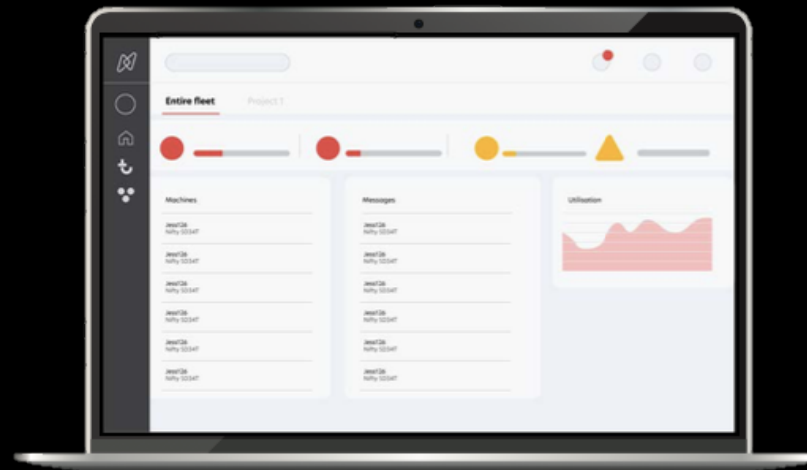


*niftylift*



Niftylink<sup>®</sup>  
Manager



Smart. Connected. Efficient.

