RENAULT TRUCKS MASTER IV

Environmental product information

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RENAULT TRUCKS

Renault Trucks

Renault Trucks is committed to improving sustainable goods mobility and is striving to reduce the effects its products have on the environment. Renault Trucks vehicles are designed to comply with legislation limiting atmospheric pollution and also to continue lowering fuel consumption which results in reducing carbon dioxide emissions.

Together with ever more fuel efficient transport solutions, Renault Trucks offers a full range of vehicles powered by alternatives to diesel fuel to enable operation in any environment: 100% electric; compressed natural gas; biofuels.

Renault Trucks implements an environmental policy based on specific commitments and a stringent management system that covers its dealer network, suppliers and partners. Our partner produces the vehicles in ISO 14001 certified production plants. It is geared to limiting its consumption of energy, water and raw materials but also to reducing waste production. Its products are designed to allow maximum reuse of the materials that have gone into their production.

Environmental product information

Environmental product information is drawn from life cycle analyses (LCAs) carried out on our vehicles. These cover all phases in a truck's life, from the production of raw materials right through to final dismantling and recycling. It provides data concerning the environmental impact of each one of these phases. In some cases, the LCA, which is far-reaching and complex, includes approximations. The results reveal the most important environmental parameters in the product life cycle.

THE THEMES

The environmental product information studies the impact of:

- **materials:** extraction and processing of raw materials used to produce the vehicle.
- **production:** manufacturing processes for components production at suppliers, transport of parts and vehicle assembly.
- **Use phase:** extraction and production of fuel consumed by the vehicle and exhaust gas emissions resulting from its combustion. The vehicle consumption is measured following the homologation tests WLTP. Depending on the conditions of use, the vehicle consumption can differ from the published results.
- **maintenance:** consumables and materials used in preventive maintenance and the production of parts (impact calculated on the basis of average values).
- **end of life management:** dismantling of products, management of waste and recycling the vehicle's materials which will be used to produce new vehicles.

THE RESULTS

The results shown include:

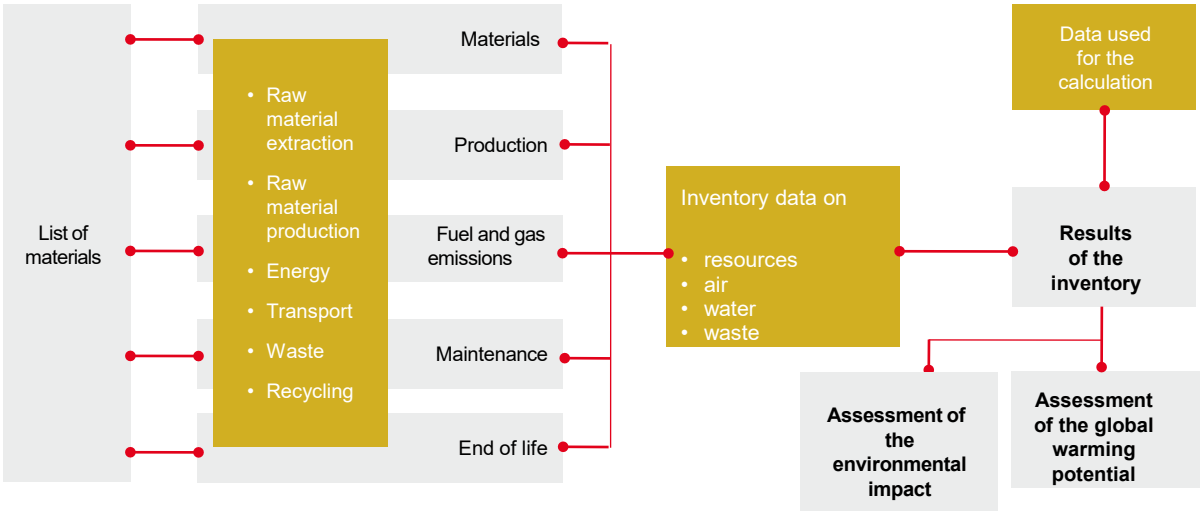
- the vehicle's bill of materials
- the rates of recyclability and recoverability as defined by the IS0 22628 standard
- the assessment of the potential contribution to global warming.

BENCHMARK VALUES

Life cycle analysis results vary considerably depending on the data used for the calculations, the most important being energy consumption and annual mileage for vehicle. The results shown here are based consumption measured following the WLTP homologation test for a **Renault Trucks Master**, a 4x2 utility van designed for local distribution, throughout its entire life cycle.

