small Mill. | Cyclic notification | 51.6 | 0.0 | 384 | 0 | 111 |
| Vorfuhrmas. | 18100297 | Small Mill. | Cyclic notification | 51.6 | 3.2 | 384 | 3.538 | 111 |
| Vorfuhrmas. | 18100297 | Small Mill. | Cyclic notification | 51.6 | -4.3 | 384 | 1.314 | 112 |
| Vorfuhrmas. | 18100297 | Small Mill. | Cyclic notification | 51.8 | 12.4 | 385 | 1.895 | 112 |
| Vorfuhrmas. | 18100297 | Small Mill. | Cyclic notification | 51.9 | 2.3 | 385 | 1.417 | 112 |
| Vorfuhrmas. | 18100297 | Small Mill. | Cyclic notification | 51.9 | 1.4 | 385 | 1.000 | 112 |
| Vorfuhrmas. | 18100297 | Small Mill. | Cyclic notification | 52.0 | 4.8 | 385 | 1.438 | 112 |
| Vorfuhrmas. | 18100297 | Small Mill. | Cyclic notification | 52.0 | 4.7 | 386 | 1.385 | 112 |
| Vorfuhrmas. | 18100297 | Small Mill. | Cyclic notification | 52.1 | 2.0 | 386 | 1.250 | 112 |
| Vorfuhrmas. | 18100297 | Small Mill. | Cyclic notification | 52.1 | 4.1 | 386 | 2.038 | 112 |
| Vorfuhrmas. | 18100297 | Small Mill. | Cyclic notification | 52.4 | 6.2 | 387 | 1.738 | 112 |
| Vorfuhrmas. | 18100297 | Small Mill. | Cyclic notification | 52.5 | 3.2 | 387 | 1.621 | 112 |

Apply filter

Selection

2

Calendar

Operating hours

Reference time

12/21/2016

📅

08:11

▼

Direction

forward

backward

Range of time

1

+

-

Month(s)

▼

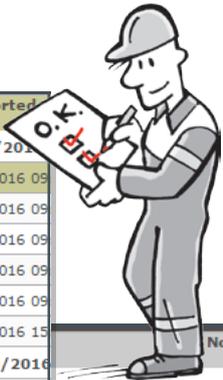
✓

✗

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.



| Customer designation | Reported | Notification |
|---|---------------|------------------------------------|
| Number of messages: 6 / First occurred on: 08/29/2016 | | |
| 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 | fuel tank: minimum level |
| est | 10/03/2016 07 | fuel tank: minimum level |
| est | 10/03/2016 08 | fuel tank: minimum level |
| est | 10/03/2016 08 | 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 / EM |