User Guide

Powered by  
Trackunit<sup>®</sup>

## Contents

Page 2. Logging into Niftylink Manager

Page 3. Niftylink Manager Toolbar

Page 4. Fleet Home

Page 5. Fleet

Page 6. Machine - Live Status

Page 7. Machine - Events

Page 8. Machine - Events - Machine Fault

Page 9. Machine - Insights

Page 10. Machine - Telematics

Page 11. Machine - Messages

Page 12. Machine – Specification

Page 13. Manager Classic

Page 14. Fleet Inventory

Page 15. Exceptions

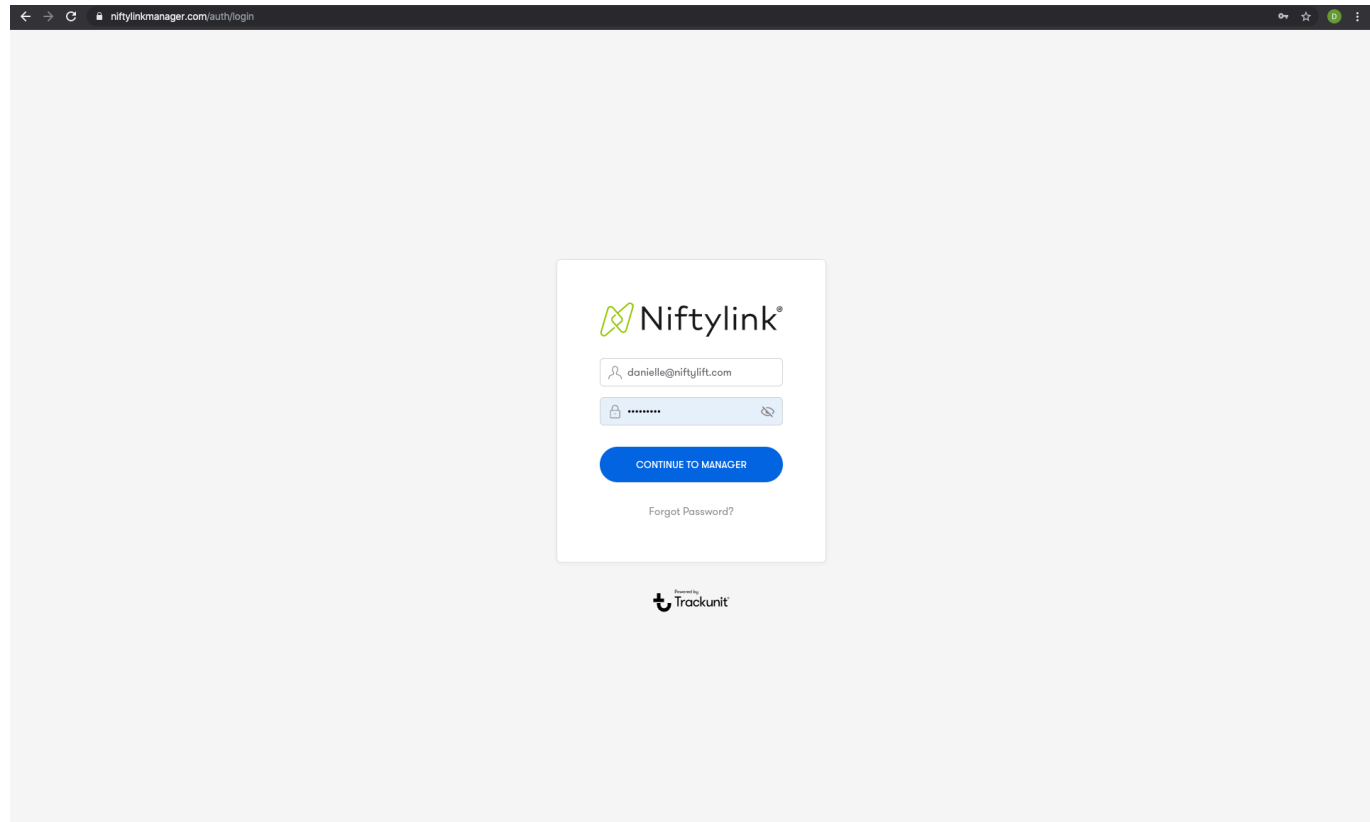


## Logging into the Niftylink Manager

1. Enter [www.niftylinkmanager.com](http://www.niftylinkmanager.com) in the URL
2. Enter your Username and Password.
3. Select 'CONTINUE TO MANAGER'.

### Forgotten your Password?

1. If you have forgotten your password, select 'Forgot Password' and you will be directed to the Trackunit website.
2. Follow the instructions provided to reset your Password.



## Niftylink Manager Toolbar

When you login to Niftylink Manager you will be presented with this screen. The Toolbar is your overview of all the different functions of Niftylink Manager and is always visible.

### 1. Fleet Home

Insights on the current fleet status and activity.

### 2. Fleet

A list of all the machines in your fleet.

### 3. Manager Classic

Create reports, schedule services and set alarms.

### 4. Fleet Inventory

Creates charts based on your machines data, e.g. Bar chart showing all your different machine models.

### 5. Exceptions

Overview of hours machines have worked in excess of a standard workday.

### 6. CAN Comparisons

Investigate and compare CAN parameter data across the fleet.



Niftylink®

### 7. Machines in need of attention

The number in the red alert box displays the number of machines that are in 'Critical' need of attention.

Select to view which machines are in 'Critical' need of attention.

### 8. Latest Messages

Select to view the most recent messages around your machines.

### 9. Language

Select to choose your language.

### 10. My Account

Select to view 'Terms & Conditions' or logout of Niftylink Manager.

The screenshot shows the Niftylink Manager dashboard. At the top, there is a search bar for 'Entire Fleet (30)' and a 'Find Machines...' button. Below this is the 'Fleet Home' section, which displays 'My insights on the current fleet status and activity.' and 'The page was last updated on December 9, 2019 1:59 PM'. The main content area features a 'Attention' section with a donut chart showing 2 Critical machines (red) and 28 Good machines (green). To the right of the chart is a map of Europe with several machine locations marked. Below the chart is an 'Alarms' section with 'Manager Classic alarms' and a table showing 'Active', 'Sounding', and 'Triggered today' counts, all currently at 0. On the left side, a vertical toolbar contains six icons, each numbered 1 through 6. At the top right of the dashboard, there are four icons: a red alert box with the number 7, a speech bubble with 8, a globe with 9, and a user profile with 10. The top right corner also displays '30 Machines Connected' and '98% Average Machine Score'.



## Fleet Home

Fleet Home presents you with an overview of the status, activity and location of all the machines in your fleet.

### 1. Attention / Activity

Displays how many of your machines need 'Critical' or 'Low' attention and how many are 'Good' (fully operational).

By selecting 'Activity', you can view how many of your machines are currently 'Working', 'Moving', 'Idle' or 'Stopped'.

### 2. Map

A 'Google Maps' overview of your entire fleet, showing you exactly where your machines are located.

