

Incident ID

e23331db-40d7-4b4a-888a-a67af46cb379

Date, time

05/08/2025, 09:42 PM GMT -5

License plate 1519386-1

VIN 4T1G11AK0RU852903

Device ID c9523a1dae7231e

Vehicle brand Toyota

Vehicle model Camry 8 XV70

Home location Bloomington MN

Smoke details



Start

05/08/2025, 09:42 PM GMT -5



Duration

1:59 min



Total smoke

11,781.00 $\mu\text{g}/\text{m}^3$ 

Background air quality

14.35 $\mu\text{g}/\text{m}^3$ 

GPS position

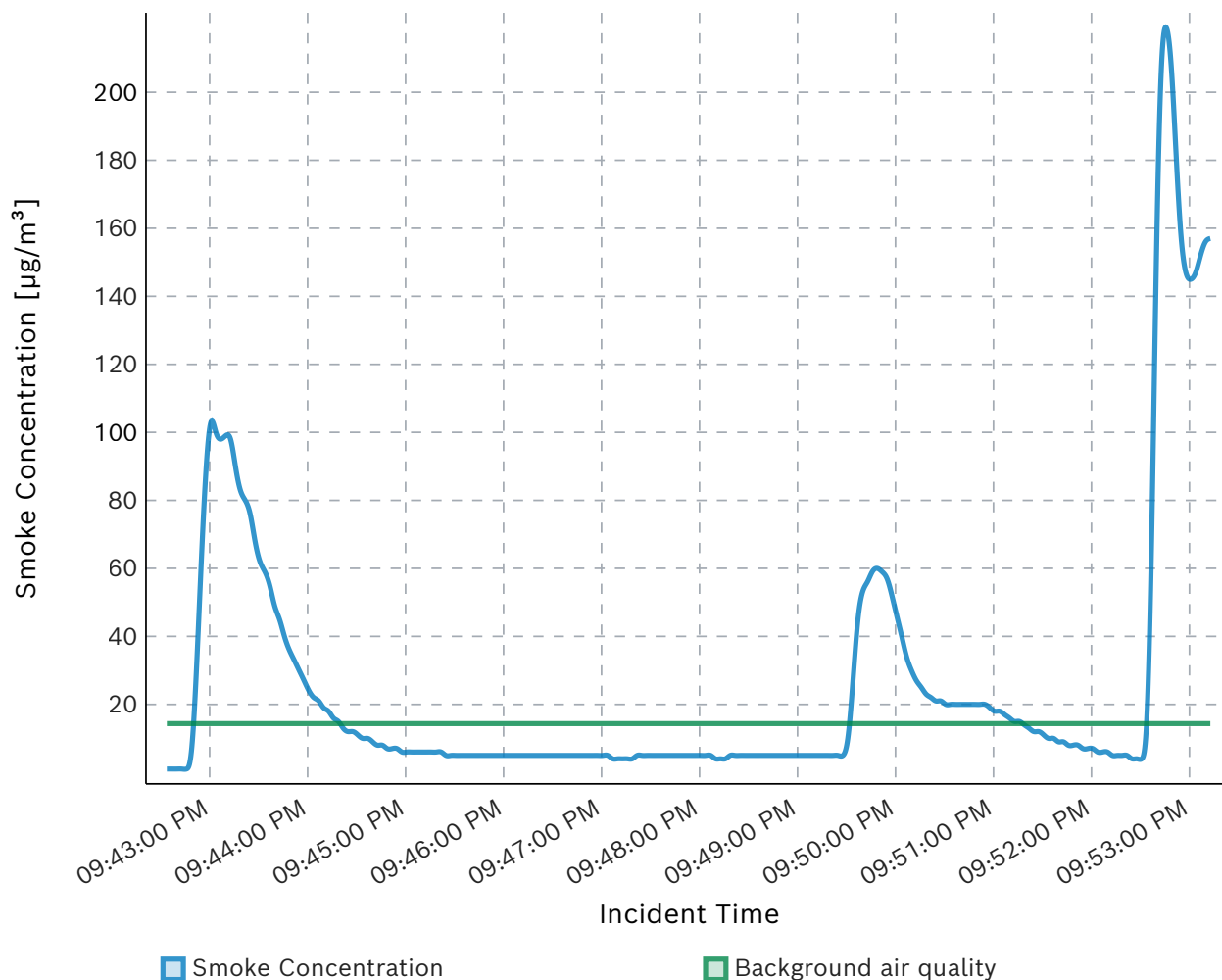
44°51'21.8"N 93°18'38.2"W



Speed*

77 mi/h

*Speed extracted by the GPS signal - variations possible



The Bosch smoke detection works by considering the following parameters:

Particle detection

- The device can detect the smoke of a cigarette, vaping device or similar products by measuring an increase of particle levels in the vehicle for at least 30 sec.
- The device can distinguish between different sizes of particles and therefore identify particles that are typical for smoking.

Comparison of particles detection to background air quality

- The device frequently examines the air in the vehicle and establishes the background air quality, therefore changes in the air quality outside of the vehicle are taken into consideration.
- The increase of particles must be significant to be considered a smoke event.

Duration of the event

- If several smoke events happen in a timeframe of 10 minutes, they are summarized into one event.

Additional considerations

- Any person smoking in the vehicle can trigger a smoke event. This is not limited to the driver only.
- After detecting a smoke event, Bosch provides smoke event data to the fleet owner, but neither implies any actions towards end-customers nor gives decision-making advice.
- At no point in time the device provides information about the number or identity of people in the vehicle.
- Based on the provided smoke event data in connection with timestamp and license plate, the fleet owner can map the information to the respective end-customer.

How to read the event data and the smoke graph?

- The blue line shows the number of particles detected throughout the smoke event.
- The green line shows the background air quality before, during and, and after the smoke event (background air quality represents the quality of the air measured before the detection of the smoke event).
- The background air quality is typically expected to be close to 0.

This document was issued electronically and is therefore valid without signature.

Yours sincerely
Robert Bosch GmbH