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

WIRTSCHAFTS GROUP WITOS FleetView

1

2

| S/N | Customer designation | Reported | Reported until | WIDAC Metadata Version | Operating hours | Notification No. | SPN-FMS | Code | Notification |
|---|----------------------|------------------|------------------|------------------------|-----------------|------------------|---------|---------------|--|
| 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 | | | | | | | | | |
| 08740001 | Demo machine | 08/29/2016 09:23 | 10/06/2016 08:04 | WL_087M_00-00-00 | 3,075.0 | 265 | | [08-96-01] | Fuel tank: minimum level |
| 08740001 | Demo machine | 08/29/2016 09:23 | 10/06/2016 08:04 | WL_087M_00-00-00 | 3,075.0 | 265 | | [08-96-01] | Fuel tank: minimum level |
| 08740001 | Demo machine | 08/29/2016 09:24 | 10/05/2016 15:24 | WL_087M_00-00-00 | 3,075.0 | 265 | | [08-96-01] | Fuel tank: minimum level |
| 08740001 | Demo machine | 08/29/2016 09:24 | 09/28/2016 10:27 | WL_087M_00-00-00 | 3,075.0 | 265 | | [08-96-01] | Fuel tank: minimum level |
| 08740001 | Demo machine | 08/29/2016 09:27 | 09/28/2016 10:19 | WL_087M_00-00-00 | 3,075.0 | 265 | | [08-96-01] | Fuel tank: minimum level |
| 08740001 | Demo machine | 09/28/2016 13:18 | 09/28/2016 13:18 | WL_087M_00-00-00 | 3,075.0 | 233 | | [08-1004-102] | Emergency push-button pressed |
| 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 | | | | | | | | | |
| 10WR1002 | Feldbet. | 09/29/2016 08:03 | 09/29/2016 08:08 | WL_07WR_00-02-00 | 1,933.3 | 92536 | | 1-925-36 | Remarks Empty pipe detection (EPD) |
| 10WR1002 | Feldbet. | 09/29/2016 10:11 | 09/29/2016 10:14 | WL_07WR_00-02-00 | 1,933.4 | 92536 | | 1-925-36 | Remarks Empty pipe detection (EPD) |
| 10WR1002 | Feldbet. | 10/03/2016 07:38 | 10/03/2016 07:38 | WL_07WR_00-02-00 | 1,933.4 | 92536 | | 1-925-36 | Remarks Empty pipe detection (EPD) |
| 10WR1002 | Feldbet. | 10/03/2016 08:00 | 10/03/2016 08:03 | WL_07WR_00-02-00 | 1,933.9 | 71113 | | 1-713-12 | Engine fault 21038 SPN / FMS |
| 10WR1002 | Feldbet. | 10/03/2016 08:00 | 10/03/2016 08:03 | | 1,954.0 | | 4334-4 | | Diesel engine 1 |
| 10WR1002 | Feldbet. | 10/03/2016 14:49 | 10/03/2016 14:41 | WL_07WR_00-02-00 | 1,958.7 | 92536 | | 1-925-36 | Remarks Empty pipe detection (EPD) |
| 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 | | | | | | | | | |
| 18100297 | Vorfahrmaschine | 10/06/2016 14:17 | 10/06/2016 14:22 | WL_1710_01-09-00 | 111.6 | 1913011 | | 1-913-11 | Warning Drv run protection water system |
| 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 | | | | | | | | | |
| 18100299 | Vorfahrmaschine | 09/28/2016 13:42 | 09/28/2016 13:43 | WL_1710_01-09-00 | 113.8 | 12000027 | | 1-209-27 | Unexpected switching status IN_27 Left control panel |
| Grouped by S/N "19200004" / Number of messages: 19 / First occurred on: 09/28/2016 06:19 / Last occurred on: 10/03/2016 10:51 | | | | | | | | | |
| 19200004 | | 09/28/2016 06:19 | 09/28/2016 06:24 | WL_1820_00-01-00 | 44.9 | 19250089 | | 1-925-63 | Remarks engine cool down time below |
| 19200004 | | 09/28/2016 09:19 | 09/28/2016 10:18 | WL_1820_00-01-00 | 44.9 | 12000097 | | 1-209-7 | Unexpected switching status IN_7 Left control panel |
| 19200004 | | 09/28/2016 10:30 | 09/28/2016 10:34 | WL_1820_00-01-00 | 44.9 | 12000097 | | 1-209-7 | Unexpected switching status IN_7 Left control panel |
| 19200004 | | 09/28/2016 10:47 | 09/28/2016 10:50 | WL_1820_00-01-00 | 44.9 | 12000097 | | 1-209-7 | Unexpected switching status IN_7 Left control panel |
| 19200004 | | 09/28/2016 10:52 | 09/28/2016 10:57 | WL_1820_00-01-00 | 45.0 | 12000097 | | 1-209-7 | Unexpected switching status IN_7 Left control panel |
| 19200004 | | 09/28/2016 12:11 | 09/28/2016 13:29 | WL_1820_00-01-00 | 45.0 | 12000097 | | 1-209-7 | Unexpected switching status IN_7 Left control panel |
| 19200004 | | 09/28/2016 13:32 | 09/28/2016 13:41 | WL_1820_00-01-00 | 45.0 | 12000097 | | 1-209-7 | Unexpected switching status IN_7 Left control panel |
| 19200004 | | 09/28/2016 13:44 | 09/28/2016 13:51 | WL_1820_00-01-00 | 45.0 | 12700046 | | 1-270-46 | Fault aux OUT_46 Speed adjustment cooling fan pump |
| 19200004 | | 09/28/2016 13:44 | 09/28/2016 13:51 | WL_1820_00-01-00 | 45.0 | 17130113 | | 1-713-13 | Engine 1 fault 71899 Communication |
| 19200004 | | 09/28/2016 13:52 | 09/28/2016 13:56 | WL_1820_00-01-00 | 45.0 | 12000097 | | 1-209-7 | Unexpected switching status IN_7 Left control panel |
| 19200004 | | 09/28/2016 13:56 | 09/28/2016 14:03 | WL_1820_00-01-00 | 45.0 | 12000097 | | 1-209-7 | Unexpected switching status IN_7 Left control panel |
| 19200004 | | 10/03/2016 09:31 | 10/03/2016 09:36 | WL_1820_00-01-00 | 45.1 | 12000097 | | 1-209-7 | Unexpected switching status IN_7 Left control panel |
| 19200004 | | 10/03/2016 09:41 | 10/03/2016 09:46 | WL_1820_00-01-00 | 45.1 | 19130113 | | 1-913-12 | Warning Fuel filling level |
| 19200004 | | 10/03/2016 09:57 | 10/03/2016 09:59 | WL_1820_00-01-00 | 45.1 | 12000097 | | 1-209-7 | Unexpected switching status IN_7 Left control panel |
| 19200004 | | 10/03/2016 07:38 | 10/03/2016 07:39 | WL_1820_00-01-00 | 45.1 | 19130113 | | 1-913-12 | Warning Fuel filling level |
| 19200004 | | 10/03/2016 08:12 | 10/03/2016 08:16 | WL_1820_00-01-00 | 45.1 | 18130022 | | 1-813-22 | State implausible Joystick travelling left control panel |
| 19200004 | | 10/03/2016 08:13 | 10/03/2016 08:16 | WL_1820_00-01-00 | 45.1 | 19130113 | | 1-913-12 | Warning Fuel filling level |
| 19200004 | | 10/03/2016 10:30 | 10/03/2016 10:52 | WL_1820_00-01-00 | 45.1 | 19130113 | | 1-913-12 | Warning Fuel filling level |