When 'Attention' is selected in 'Attention / Activity' you can see the current status of each machine on the map.

When 'Activity' is selected in 'Attention / Activity' you can see the current activity of each machine on the map.

### 3. Alarms

Displays the number of machine alarms that are 'Active', 'Sounding' and have been 'Triggered today'. For information on setting up alarms, [see page 13](#).

Entire Fleet (29) Find Machines...

**Fleet Home**

My insights on the current fleet status and activity.  
The page was last updated on **January 22, 2020 3:03 PM**

**29** Machines Connected **98%** Average Machine Score

**1** Attention **Activity**

● Critical (1)  
● Low (1)  
● Good (27)

**3** Alarms  
Manager Classic alarms

Active	0 >
Sounding	0 >
Triggered today	0 >

Map Satellite Show in list (21)

Map data ©2020 GeoBasis-DE/BKG (©2009), Google, Inst. Geogr. Nacional Terms of Use



# Fleet

A list of all the machines in your fleet.

## 1. Fleet List

Organize your 'Fleet List' by selecting one of the following categories:

- Attention (Good, Low or Critical)
- Name
- Brand
- Type of machine
- Model
- Year of production
- Unit S.No
- VIN Number
- Specification score
- Activity (Working, Moving, Idle or Stopped)
- Total hours spent working

Your 'Fleet List' can be exported to Excel by selecting the icon in the top right-hand corner of the section.

Select an individual machine to view its Machine Data. For information on Machine Data, [see pages 6-12](#).

Attention	Name	Brand	Type	Model	Year	Unit S.No	VIN	Score	Activity	Total Hours
GOOD	SP64 2x4 MK2, 13/34565	Niftylift	AWP/Boom lift	SP64 2x4 MK2	2018	527993	22/34565	100	1	369h
GOOD	SP34 2x4 MK2, 13/34385	Niftylift	AWP/Boom lift	SP34 2x4 MK2	2018	528039	13/34385	100	0	206h
GOOD	SP34 2x4 MK2, 13/34613	Niftylift	AWP/Boom lift	SP34 2x4 MK2	2018	528018	13/34613	100	0	48h
GOOD	SP64 4x4 MK2, 13/35743	Niftylift	AWP/Boom lift	SP64 4x4 MK2	2018	532577	22/35743	100	0	22h
GOOD	SP64 4x4 MK2, 13/38493	Niftylift	AWP/Boom lift	SP64 4x4 MK2	2018	557838	22/39493	100	0	91h
GOOD	SP64 4x4 MK2, 13/38876	Niftylift	AWP/Boom lift	SP64 4x4 MK2	2018	527997	22/38876	100	0	168h
GOOD	SP34 2x4 MK2, 13/38096	Niftylift	AWP/Boom lift	SP34 2x4 MK2	2018	557840	13/38096	100	0	31h
CRITICAL	SP64 4x4 MK2, 13/33757	Niftylift	AWP/Boom lift	SP64 4x4 MK2	2017	528146	22/33757	100	0	357h
GOOD	SP64 4x4 MK2, 13/33759	Niftylift	AWP/Boom lift	SP64 4x4 MK2	2017	528245	22/33759	100	0	353h
GOOD	SP64 4x4 MK2, 13/33762	Niftylift	AWP/Boom lift	SP64 4x4 MK2	2017	528083	22/33762	100	0	356h

