

STORY

Volvo CE empowers customers with industry's most extensive catalogue of Product Carbon Footprint reports

Volvo CE is leading sustainable change by disclosing the industry's most extensive catalogue of Product Carbon Footprint (PCF) reports - making it easy for customers to take active steps to reduce their environmental impact. The reports confirm that electric machines are a more sustainable choice compared to conventional diesel machines, when looking at greenhouse gas emissions over their entire life cycle.



The Product Carbon Footprint reports reveal that electric machines are a more sustainable choice than diesel.

Determined to be at the forefront of the industry decarbonization transformation, Volvo CE is publishing its PCF reports providing vital data for customers to understand their complete emissions and take action to reduce their own carbon footprint. Volvo CE is also sharing its PCF methodology on its company website, showing how data can be used to drive change. By doing this, Volvo CE is delivering a real and proven framework in which to move collectively towards global and national climate goals.

The detailed methodology, developed in-house by Volvo CE experts, works by analyzing the carbon footprint of every aspect of a product's life – incorporating both traditional and electric machines across the company's far-ranging portfolio. It covers all steps from the extraction of raw materials, component manufacturing and machine assembly, through to recycling and end-of-life. The principles of the methodology are based on two global standards: the global ISO standard for Life Cycle Assessment and the Green-house Gas Protocol.

Knowledge is power

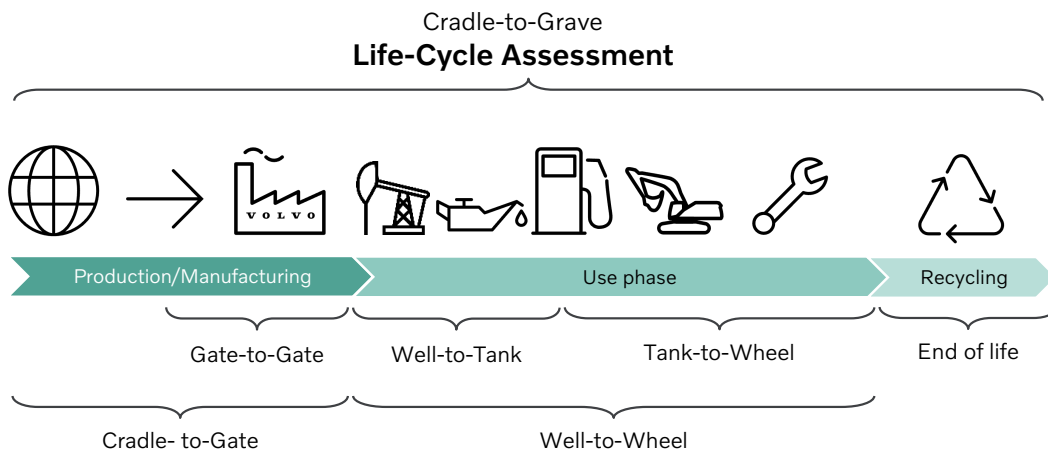
The numbers are translated into a report for each product, providing a simple baseline from which to then take action to decarbonize. This is essential information for customers, who make choices on which equipment to use in their projects, as well as for Volvo CE who has the ambition to reach net zero greenhouse gas emissions in its entire value chain by 2040. To achieve those results, long-term, stepwise year-to-year actions are required by all stakeholders in the value chain. This is a tool to both measure progress and make decisions that drive actions in the right direction.



Rickard Alm

Rickard Alm, Head of the Life Cycle Assessment (LCA) program at Volvo CE, said: “Customers are now rightly looking with absolute scrutiny at carbon performance – on a par with other considerations like cost and quality. With our Product Carbon Footprint reports, we are making it easier to have quick access to the information needed and enabling them to act on their decarbonization ambitions.

“We are proud to be at the forefront with the most extensive PCF analysis available today in the construction industry to ensure the right choices are made now to deliver on our sustainable transformation.”



A catalogue open for all

The work of the Volvo CE LCA program is constantly evolving. For the PCF analysis, this means the number of product reports is continuously expanding, prioritized mainly based on sales volume. Today, customers can visit the Volvo CE website and download PCF reports on both conventional articulated haulers, wheel loaders and excavators, as well as selected electric offerings, such as the ECR25 Electric and EC230 Electric excavators.

The reports also demonstrate that electric machines are a more sustainable choice over their entire life cycle when compared to diesel.

“Depending on the energy mix used to charge the batteries, the emissions from the use phase of an electric machine are reduced by up to 95%,” says Rickard. “While battery manufacturing results in a

higher carbon footprint for electric machines during the production phase, when compared to diesel, overall carbon emissions for an electric machine are still reduced 80-90% over the entire life cycle.”

The LCA program forms part of a wider sustainability approach by Volvo CE, that also includes implementing low-carbon materials and moving to more fossil fuel-free alternative drivelines, such as those provided by its commercial line-up of [electric machines](#) and charging solutions.

The methodology used to produce these reports can be brand-agnostic and is open for any other OEM to explore and implement. As new legislations come into effect, the calculations used within the methodology will continue to be reviewed to ensure accuracy.

To access the PCF reports and learn more about the methodology, visit:

<https://www.volvoce.com/global/en/products-and-services/environmental-declarations/>.

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Volvo Construction Equipment (Volvo CE) is a global leader in construction solutions, delivering premium products and services that combine power and performance with a more sustainable way of working. We are a company driven by people and together we have a purpose: To build the world we want to live in. Founded in 1832 and with a distribution network across every major market, our many dedicated experts around the world are fulfilling our shared purpose through a focus on sustainability, electromobility and services. As well as our expanding range of electric machines and charging solutions, Volvo CE provides industry-leading haulers, loaders, excavators and much more, all built to suit the demands of our customers' varied construction and infrastructure needs. Volvo CE benefits from being connected to the Volvo Group, which also offers trucks, buses, power solutions for marine and industrial applications, financing and services that increase our customers' uptime and productivity. Through its holistic perspective, Volvo Group is committed to shaping the future landscape of sustainable transport and infrastructure solutions. For further company information and to explore our values further please visit www.volvoce.com