



Berlin, May 2017

Project

- Titel:** Investigation on interactions of fuels and components of the fuel supply systems in Plug-in Hybrid Electric Vehicles (PHEV)
- Project Number:** 550_2016_1
- Project Time:** 1 January 2017 – 28 February 2018
- Project Status:** Project in progress
- Contact:** AGQM Office, Berlin
- Project Supervisor:** Oel-Warme-Institut (OWI), Technologietransferzentrum Automotive der Hochschule Coburg (TAC), Tec4Fuels GmbH, Analytik-Service Gesellschaft mbH, SGS Germany
- Project funded by:** Association of Combustion Engines e. V. (FVV), Union zur Förderung von Oel- und Proteinpflanzen (UFOP), Deutsche wissenschaftliche Gesellschaft für Erdöl, Erdgas und Kohle (DGMK)
- Outline:** The share of hybrid vehicles is steadily increasing. The project focuses on Plug-in-Hybrid Electric Vehicle (PHEV), which have an internal combustion engine and an electric motor with external charging option. Due to the increased electrical operation, the fuel remains in the tank for a longer time than usual. The behavior of the long-term stored fuels cannot be predicted so far. One goal of the research project is to verify the interactions between the components of the fuel supply and (aged) fuels in PHEV vehicles under application conditions (storage period and storage conditions). Aged petrol and diesel fuels as well as their blends with ethanol/methanol or FAME/HVO/GtL are used for the examinations.