# Fleet

## Machine – Live Status

### 1. Map

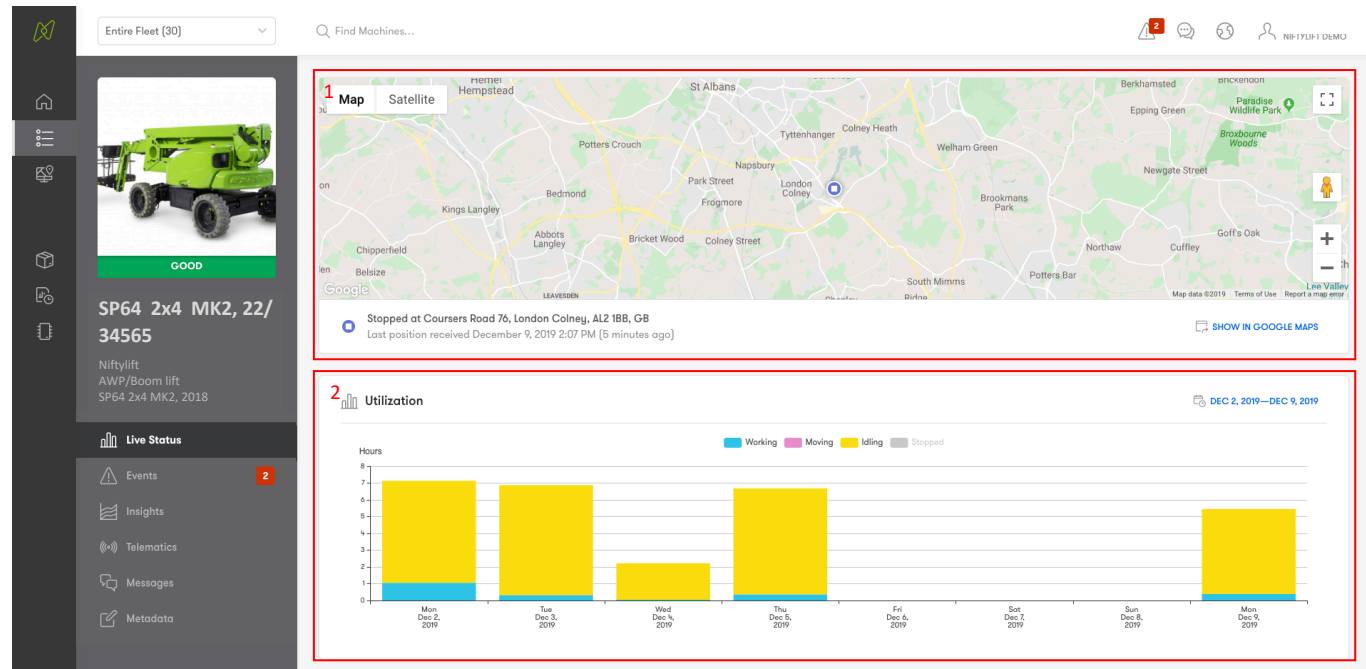
Shows you the exact location of the machine.

### 2. Utilization

Bar chart displaying the activity of the machine over the past 7 days.

You can change the date range in the top right-hand corner of the section.

By selecting a specific day you can see to-the-minute data on when the machine has been 'Working', 'Moving', 'Idling' or 'Stopped'.



# Fleet

## Machine – Events

### 1. Active Critical Events

Displays any 'Critical' events that the machine is currently experiencing.

### 2. Historic Events

Displays any events that have occurred.

### 3. Event Log

List of all events that the machine is currently experiencing or has experienced in the past.

Organize your 'Event Log' by selecting one of the following categories:

- Status (Open or Resolved)
- Date
- Type e.g. Machine Fault
- Description of the event
- Criticality (Critical or Low)

Your 'Event Log' can be exported to Excel by selecting the icon in the top right-hand corner of the section.

The 'Search events...' function allows you to search for a specific 'Description'.

Select an individual event to view the fault code, description of the fault and suggested action to resolve the issue.

For information on machine faults, [see page 8](#).

The screenshot displays the 'Events' section for a specific machine. The machine details on the left include the model 'SP64 2x4 MK2, 22/34565' and the type 'Niftylift AWP/Boom lift'. The main content area is divided into three sections:

- ACTIVE CRITICAL EVENTS (2):** Shows two critical machine faults occurring on Jan 10, 2020 at 2:56 PM. Both describe an 'Under voltage error on the VBBr (standard side) of the PLC.' with fault code 02009305.
- HISTORIC EVENTS:** A calendar view for 2019-2020 showing event occurrences as colored blocks across various months.
- Event Log (500):** A table listing all events, filtered by 'MACHINE FAULT'. The table includes columns for Status, Date, Type, Description, and Criticality.
 

