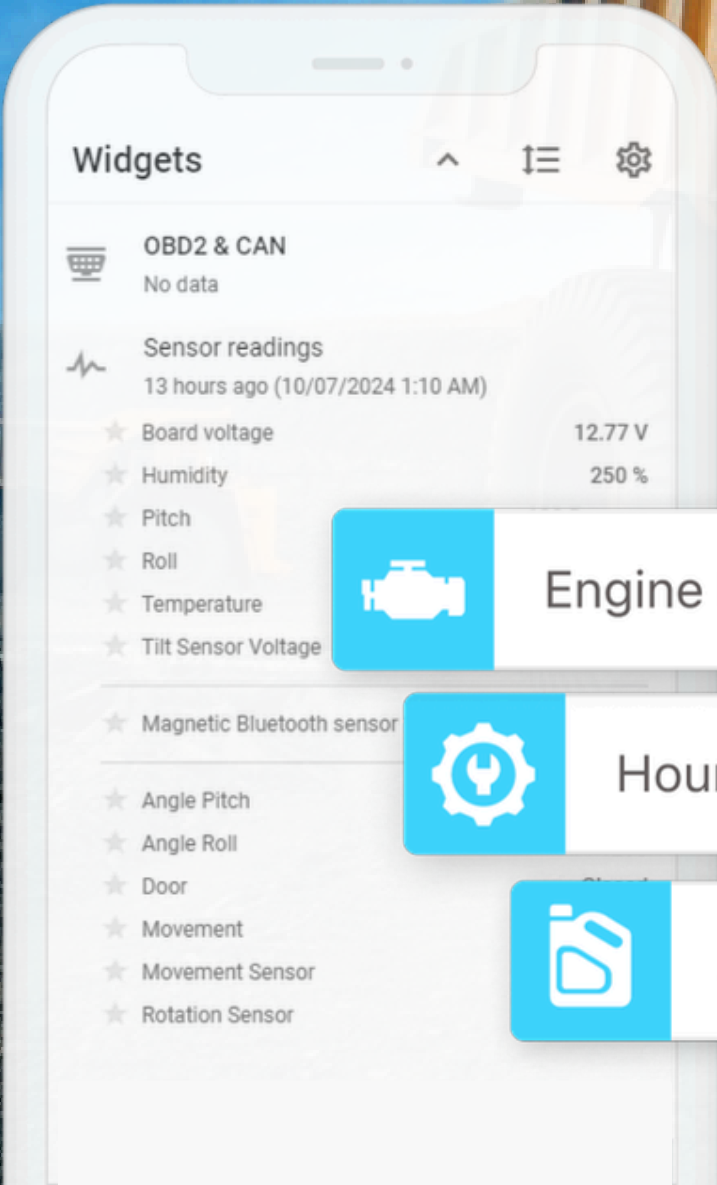




How to increase efficiency of Heavy machinery telematics?



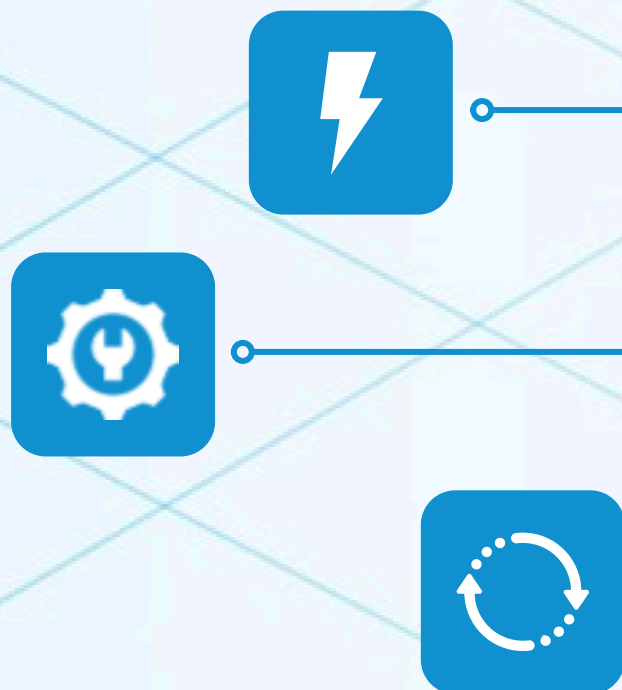
Engine Hours453 Hrs

Hours To Service90 Hrs

Adblue Level95.6 %

Navixy's key features and benefits for heavy machinery:

- ✓ Comprehensive equipment monitoring
- ✓ Maintenance planning and efficiency
- ✓ Diagnostics and fault detection
- ✓ Fuel and emissions management
- ✓ Safety and environmental monitoring



Comprehensive real-time equipment monitoring

Coolant temperature & battery voltage:

monitor critical metrics to prevent damage

Engine hours:

track total engine hours for maintenance scheduling

Example: "JCB" machine has run for 453 hours, coolant at 90°C, battery at 12.17 V

The screenshot displays a web-based monitoring interface. On the left is a dark sidebar with navigation links: Demo User (ID: 43568), Overview, Tracking (highlighted), Geo links, Reports, Fleet management, and Field service. The main area features a map with a list of 'Objects' on the left, including CAT, DTC (checked), JCB, Komatsu, Liebherr, and Suction Machine. A 'Street view' window is open over the map. A 'Widgets' panel on the right shows real-time data for the selected JCB machine:

- OBD: Coolant temperature**: 90 °C
- OBD: RPM**: 0 rpm
- Voltaje a Bordo**: 12.17 V
- OBD: Distance with MII on**: 0 km
- Engine Hours**: 453 Hrs

Below the widgets, a 'Sensor readings' section shows data from 20 hours ago (10/06/2024 5:36 PM):

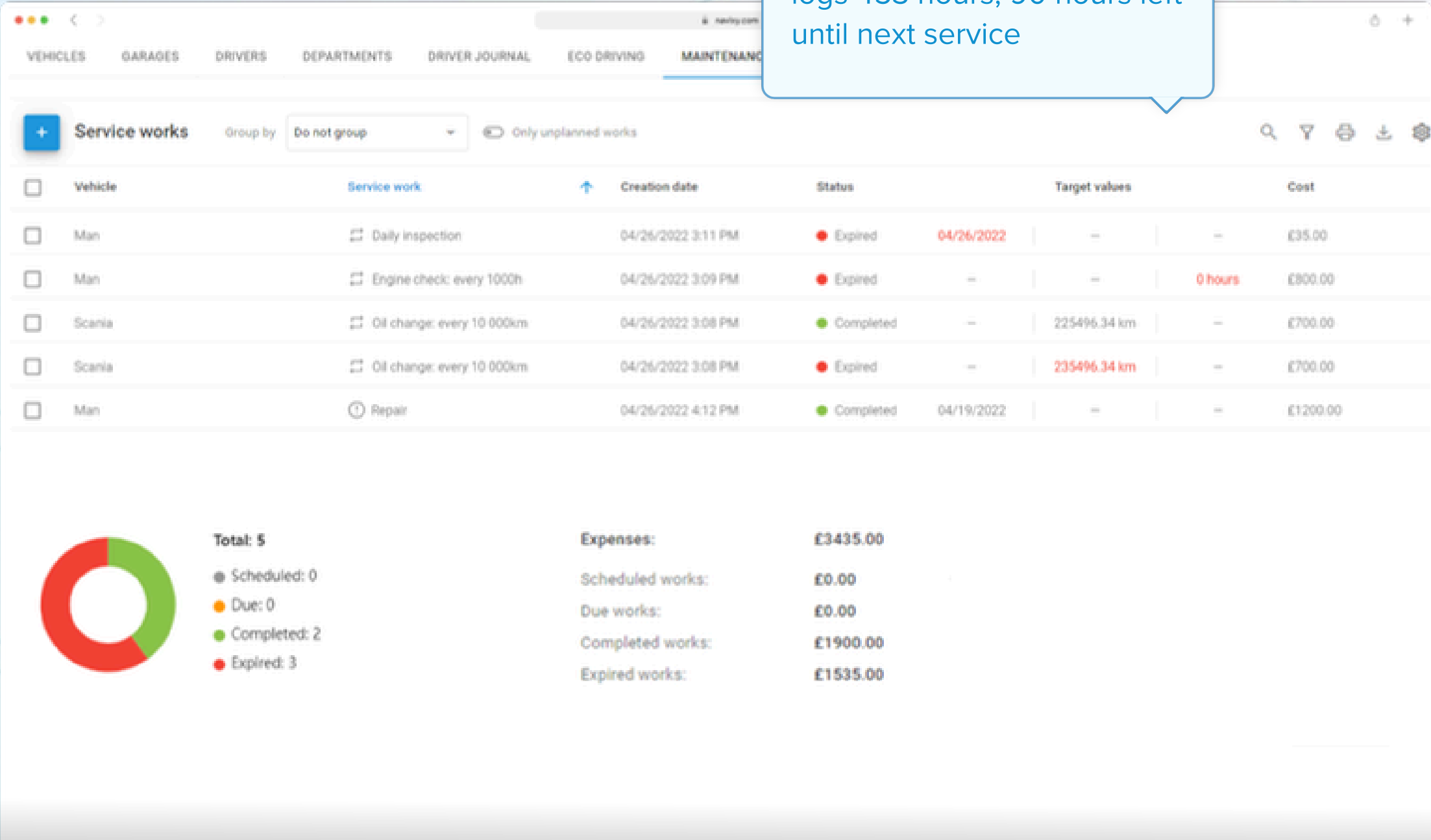
- Mileage**: 43495.36 km
- Voltaje a Bordo**: 12.17 V
- DTC**: 7