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13-39 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 typ | Executed on | Maintenance at [h]▼ | Executed by |
|-----------------|------------------|---------------------|--------------------|
| 250h-Service | 11/11/2014 06:53 | 976 | Reperaturabteilung |

2

| Customer designation | S/N | |
|----------------------|----------|-----|
| #517616 HD | 11822991 | Tra |

3

Update maintenance

| | |
|-----------------------|----------------------------|
| Maintenance type | <input type="text"/> |
| 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 | <input type="text"/> |



*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.*

W WIRTMEN GROUP
WITOS FleetView

1

| Maintenance type | Executed on | Maintenance at [h] | Executed by | Entered by | Order number | Edited by | Edited on | Info |
|------------------|------------------|--------------------|--------------------|------------|--------------|-----------|------------------|----------------------|
| 250h-Service | 11/11/2014 06:53 | 976 | Reparaturabteilung | brabender | 1143005689 | | | wurde zusammen ... |
| 1000h-Service | 11/11/2014 06:55 | 976 | Reparaturabteilung | brabender | 1143005689 | | | |
| 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 ... |
| 50h-Service | 04/11/2014 11:03 | 50 | Versuch | berings | 1234 | | | |

Update maintenance

Maintenance type

Executed on

Maintenance at

Executed by

Entered by

Order number

Edited by

Edited on

Info

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 |
|----------------------|----------|---------------|-----------------|---------------------|------------------|-------------------------|---------------------|------------|
| #517616 HD | 11822991 | Tracked Pa. | SUPER 1800-2 | 3.071 | | | | |
| Dennis machine | 08745001 | Tracked Pa. | SUPER 3000-2 | 3.076 | 05/09/2015 15:31 | 100 | 500h-Service | joelhus |
| Feldtest | 13030002 | Large Mill. | W 210 F | 1.876 | 11/11/2014 06:35 | 976 | 1000h-Service | brabender |
| Feldtest | 07020002 | Small Mill. | W 25 H | 384 | | | | |
| 1472042 | 14822612 | Tracked Pa. | SUPER 1800-3i | 627 | 05/03/2016 20:10 | 4 | 50h-Service | eswloedemo |
| Feldtest | 13030008 | Small Mill. | W 25 H | | | | | |
| 18000004 | 18000004 | Large Mill. | W 215 F | 45 | | | | |
| Feldtest | 10WR1002 | Old Recl. | WR 240 AGAF | 1.559 | 09/23/2014 07:06 | 512 | 500h-Service | brabender |
| H3220007 | H3220007 | Privat Steer. | DV4 70 VT-S | 429 | | | | |
| Vorfahrmaschine | 18100297 | Small Mill. | W 100 CFI | 120 | 07/28/2016 13:31 | 46 | 50h-Service | schensgens |
| Vorfahrmaschine | 18100299 | Small Mill. | W 130 CFI | 114 | 09/08/2016 15:25 | 85 | 50h-Service | schensgens |

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.