Status	Date	Type	Description	Criticality
OPEN	Jan 10, 2020 2:56 PM	Machine Fault	There is a Under voltage error on the VBBr (standard side) of the PLC.	CRITICAL
OPEN	Jan 10, 2020 2:56 PM	Machine Fault	There is a Under voltage error on the VBBa (standard side) of the PLC.	CRITICAL
RESOLVED	Jan 10, 2020 2:54 PM	Machine Fault	B+ Undervoltage Cutback (Flash Code 23)	LOW
RESOLVED	Jan 10, 2020 2:54 PM	Machine Fault	There is an error with the Motor Controller.	LOW
OPEN	Jan 10, 2020 2:54 PM	Machine Fault	B+ Undervoltage Cutback (Flash Code 23)	LOW
OPEN	Jan 10, 2020 2:54 PM	Machine Fault	There is an error with the Motor Controller.	LOW
RESOLVED	Jan 10, 2020 2:54 PM	Machine Fault	B+ Undervoltage Cutback (Flash Code 23)	LOW
RESOLVED	Jan 10, 2020 2:54 PM	Machine Fault	There is an error with the Motor Controller.	LOW
OPEN	Jan 10, 2020 2:54 PM	Machine Fault	There is an error with the Motor Controller.	LOW

## Fleet

### Machine – Events – Machine Fault

#### 1. Fault Description

Displays a description of machine fault.

#### 2. Suggested Action

Suggests how you can resolve the machine fault.

#### 3. Fault Code

Displays the 'Fault Code'.

Jan 10, 2020 2:54 PM (12 days ago)

**LOW** Machine Fault



<sup>1</sup> B+ Undervoltage Cutback (Flash Code 23)

<sup>2</sup> **Suggested Action**  
Check battery state of charge. Check B+ and B- for loose connections or shorts. Check motor controller main supply fuse. If the problem persists, contact a Niftylift approved service centre.

<sup>3</sup> Fault Code  
**01540000**

# Fleet

## Machine – Insights

### 1. Insights Overview

Displays cleansed and structured data from different connectivity set-ups, e.g. Battery Voltage, Engine Hours and Altitude.

Select between 1-4 Insights to view this data as a graph. You can view the machine's entire history.

Your 'Insights Overview' can be exported to Excel by selecting the icon in the top right-hand corner of the section.

### 2. Advanced Sensors

Displays Advanced Sensor data coming straight from the CAN bus, e.g. Battery Temperature and Fuel Level.

The screenshot shows the Niftylink Fleet Insights Overview and Advanced Sensors interface. The left sidebar contains navigation options: Home, Insights (selected), Telematics, Messages, and Specification. The main content area is divided into two sections:

**1. Insights Overview**

This section displays a table of machine metrics with columns for Name, Value, Unit, Last 24 hours (with a graph), and Last updated. The data is as follows:

Name	Value	Unit	Last 24 hours	Last updated
Altitude	65.00	m		10 minutes ago
Battery Voltage	44.54	V		a month ago
Engine Hours (total)	126.00	h		10 minutes ago
Engine Running	No			10 minutes ago
Fuel Level	60.00	%		12 days ago
Total Vehicle Distance	0.68	km		10 minutes ago

**2. Advanced Sensors**

This section displays a table of advanced sensor data with columns for Name, Value, Unit, and Last updated. The data is as follows:

Name	Value	Unit	Last updated
ACT-01-Machine Active	0.00		12 days ago
ACT-02-Drive Active	0.00		12 days ago
ACT-03-Engine Running	1.00		12 days ago
ACT-04-Hybrid Boost Active	0.00		12 days ago
ACT-05-Hybrid Regen Active	1.00		12 days ago
ACT-06-Electric Active	0.00		12 days ago
ACT-07-Machine Charging	0.00		12 days ago



# Fleet

## Machine – Telematics

### 1. Device

Information about the Trackunit device connected to your machine.

### 2. Status

Real-time information on the Trackunit device:

- Unit power supply
- Unit internal battery level
- Unit internal battery percentage
- GPS satellites

### 3. Connections

Physical inputs of the Trackunit device displaying when the machine is 'On' and 'Active'.

The screenshot displays the Niftylink Telematics interface for a specific machine. The interface is divided into three main sections, each highlighted with a red box and a number:

- 1. Device:** This section provides basic information about the device:
 

Device Type	Serial Number	Production Date
TU501	528073	2016-11-15
- 2. Status:** This section shows real-time status indicators:
 

Power supply	Battery level	Battery percentage	GPS Satellites
61.5V	4.1V	90%	8
- 3. Connections:** This section displays the status of various physical inputs:
 

Machine Active	Machine On	N/C	N/C	Output
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

The interface also includes a sidebar with navigation options (Home, Fleet, Alerts, Live Status, Events, Insights, Telematics, Messages) and a top navigation bar with a search function and user profile.

