

# Press Release

## Omnibuses with pure biodiesel (B100) operate trouble-free – engine oil change intervals extendable

Berlin, November 14<sup>th</sup>, 2024 – In a pioneering research project, omnibuses from IOV Ilmenau GmbH were successfully operated and tested on pure biodiesel (FAME – fatty acid methyl ester). The results not only prove the trouble-free use of this eco-friendly type of fuel, but also open new perspectives with regard to engine oil change intervals.

The project initiated by AGQM Biodiesel, examined the B100 bus fleet of IOV Ilmenau GmbH with special focus on the engine oil of the buses, which was intensively analysed. According to the manufacturers, buses that run on B100 require an oil change three times more frequently to prevent potential problems caused by FAME use.

Most of the engines showed inconspicuous behaviour, so that an early oil change is not expedient either economically or ecologically. Some engine systems showed conspicuous behaviour after a running time of 30,000 km, but only one engine type showed conspicuous results due to the use of FAME. This shows that the change intervals for engine oil could be significantly extended.

Biodiesel presents itself as an ecofriendly and attractive alternative fuel for omnibuses. The use of B100 enables a greenhouse gas emission reduction of up to 80% and fulfils the requirements of the German Clean Vehicles Directive (Saubere-Fahrzeuge-Beschaffungs-Gesetz). Moreover, the use of FAME ensures the energy security in Germany by relying on renewable and locally produced resources.

“The results of our project are an important step towards eco-friendly mobility and encourage the further integration of this technology into public transport sector. Further, this technology could provide a significant contribution to reducing CO<sub>2</sub> emissions in the near future.”, says Dr. Richard Wicht former General Manager of the AGQM Biodiesel.

Further information on omnibus project as well as the full report, can be obtained from the AGQM website [www.agqm-biodiesel.com/en](http://www.agqm-biodiesel.com/en).

AGQM is an organization founded by leading companies of the German biodiesel industry. As technical association AGQM predominantly deals with all issues concerning the quality management of biodiesel and its by-products.



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