Volvo’s electric trucks reach 80 million kilometers in five years

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Volvo’s electric trucks have driven more than 80 million kilometers or 2,000 laps around the world since Volvo launched its first electric truck models in 2019. These trucks have reduced CO2 emissions and at the same time improved the working environment for drivers significantly.

New monitoring data for Volvo’s fleet of electric trucks reveal that they have driven more than 80 million kilometers in commercial traffic around the world since 2019. Covering the same distance with equivalent diesel-powered trucks would have consumed more than 25 million liters[1] of diesel and tailpipe carbon dioxide emissions have been reduced by 68,000 tons[2].

“I am happy to see how transport companies are embracing the benefits with electric trucks in daily operations. The transport sector represents 7% of global carbon emissions and battery-electric trucks is an important tool to reduce the climate footprint. Thanks to many early adopters we can already now see the huge potential with this technology”, says Roger Alm, President Volvo Trucks.

5 years of electric know-how

Volvo’s early entry in the electric truck segment has built a unique expertise in electric zero-emission transport – learnings that are used in the development of Volvo’s next-generation electric offers.

- It pays off to be an early adopter – transport companies with electric trucks have a strong competitive advantage when being able to offer emission-free transport to transport buyers
- Maximizing the utilization of the investment in both the electric truck and charging infrastructure builds a strong business case for transport companies – by optimizing logistics and driving routes, and sharing charging facilities between operators
- The benefits of electric trucks go beyond the environmental gains – drivers are

experiencing a significantly better working environment with much lower levels of noise and vibrations

Growing electric presence globally

Volvo Trucks' global deliveries of electric trucks increased by 256% to 1,977 trucks in 2023 and the company sees continued interest from customers in 2024. In Europe, more than half of the electric truck customers chose a Volvo during the first quarter of this year – Volvo's share of the electric truck segment was 56%. In the United States, Volvo represented 44% of all sold electric trucks.

Volvo has so far delivered more than 3,500 electric trucks to customers in 45 countries on six continents. During 2023, Volvo Trucks expanded its electric truck presence as it delivered its first heavy-duty electric trucks to Latin America, with vehicles going to customers in Brazil, Chile, and Uruguay. Volvo also became the first truck maker to deliver battery-electric heavy trucks in Morocco, South Korea, and Malaysia.

"Not only transport companies but also buyers of transport- and logistic services are signing up to SBTi – Science Based Target initiative – and are starting to demand sustainable transport solutions from their providers. This is yet another driver of the shift to electric trucks", says Roger Alm.

Battery-electric trucks for all transport needs

Volvo's electric trucks meets the needs in a wide range of applications – from urban distribution and waste management to regional haul and construction. Over the five years of electrification, Volvo has also built a strong expertise in optimizing the use of installed energy, charging and servicing of electric trucks.

From 2019 until today, Volvo Trucks has gradually expanded its electric offering to today's range which includes eight fully electric trucks.

The Volvo electric truck models on offer are the Volvo FL Electric, FE Electric, FM Electric, FM Low Entry, FMX Electric, FH Electric, FH Aero Electric and the VNR Electric. The top seller is the Volvo FH Electric which recently was selected for the prestigious International Truck of the Year Award for 2024.

(VOLVO)

[1] based on customer data for the same model mix of equivalent diesel-powered trucks.

[2] *according to well-to-wheel calculations in GLEC framework v3*