# Fleet

## Machine – Messages

### 1. Messages

Keeps track of any messages around a specific machine by anyone using Niftylink Manager or the Niftylink Go app.

### 2. Attach

Attach an image/video in your message by selecting the image icon in the bottom right-hand corner.

The screenshot displays the Niftylink interface for a specific machine. On the left, a sidebar contains navigation options: Live Status, Events (with a red '2' notification), Insights, Telematics, Messages (highlighted), and Metadata. The main area shows a machine card for 'SP64 2x4 MK2, 22/34565' with a 'CRITICAL' status. Below the card, a 'Messages' section is highlighted with a red box, showing a conversation:

- Andy Ring (01/01/2020): Hi, I'm following this machine and a few faults just popped up.
- [User]: I got the notification alerts too, I am just looking into what might have caused them.
- [User]: OK, it seems as if there may be a loose connection on one of the drive solenoids.
- Andy Ring (01/01/2020): Well I am not far away, I could take a look after I've finished my current job?
- [User]: That would be great, when do you think you would be there?
- Andy Ring (01/01/2020): Not sure exactly yet, how critical is it?
- [User]: The machine hasn't been active in a while but it would be worth seeing if you could get there in the next few hours. I will call the customer to let them know.
- Andy Ring (01/01/2020): No problem, I'll sort it.

At the bottom right, a text input field is visible with an attachment icon (image) and a send icon (paper plane), both highlighted with red boxes. The attachment icon has a red '2' notification badge. The text input field shows '0 / 300' characters.

# Fleet

## Machine – Specification

### 1. Machine Specification

This section displays all the information about your machine including:

- Name
- Machine type
- Year of production
- Brand
- Model
- VIN

This data is automatically filled when you purchase a Niftylift or retrofit your machines with Niftylink.

The screenshot displays the Niftylink Machine Specification interface. On the left, a sidebar contains navigation icons and a list of options: Live Status, Events, Insights, Telematics, Messages, and Specification (highlighted). The main content area shows a machine image with a 'GOOD' status, followed by the machine details: 'SP64 4x4 MK2, 22/42294', 'Niftylift AWP/Boom lift', and 'SP64 4x4 MK2, 2019'. The 'Machine Specification' form is highlighted with a red border and contains the following fields:

- Edit Machine** (Section Header)
- Name:** SP64 4x4 MK2, 22/42294
- Brand:** Niftylift
- Type:** AWP/Boom lift
- Model:** SP64 4x4 MK2
- Production Year:** 2019
- VIN:** 22/42294

At the bottom right of the form are 'UNDO' and 'SAVE' buttons. To the right of the form is a 'Machine Score' section showing a score of 100, with a note: 'Machine score is based on how many of the fields are filled in. The more, the higher the score.'

## Manager Classic

Manager Classic encompasses all features that enable Fleet Managers to set up and manage customers and machines, schedule services and create reports.

### 1. Support

Select 'Support' to view video tutorials on all the functions of 'Manager Classic' including:

- Create reports
- Schedule services
- Set up alarms
- Set up access control

### 2. Manager Classic User Manual

Select to view the Manager Classic User Manual which explains in detail how to use all the functions of Manager Classic.

This is a separate document to the 'Niftylink Manager User Guide' you are currently reading.

The screenshot displays the Niftylink Manager Classic web interface. At the top, there is a search bar for machines and a navigation menu with tabs for Map, Reports, Service, Alarms, Pre-checks, Settings, and Support. The 'Support' tab is highlighted with a red box and a red '1'. Below the navigation, there are several sections: FMS (User Interface), Map (Introduction, The unit overview, Create zone on map, The text overview, Show route on map), Service (Introduction, Approve service, Create service e-mail, Add service to unit), Alarms (Introduction, Alarms in alarm mode, Alarm by inputs, Alarm by unit state, Alarm by movement, Alarm by geofence, Alarm by zone), Access control (Introduction, Add key, Assign key to unit), and Settings (Introduction, Naming and activating, Add group, Add user, Add category). A red box with a '2' highlights the 'User manual' link in the top navigation bar.