Maintenance planning and efficiency

1. Track engine hours to schedule servicing

2. Service intervals: plan maintenance to avoid disruptions

Example: "JCB" machine logs 453 hours, 90 hours left until next service



Diagnostics and early fault detection

Diagnostic trouble codes:

help technicians to diagnose and resolve issues.

Example: "DTC" machine reports C0616, P0562, U3006 codes

The screenshot displays a fleet management software interface. On the left is a dark sidebar with navigation options: Demo User (ID: 43568), Overview, Tracking (highlighted), Geo links, Reports, Fleet management, Field service, Alerts, Messages, and Device activation. The main area features a map with an 'Objects' panel on the left containing a 'Quick search' bar and a list of machine groups: CAT, DTC (checked), JCB, Komatsu, Liebherr, and Suction Machine. Each group has a status indicator (orange, green, or blue dot). On the right, a 'DTC' panel shows a street view image and a 'Widgets' section. A blue notification bubble with an exclamation mark is overlaid on the DTC panel, displaying the text: 'DTC C0616,P0562,P0606,U3006,U3007'. The widgets section includes 'OBD2 & CAN' data (20 hours ago, 10/06/2024 5:36 PM) with values for Coolant temperature (83 °C), Fuel (85.10 L), and RPM (0 rpm); 'Sensor readings' (20 hours ago, 10/06/2024 5:36 PM) with values for Mileage (43495.36 km), Voltage a Bordo (12.17 V), and DTC (7).

