

Press contact:

Antje Wappler

Press relations officer

Phone +49 371 6899 – 108

antje.wappler@cac-chem.de



++ Joint press release TGR-E United, Lothar Gruppe/NORDOEL and CAC ++

E-fuel from CAC: world premiere at the Nürburgring 24 Hours

Chemnitz, 01/03/2022: Toyota GR Supra GT4 starts with Racing eFuels98 synthetic fuel – up to 90% fewer CO2 emissions

For the first time, the TGR-E United team will be starting the ADAC TotalEnergies Nürburgring 24 Hours race with a vehicle that is powered not by fossil fuels, but rather by climate-friendly and almost CO2-neutral synthetic fuel.

This will see the team from TOYOTA GAZOO Racing Europe enter a GR Supra GT4 developed at the motor sports headquarters in Cologne and equipped with a close-to-production three liter, six-cylinder engine that has been specially optimized for motor sports use, delivering 320 kW* (430 hp).

The classic endurance race in the Eifel will now see the new technology face a truly tough task: a 24-hour, full throttle chase around the most challenging racetrack in the world. "Here at TOYOTA GAZOO Racing Europe we have already gained a lot of experience with alternative engines, but a race using synthetic fuel is a step into the unknown for us," says Jörg Mertin, Team Manager TGR-E United. "We are always open to innovations and look forward to proving that the GR Supra GT4 can also give a good account of itself with synthetic fuel."

Dirk Wullenweber, Project Manager of Race2efuels and Head of Marketing & Trade at LOTHER Gruppe (owner of the NORDOEL filling stations): "The biggest advantage of the Racing eFuels 98 synthetic fuel of our Race2efuels project is that it can be used immediately in any combustion engine that otherwise runs on normal super gasoline. This means that existing filling station infrastructure (such as our own NORDOEL filling stations) can be used for fuel that is mineral oil-free and practically CO2-neutral and therefore climate-friendly. The use of e-fuels is therefore a key element in the energy mix." The fleet of combustion engine vehicles in 2030 is estimated at over 30 m vehicles in Germany alone. Synthetic fuel is indispensable if these are to be driven in a sustainable, climate-friendly way. Transferring this from the racetrack to the high street in the near future requires key political decisions to be made, such as those that have now been implemented for synthetic kerosene.

This synthetic gasoline, already REACH certified, is produced by Chemieanlagenbau Chemnitz GmbH (CAC) in collaboration with TU Bergakademie Freiberg, CAC and the technical university

operate the largest pilot plant in Europe, with a theoretical production capacity of one million liters per year.

Dr. Rene Stahlschmidt, Head of Sales CAC: "Using as a starting point methanol, which can be produced from CO₂ and "green" hydrogen or manufactured from bio-methanol, CAC has developed this patented process, which requires no fossil resources." Around 46,000 liters of the synthetic fuel have already been provided for test bench testing as well as fleet trials of car and motorcycle manufacturers, with the assessment thoroughly positive.

Now the fuel will be put through its paces in the toughest endurance race in the world, the Nürburgring 24 Hours, with the goal of showing that it also accomplishes the toughest of tours with ease, and has high endurance limits.

Chemieanlagenbau Chemnitz GmbH

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