# Fleet Inventory

Fleet Inventory takes data on your machines and puts this into easy-to-read charts. The charts can be filtered to only include specific brand, type, age or model of machines.

## 1. Brands

Chart displaying the number of different machine brands in your fleet.

## 2. Types

Chart displaying the number of different machine types in your fleet.

## 3. Age Distribution

Chart displaying the age of all the machines in your fleet.

## 4. Models

Chart displaying all the different machine models in your fleet and the quantity of each model.

## 5. Machines

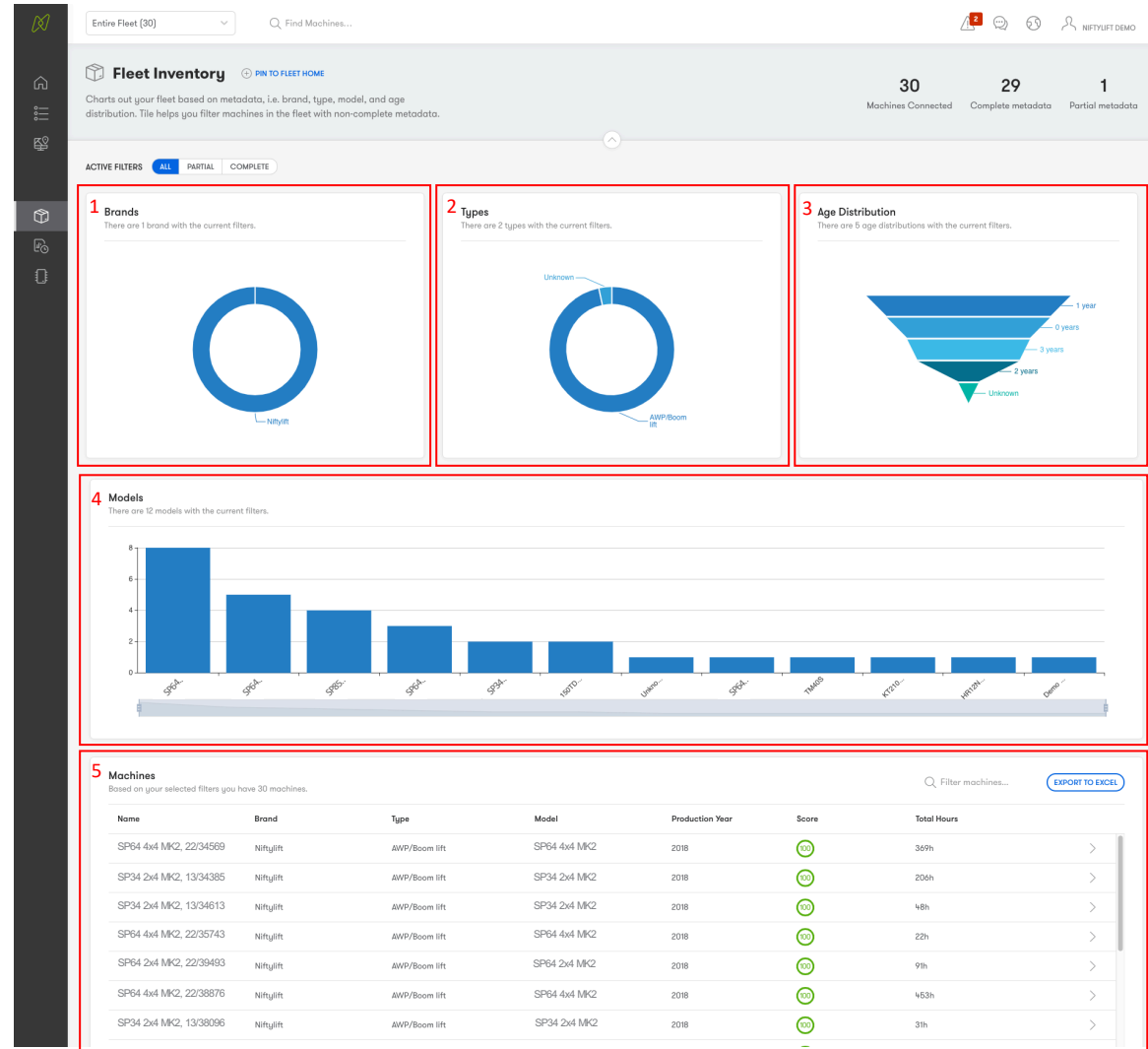
A list of all the machines in your fleet.