Environmental product information

METHOD



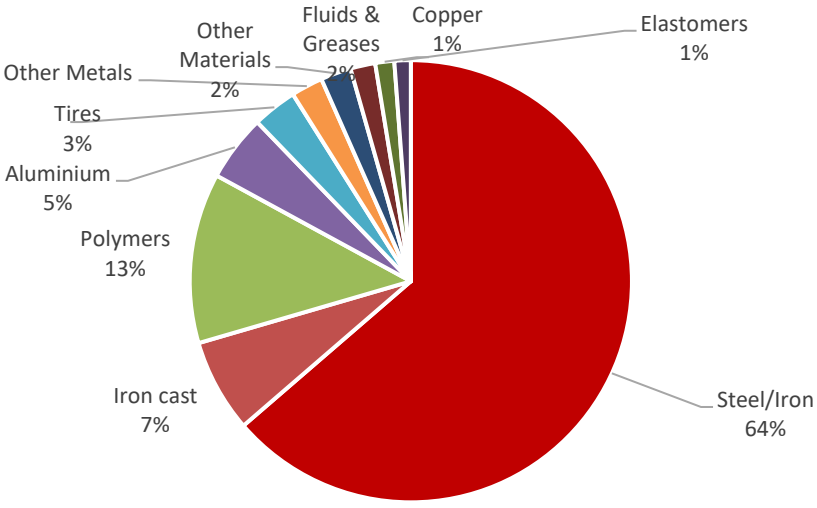
DATA USED FOR THE CALCULATION

Vehicle model	Emission level	Number of batteries	Vehicle type	Distance (km)	Consumption l/100 km	Date
Renault Trucks Master	Euro VI	2.3 l ; 110 ch	van 4x2	300 000	7,6	2026

BILL OF MATERIALS

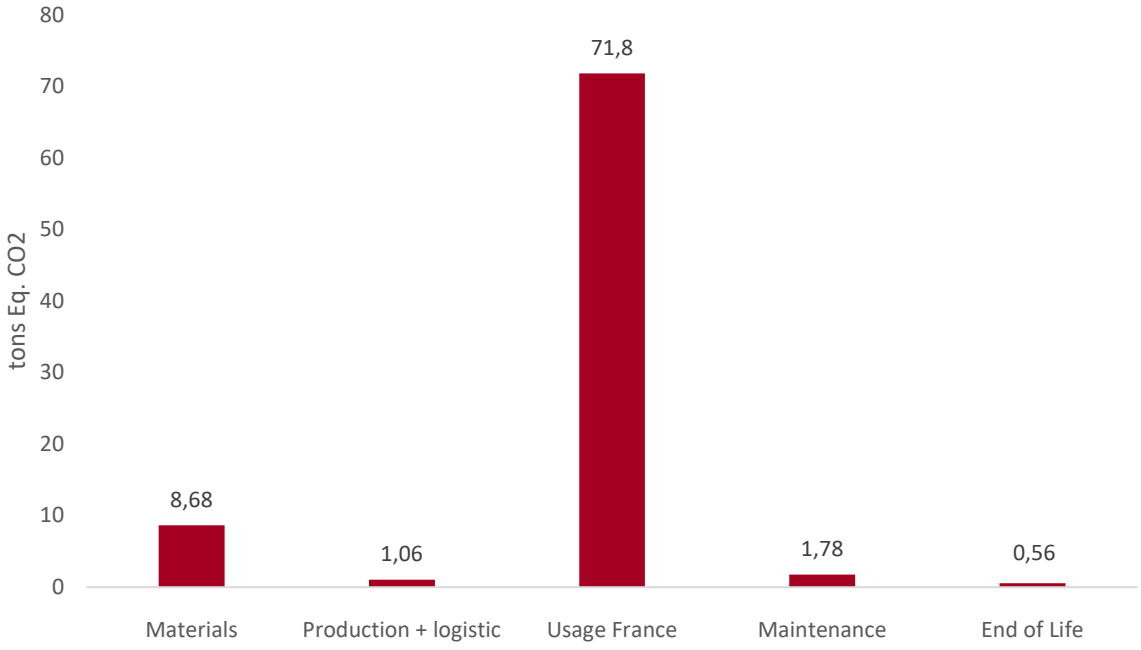
Bill of materials used in the vehicle and taken into account for calculating the life cycle analyses.

Materials	kg
Steel/Iron	1335
Cast iron	143
Polymers	261
Aluminium	102
Tires	68
Other Metals	49
Other Materials	47
Fluids & Greases	38
Copper	29
Elastomers	25
TOTAL	**2097**



Global warming potential

Assessing a product's environmental impact throughout its lifetime makes it possible to determine which aspects must be studied to improve its overall environmental performance. This assessment may be qualitative but also quantitative by using appropriate methods and tools.



Fuel consumption and the resulting gas emissions play a dominant role in affecting global warming. This is why Renault Trucks makes energy efficiency one of its absolute priorities when developing new products.

Find out more about sustainability at Renault Trucks:
Sustainability | Renault Trucks Corporate (renault-trucks.com)

RATE OF RECYCLABILITY AND RECOVERABILITY

The vehicles are designed to ensure that the maximum amount of materials used in their construction can be reused.

Rate of recyclability* 87,6%
Rate of recoverability* 97,8%

* Calculations according to the ISO 22628 standard: The rate of recoverability is the percentage of the vehicle's mass potentially able to be reused, recycled or recovered as energy (incineration with energy recovery); it is therefore always higher than the rate of recyclability.

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