



PRESS RELEASE - 09 OCTOBER 2024

ECOOOLTEC for Food Service in the UK: Brakes opts for TM182 transport refrigeration system

- **Brakes is the first food service company in the UK to procure a multi-temp body and an ECOOLTEC transport refrigeration unit for their fleet**
- **ECOOOLTEC technology facilitates very high sustainability and long-term operational reliability**
- **ECOOOLTEC exhibits Brakes vehicle during the Cold Chain Hub on 9th and 10th October in Birmingham**

The British food service specialist Brakes has opted for the TM182 transport refrigeration system from ECOOLTEC Grosskopf GmbH due to its unique environmental compatibility and long-term operational reliability. The first truck is already in everyday use. ECOOLTEC will be exhibiting the Brakes vehicle in Hall 17, Stand C30, during the Cold Chain Hub at the NEC Birmingham.

The British food service expert Brakes, a Sysco Company, decided in favour of the ECOOLTEC TM182 transport refrigeration unit because of its unique environmental compatibility. Another important criterion was the future-proof availability of natural refrigerants and thus the operational reliability of the system. Systems that generate refrigeration using chemical compound refrigerants may be affected by the F-Gas Regulation and the associated shortage of refrigerants with a high greenhouse gas potential.

The first vehicle with this highly sustainable system generates refrigeration exclusively with natural refrigerants and has a purely electric, locally emission-free drive, is already in use. The distribution truck, a DAF LF260, is designed for up to

20 delivery stops a day and serves the Northeast Midlands region (central England) from the Brakes depot in Newark. The distribution truck has a multi-temp body with a transverse partition. The rear compartment is designed for transporting fresh goods such as fruit and vegetables, while the front compartment is for frozen products such as ice cream. The transport refrigeration system is used in combination with the dual discharge ECOOLTEC E1312 flat evaporator in the fresh compartment, the ECOOLTEC E1221 flat evaporator in the frozen compartment and the in-house G30 alternator, which generates the electrical energy to drive the system.

Almost no local emissions, negligible impact on the climate

Thanks to the purely electric, locally almost emission-free and CO₂-free drive, the system produces neither local pollutant nor CO₂ emissions when in battery operation, and up to 98 percent fewer emissions compared to diesel-powered refrigeration systems via the alternator drive.

The use of the natural refrigerants CO₂ (R744) and propene (R1270) to generate refrigeration is unique in the heavy-duty commercial vehicle segment. Those have a negligible greenhouse gas potential, unlike the fluorinated refrigerants (fluorocarbons) R452A and R410A with GWP₁₀₀ values (Global Warming Potential calculated per 100 years on average) of approx. 2,000 per kg, which are currently predominantly used in transport refrigeration. Furthermore, HFC-based refrigerants belong to so-called perpetual chemicals. When they are released into the atmosphere, they are also responsible for the formation of environmentally harmful substances such as perfluoroalkoxy polymers (PFAs).

Experience Brakes truck and new products during the Cold Chain Hub

ECOOLTEC will be presenting the customer's vehicle during the Cold Chain Hub from 9 - 10 October 2024 at the exhibition Stand C30 in Hall 17 of the NEC Birmingham. According to the organiser TCS&D, companies from the cold storage

and transport industry as well as manufacturers of refrigeration systems and refrigerated vehicles will be exhibiting at the event for the refrigerated logistics industry in the UK. Visitors will also be able to view the innovations that have just been presented at the IAA TRANSPORTATION 2024.

In addition to the completely new dual discharge flat evaporator E1312 and the optimised single discharge version E1221, which allow complete flexibility when setting up multi-temp compartments, ECOOLTEC will be presenting two other major innovations. The new housing of the TM182 has an optimised air intake, which facilitates a better air flow and heat transmission in the system and therefore even higher energy efficiency and reduced energy consumption. The new ECOOLTEC remote control enables a standardised operating concept and meets the special requirements of temperature-controlled transport. It can be mounted in various positions - in the driver's cab, on the front bulkhead as well as in the rear of the body.



caption:

Particularly sustainable and future-proof: Brakes is the first food service provider in the UK to opt for the ECOOLTEC transport refrigeration system

ECOOLTEC Grosskopf GmbH is a European manufacturer of future-oriented, environmentally friendly transport refrigeration systems. The mission of the company is to offer operators of refrigerated vehicles transport refrigeration systems which are particularly sustainable, efficient and reliable. Key features of the ECOOLTEC technology are the exclusive use of natural refrigerants with no greenhouse warming potential and the all-electric alternator or battery drive. The company's headquarter and production site is in

Mülheim a. d. Ruhr (North Rhine-Westphalia). CEO Henning Altbäumer is responsible for the management of the company. ECOOLTEC also owns ECOOLTEC UK Ltd. which is located in Buckingham (Buckinghamshire), Managing Director is John Winter.

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