

SGL Carbon delivers the millionth leaf spring made of glass fiber reinforced plastic to Volvo Cars

- Milestone in large serial production of composite components for the automotive industry
- Fully automated production at the Innkreis location in Austria

By delivering its millionth composite leaf spring to Volvo Cars, SGL Carbon has reached a milestone in the history of serial production of fiber composite components. The leaf spring is manufactured at the Innkreis site in Austria. As part of a company celebration, Dr. Jürgen Köhler, CEO of SGL Carbon, congratulated the entire team for one of the most successful large serial projects at SGL Carbon last Friday.

With this fully automated, scalable serial production of leaf springs based on glass fiber reinforced plastic (GFRP), SGL Carbon offers one of the largest range of composite components in the automotive industry. Compared with standard steel leaf springs, which can weigh up to 15 kg, a similar GFRP spring leaf weighs just 6 kg, making it around 65 percent lighter. Besides a reduction in weight, the composite leaf spring also requires less space and ensures easy handling. Furthermore, the composite design means the leaf spring can be tailored to different models, giving manufacturers a high degree of flexibility while cutting costs at the same time. The leaf spring is part of Volvo Cars' global SPA vehicle platform and is used in different Volvo models. SGL Carbon is also implementing similar concepts together with other car manufacturers from Europe and North America.

"The new leaf spring allows a significant weight saving in our vehicle models compared to conventional steel springs in this application", says Erik Johansson, Senior Design Engineer at Volvo Cars. "This contributes to lower fuel consumption and reduced CO₂ emissions. In addition, we can use a small number of leaf spring variants in many different models, which increases efficiency and allows for high flexibility."

"We are proud that we are driving forward our innovative solutions together with our technically very demanding customer in a targeted manner and are increasingly putting them into large serial production. The composite leaf spring is a good example of this", emphasizes Dr. Jürgen Köhler, CEO of SGL Carbon. "In addition, this project underlines the long-standing and good cooperation between both companies."

SGL Carbon SE
Corporate Communications, Media Relations
Soehnleinstrasse 8
65201 Wiesbaden/Germany
Phone +49 611 6029-100 | Fax +49 611 6029-101
press@sglcarbon.com | www.sglcarbon.com

About SGL Carbon

SGL Carbon is a technology-based company and world leader in the development and production of carbon-based solutions. Its high-quality materials and products made from specialty graphite and composites are used in industrial sectors that determine the future: automotive, aerospace, solar and wind energy, semiconductor and LEDs as well as in the production of lithium-ion batteries and other energy storage systems. In addition, SGL Carbon develops solutions for chemical and industrial applications.

In 2018, SGL Carbon SE generated sales of around 1 billion euros. The company has approx. 5,100 employees at 32 locations in Europe, North America, and Asia.

Materials, products and solutions from SGL Carbon are embedded in the major topics of the future: sustainable mobility, new energies and cross-industry digitization. Further developments in these areas demand more intelligent, more efficient, networked and sustainable solutions. This is where the entrepreneurial vision of SGL Carbon evolves around: contributing to a smarter world.

Further information on SGL Carbon can be found at www.sglcarbon.com/press.

Important note:

To the extent that our press release contains forward-looking statements, the latter are based on information that is available at present and on our current forecasts and assumptions. Forward-looking statements, by their very nature, entail known as well as unknown risks and uncertainties that may lead to actual developments and events differing substantially from the forward-looking assessments. Forward-looking statements must not be understood to be guarantees. Instead, future developments and events depend on a large number of factors; they comprise various risks and imponderables and are based on assumptions that may possibly turn out not to be appropriate. These include unforeseeable changes to fundamental political, economic, legal and societal conditions, particularly in the context of our main customers' industries, the competitive situation, interest and exchange rate trends, technological developments as well as other risks and uncertainties. We perceive additional risks e.g. in pricing developments, unforeseeable events in the environment of companies acquired and Group member companies as well as in current cost savings programs from time to time. The SGL Carbon assumes no obligation and does not intend to adjust or otherwise update these forward-looking statements either.

SGL Carbon SE

Corporate Communications

Philipp Stieffenhofer – Senior Manager Corporate Communications and Marketing

Soehnleinstrasse 8
65201 Wiesbaden/Germany

Telephone +49 611 6029-100

Fax +49 611 6029-101

press@sglcarbon.com

www.sglcarbon.com

 [LinkedIn](#)

 [Facebook](#)

 [Twitter](#)