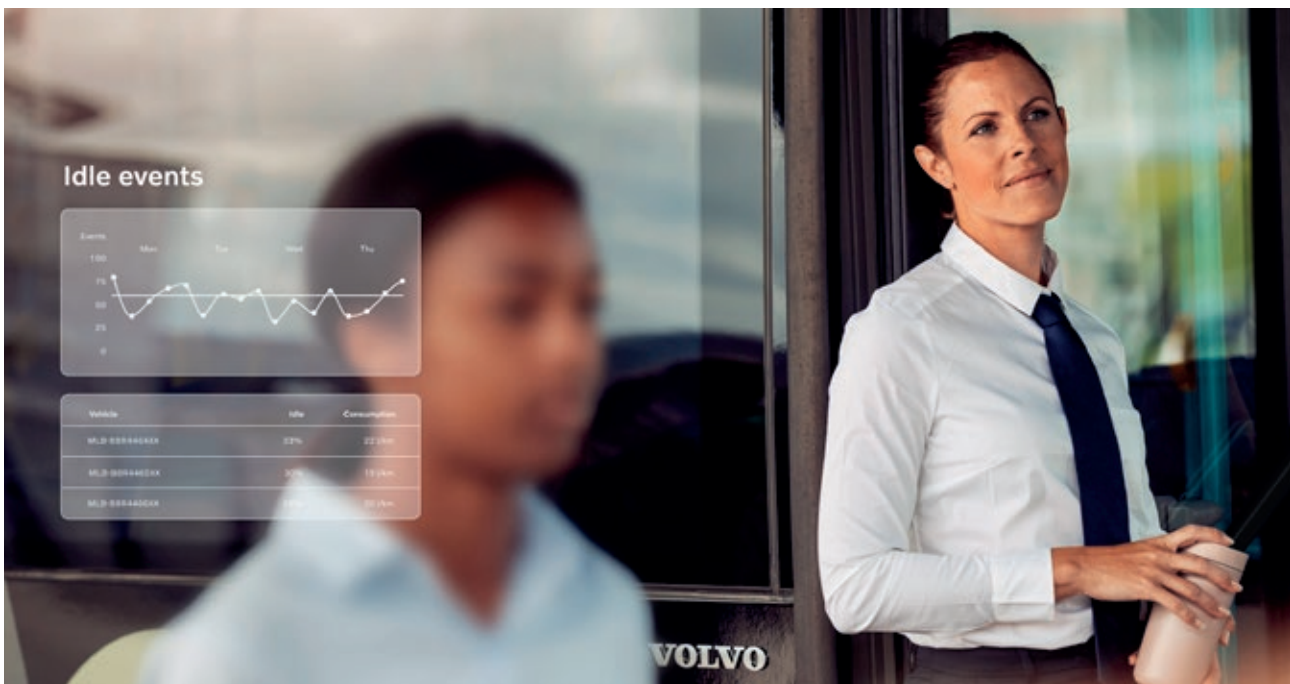


Volvo Connect Services

Idless

Excessive idling leads to unnecessary fuel consumption and engine wear, increasing costs over time. The Idless service will help you keep track, find the anomalies and take the actions needed to reduce the drawbacks caused by excessive idling.



Idling – more than you think

Did you know that approximately 30% of the engine-on time is spent on idling. Some idling is unavoidable, but much of it is simply costly and unproductive. The Idless service will help you take control and reduce your costs for fuel and engine wear.

What it is

Idless is part of Volvo Connect and collects, processes and compiles data from your vehicles, and presents it directly on-screen. You'll see where and when excessive idling occurs, as well as which vehicles have the highest idling times and fuel consumption.

Your main benefits

Using Idless will help you reduce fuel consumption, emissions and engine wear, thus cutting operational cost. It will also help to comply with local regulations on idling in city centers and other areas sensitive to pollution from exhaust emissions.

More than fuel savings

Cutting idling time is primarily about reducing fuel consumption and costs. But the reduction comes with positive side effects. The engine will last longer and both exhausts and noise are reduced as well. So, there are several good reasons to cut idling time.

Find the hidden costs

Idling is a telling example of a hidden operational cost. The main savings are on fuel, but the reduced engine wear will reduce maintenance cost and extend the vehicle's service lifetime.

The figures below are based on data from more than 10,000 connected vehicles.