W WIRTGEN GROUP
WITOS FleetView

Fleet

Map

Message

Monitoring

Maintenance

Operation data History

Message History

Maintenance History

Master data

Exports

Machine

Maintenance

Configuration

C: **1** Hsigr: **2** Des: **3**

S/N TCU master data: _____

Type / appendix: SUPER 3000-2

Name: Hubermann

First name: Max

Email: support@witos.com

Phone: +49 2045 1319999

Headquarters: Joseph Vögels AG

Subsidiary: _____

Dealer: Stammwerk Vögels Konstruktion

Service s.: _____

Responsible service s.: _____

Owner: Training Messe (0090405078)

Holder: _____

Machines (11/11/11)
Show own machines

| 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 | Brand | Job |
|----------------------|----------|--------------|-----------------|---------------------|----------------|---------------|-----------------|------------------|-----------|------------|-------------------|------------------|------------------|---------|
| Feldbeat | 13201002 | Large Milln. | 01-A058A1 | *Sp-A058A1*648B | 89314404000 | 89314404000 | W 31D | 1.676 | | | | | Wirtgen GmbH | Wirtgen |
| Feldbeat | 10WR1002 | Cold Recycl. | 01-A05CB41 | *E1-A05CB41*648B | 89314404000 | 89314404000 | WR 240i AG4f | 1.558 | | | | | Wirtgen GmbH | Wirtgen |
| #517016 HD | 11822991 | Track&Pa | | | 8931440400007 | 89314404000 | SUPER 1800-2 | 3.071 | | | | | Joseph Vögels AG | Joseph |
| Demo machine | 08740001 | Track&Pa | | | 8931440400004 | | SUPER 3000-2 | 5.076 | Hubermann | Max | support@witos.com | +49 2045 1319999 | Joseph Vögels AG | Joseph |
| Feldbeat | 07030002 | Small Milln. | 01-A0530Y1 | | | | W 35 R1 | 364 | | | | | Wirtgen GmbH | Wirtgen |
| 1478M2 | 14820812 | Track&Pa | | | 8931440400012 | | SUPER 1800-3 | 637 | | | | | Joseph Vögels AG | Joseph |
| H2220007 | H2220007 | Pivot Steer. | 01-A05CDM1 | A05CDM2 | | 89314404000 | Dv+ 70 V1-S | 428 | | | | | Hamn AG | Hamn |
| Feldbeat | 13050008 | Small Milln. | 01-A058MA1 | | | | W 50 H | | | | | | Wirtgen GmbH | Wirtgen |
| Vorfürhmaschine | 18100297 | Small Milln. | 01-A05RD41 | A05RD41 | | 89314404000 | W 130 CP | 130 | | | | | Wirtgen GmbH | Wirtgen |
| Vorfürhmaschine | 18100299 | Small Milln. | 01-A05RD1 | A05RD1 | | 89314404000 | W 130 CP | 114 | | | | | Wirtgen GmbH | Wirtgen |
| 18200004 | 18200004 | Large Milln. | 02-8C112798B | | | | W 215 F | 45 | | | | | Wirtgen GmbH | Wirtgen |

Apply filter

© wirtgen group 2012-2020 | version 071.09.30 102498

witos.com 14:30 01.10.20 11:00:50

WITOS FleetView application

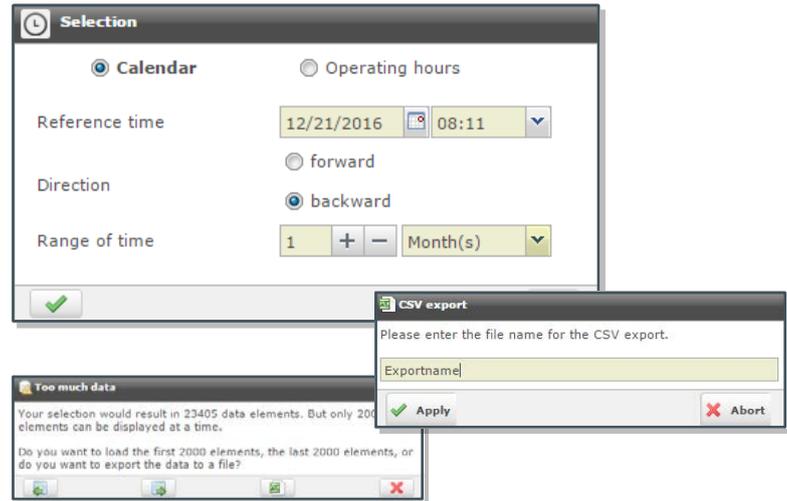
EXPORT OF DATA

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

Date 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 |

Apply filter

copyright, processed: 2012-2016 | version: 051.08.30.102490 xwitosdemo 14:20 10.210.88.1:16090