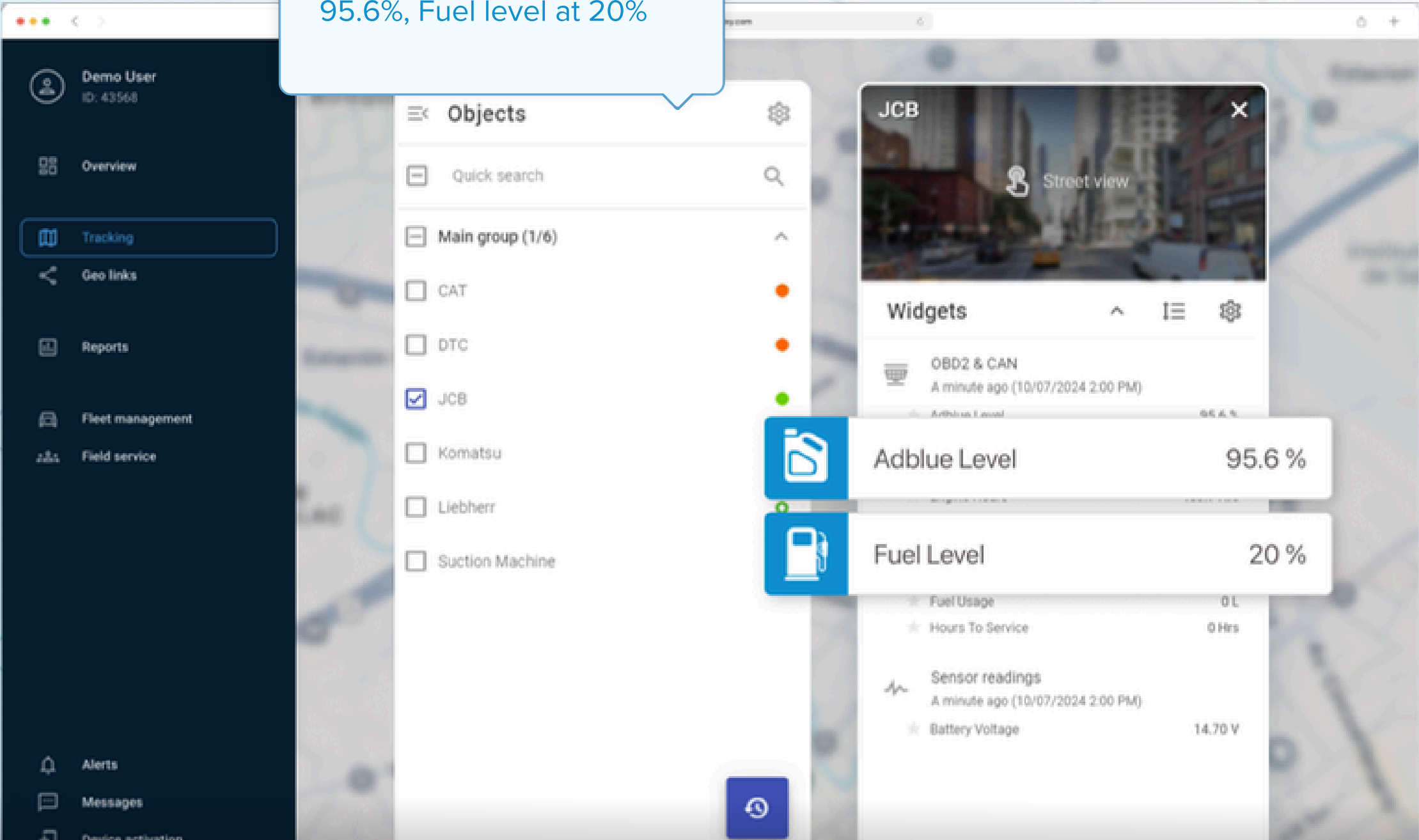
Category	Item	Value
OBD2 & CAN 20 hours ago (10/06/2024 5:36 PM)	OBD: Coolant temperature	83 °C
	OBD: Fuel	85.10 L
	OBD: RPM	0 rpm
Sensor readings 20 hours ago (10/06/2024 5:36 PM)	Mileage	43495.36 km
	Voltage a Bordo	12.17 V
	DTC	7

Fuel and emissions management

Adblue level monitoring:
ensure emissions compliance

Fuel level tracking:
prevent operational interruptions by refueling in advance

Example: Adblue level at 95.6%, Fuel level at 20%



Monitoring equipment position and safety

Example: "Liebherr" machine reports rotation sensor readings

Boom angle & tilt monitoring:
track the position of machinery components to detect abnormal values to prevent accidents

Movement and rotation sensors:
monitor machinery use and ensure safe operation



Read the full article

on our blog post

