



**Opteon™**

Scania Brazil and Chemours  
Celebrate Pioneering Alliance  
for Sustainable Mobility with  
Opteon™ YF



**Chemours™**



**SCANIA**

# Innovation and Technology

The Chemours Company (“Chemours”) (NYSE: CC), a global chemical company with market-leading positions in Titanium Technologies, Thermal & Specialized Solutions, and Advanced Performance Materials, and Scania Brazil – a global leader in transport solutions – announce a pioneering strategic partnership in Brazil. The manufacturer is fully converting its truck production in São Bernardo do Campo (SP) to the Opteon™ YF refrigerant.

Scania Brazil is the first in Brazil to adopt this type of refrigerant – with a low global warming potential (GWP) – for 100% of its fleet in Brazil. The decision aims to comply with international environmental regulations, anticipating future Brazilian environmental standards. In the U.S. and Europe, for instance, regulations are already in place requiring the use of low-GWP gases in vehicles.

## Opteon™ YF – Better Sustainability

Chemours is recognized for its innovative portfolio, with a focus on the Opteon™ line of low global warming potential refrigerants. Chemours’ tradition of innovation in the air conditioning sector has lasted nearly a century. Reaching new levels with the introduction of Opteon YF (R-1234yf), it's now the new standard in Automotive Air conditioning.

Manufactured at the world's largest HFO plant in the United States, Opteon™ YF offers thermodynamic performance comparable to R-134a, with similar energy efficiency and capacity. Opteon™ YF stands out for not degrading the ozone layer (zero ODP) and having an ultra-low global warming potential (GWP), 99% lower than the traditionally used R-134a. Already in use in Europe and the U.S. as the automotive industry standard, R-1234yf is used in 250 million light-duty vehicles worldwide.

Although they operate very similarly within the air conditioning system, in the event of fluid leaks—caused by collisions or system vibrations—the R-134a fluid has a global warming potential 1,300 times greater than the new R-1234yf fluid. Therefore, this switch allows Scania Brazil to reduce the global warming potential of its fleet’s air conditioning systems by 99%.





### Priority on Sustainability

Opteon™ YF has zero ODP and a GWP 99% lower than R-134a.



### Innovation and Leadership

Partnership with Chemours places Scania Brazil at the forefront of sustainability in the industry.

This initiative aligns with new global regulations, such as the Kigali Amendment to the Montreal Protocol, an international treaty aimed at reducing the use of high global warming potential HFC refrigerants. Brazil, as a signatory country, will begin phasing out the use of HFCs in 2024 until achieving a maximum reduction of 80% by 2045. Opteon™ YF presents itself as a sustainable solution to ensure the development of the automotive industry, in accordance with international treaties seeking to mitigate the industry's effects on the intensification of global warming.

## Adjustment of the factory for tank installation.

Scania Brazil has developed a new production layout aimed at ensuring the safe use of the new refrigerant by creating an external refrigerant filling station. This area features a stationary tank with a storage capacity of 10 tons and a loading machine to refuel the trucks.

The engineering teams from both companies then worked together for months to validate the designs, execute the project, and monitor the initial test batches, until the plant finally started production with the new product.

Scania Brazil vehicles cooled with Opteon™ YF are already being sold both in the domestic market and for export.



### Learn More

0800 724 0506 | 11 99137-0560  
infobrasil@chemours.com

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