WITOS FleetView functions

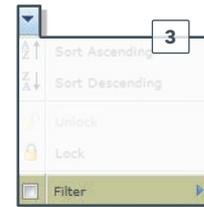
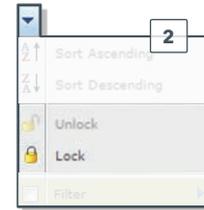
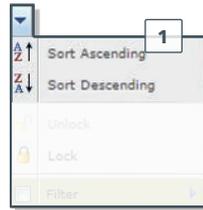
SORT, LOCK AND FILTER

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).

The screenshot shows the 'Grid configuration' interface. The 'Not locked' column lists the following items:

- Maintenance status
- Serv. agreement
- Customer designation
- S/N
- Type / appendix
- Operating hours [h]
- Next maintenance at the latest (OH)
- OH until next maintenance
- Maintenance type (OH)
- Maintenance expected on
- Maintenance expected in [days]
- Maintenance agreement
- Maintenance agreement valid from
- Maintenance agreement valid until

The 'Invisible' column lists the following items:

- Speed max. [m/min]
- Speed min. [km/h]
- Speed min. [m/min]
- Speed Ø [km/h]
- Speed Ø [m/min]
- Subsidiary
- Subsidiary deb.
- TCU IMEI
- TCU IP
- Total engine idle [h]
- Total engine idle recorded from
- Total engine idle recorded since [h]
- Wake up time
- WIFMS version

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 consumption | Fuel rate | Diesel tank level | AdBlue®/DEF tank level | Engine speed | Engine load factor | Cooling water temperature | Operational hours | Machine status | Error messages | Movement messages |
| • | • | • | • | • | • | | • | • | • | • | • | • | • |
| • | | • | • | • | • | | • | | • | • | • | • | • |
| • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| • | | • | • | • | • | | • | • | • | • | • | • | • |
| • | • | • | • | • | • | | • | • | • | • | • | • | • |
| • | • | • | • | • | • | | • | • | • | • | • | • | • |
| • | • | • | • | • | • | | • | • | • | • | • | • | • |
| • | • | • | • | • | • | | • | • | • | • | • | • | • |

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

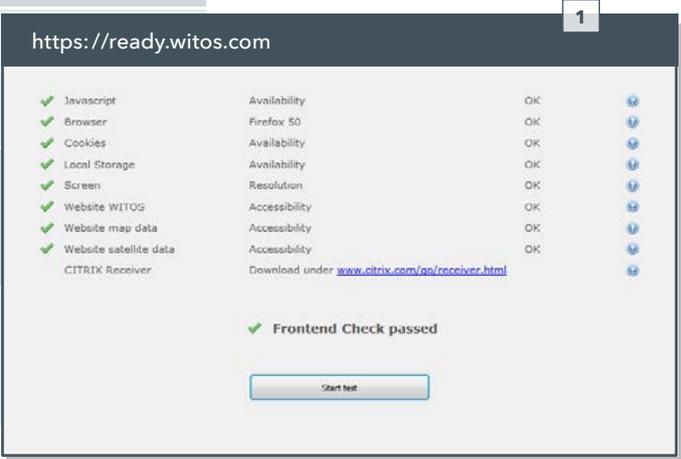
WITOS FleetView

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 x 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

| | |
|---|-----------------------------------|
|  | Activate/deactivate filter |
|  | Add filter |
|  | Delete |
|  | Delete filter |
|  | Download |
|  | Export.csv |
|  | Export.pdf |
|  | Invert selection |
|  | Machine path |





Monitoring period



Radius search



Select all



Undo selection



Update



WE HOPE YOU
ENJOY USING THE
WITOS FLEET VIEW
TELEMATICS
SYSTEM FROM THE
WIRTGEN GROUP.

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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