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Photofuel - Biocatalytic solar fuels for sustainable mobility in Europe

Deliverable D5.3

Full engine characterization and fuel blend assessment on series vehicle



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Editorial

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Responsible beneficiary:	VW
Authors:	Michael Bippes
Contributors:	VW
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Contact:	michael.bippes@volkswagen.de
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Publishable Summary

Documentation of deliverable 5.3 “Full engine characterization and fuel blend assessment on series vehicle” for series or close to series vehicles.

A total of two test fuels and a reference fuel was tested in a close to series vehicle. The testing was executed on dynamometer test bed. Tests were repeated at least three times in WPTP cycle to ensure a reliable result.

The fuels used were define in Deliverable 5.1 “Test Fuel Matrix” and contained the fuels that were targeted in the project.

Testing revealed that the fuels could be used for combustion with advantages towards the emission profiles. As no application optimization was conducted, the full potential could not be revealed, but it clearly showed that the fuels could be used upon introduction in series engines.

Clear advantages could be seen in the field of particle emissions, which could be turned into emission advantages for nitrous oxides.