A list of machines that you can organize by the following categories:

- Name
- Brand
- Type
- Model
- Year of production
- Specification score
- Total hours worked

The 'Filter machines..' function allows you to filter the list by categories.

'Machines' can be exported to Excel by selecting the icon in the top right-hand corner of the section.



# Exceptions

Exceptions is an overview of all your machines that have worked over their allowed daily usage, e.g. Machines that worked for 9 hours when they should only have worked for 8.

### 1. Usage

Orange bar: Displays the number of hours that machines worked in excess of a standard workday.

Grey bar: Displays the number of machines that worked in excess of a standard workday.

Allowed daily usage can be changed to 1, 7, 12 and 24-hours per day.

### 2. Machines

List of any machines that worked in excess of a standard workday.

'Machines' can be exported to Excel by selecting the icon in the top right-hand corner of the section.

### 3. Individual Machine

Select a specific machine to see which days it worked in excess of a standard workday.

Entire Fleet (30) Find Machines... NIFTYLIFT DEMO

**Exceptions** PIN TO FLEET HOME

Overview of hours worked in excess of a standard/predefined work day. Tile helps you set a threshold and calculate total excess hours.

1 hr 2 Excess time last week Exceptions

ALLOW DAILY USAGE 8 hours per day SELECT PERIOD Last Week

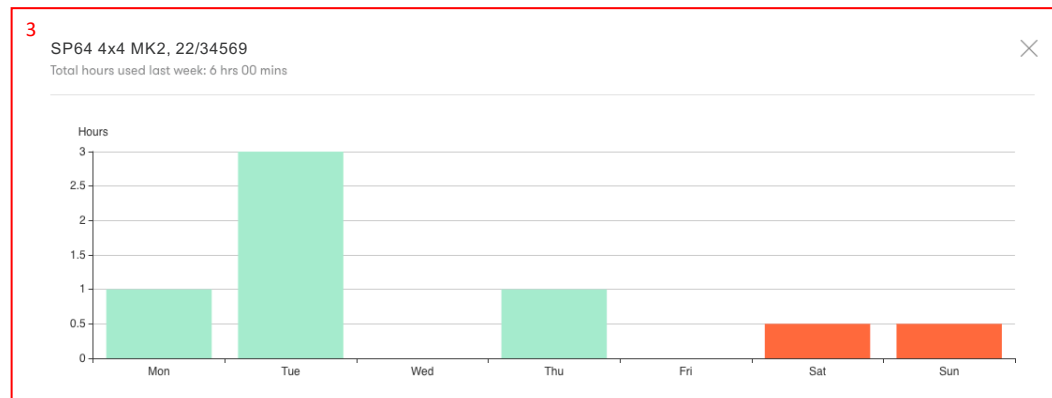
**1 Usage**

Hours

Day	Excess Hours (Orange)	Machines (Grey)
Mon Dec 2, 2019	0	0
Tue Dec 3, 2019	0	0
Wed Dec 4, 2019	0	0
Thu Dec 5, 2019	0	0
Fri Dec 6, 2019	0	0
Sat Dec 7, 2019	0.5	1
Sun Dec 8, 2019	0.5	1

**2 Machines** Filter machines... EXPORT TO EXCEL

Name	Brand	Type	Model	Working Time	Exceptions	Excess time
SP64 4x4 MK2, 22/34569	Niftylift	AWP/Boom lift	SP64 4x4 MK2	6 hrs 00 mins	2	1 hr 00 mins





**niftylift**



**Niftylink**<sup>®</sup>  
Manager

---

If you need any technical support, contact us.

Phone 1-800-NIFTYLIFT (1-800-643-8954)

Email [serviceusa@niftylift.com](mailto:serviceusa@niftylift.com)

[www.niftylift.com/usa/niftylinksupport](http://www.niftylift.com/usa/niftylinksupport)

 Powered by  
**Trackunit**<sup>®</sup>  
IS-01