~30% of engine-on is spent idling



~2000 litres per vehicle per year



Extending vehicle lifetime

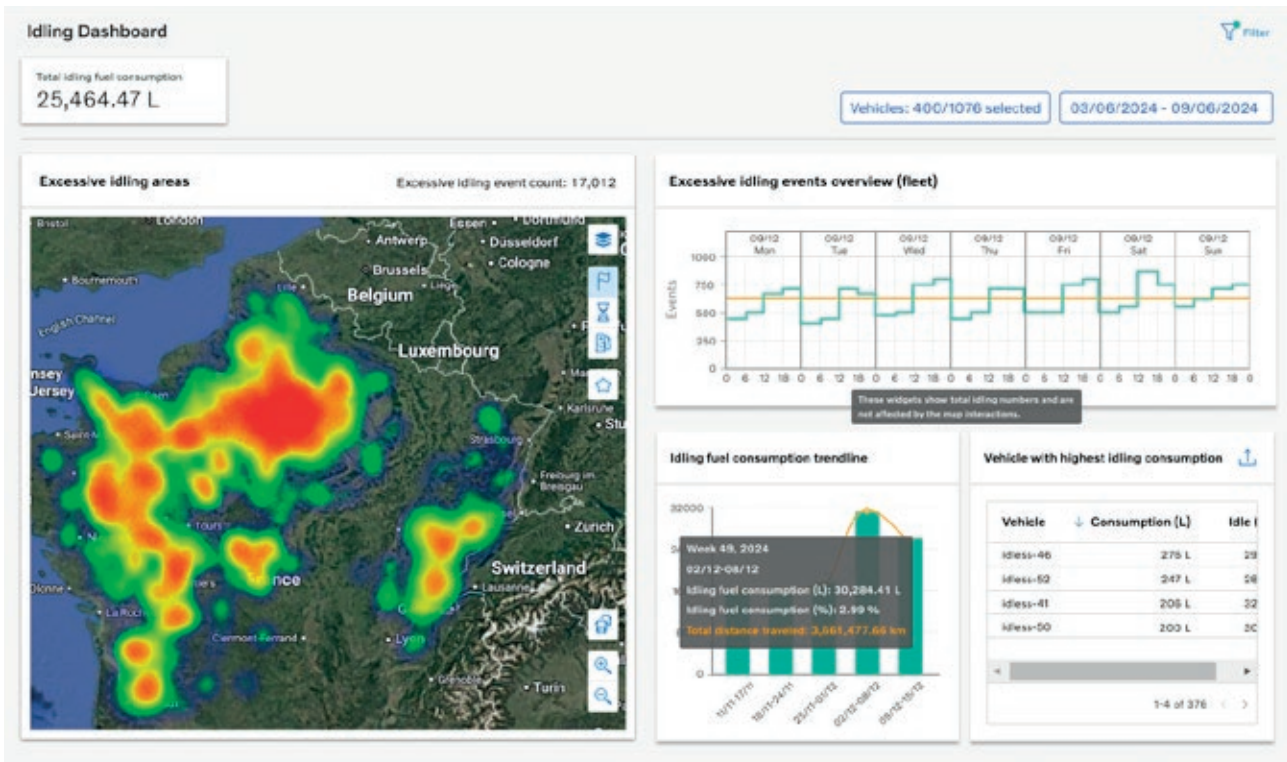


~7% of total amount of fuel is consumed idling

The Idless analysis toolbox

The Idless service can be found on the Volvo Connect main page under the Idless widget. It requires that the services Events and Reports are activated. Entering Idless opens the dashboard. The dashboard gives an immediate overview of idling-related data, for the selected period of time and the selected vehicles:

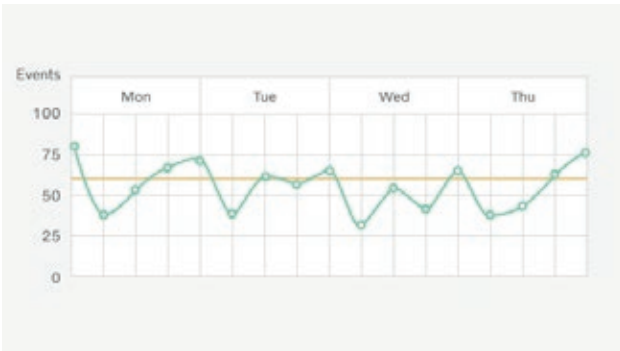
- Total amount of fuel consumed while idling
- Heatmap (where does the idling occur)
- Graph showing idling patterns (idling events)
- Trendline of idling
- Vehicles in fleet with highest idling





The map view – where and how much

In the map view, we display idle areas based on idling events. You can choose to view the number of events, idling time, fuel consumption or a heat map, color-coded to show the frequency of the events. Zooming in on the map, you'll be able to find information about which vehicles the events belong to.



Idle times overview

In this view, you can see when idling has occurred, including the time and day of the week. It's also related to the map, and will dynamically show data related to the vehicles on the map only. If you zoom in or out, it will change accordingly.



Idling fuel consumption trendline

In this window, you can see the fuel consumption trend of the past five weeks. The green bars represent fuel consumption, and you can also find the percentage of fuel spent on idling. The yellow line shows the kilometers traveled in that week, providing a way to crosscheck the relation with idling.

Vehicle	Idle	Consumption
MLB-B8R4465XX	33%	22 l/km
MLB-B8R4465XX	30%	19 l/km
MLB-B8R4465XX	29%	19 l/km
MLB-B8R4465XX	28%	18 l/km

Vehicles with the highest idling consumption

Here, you'll have a list of all the filtered vehicles, sorted by the highest idling fuel consumption. This makes it easy to identify the ones that need more attention. Is it driving style or is it a vehicle issue? For analysis, you can save the list as an Excel file.