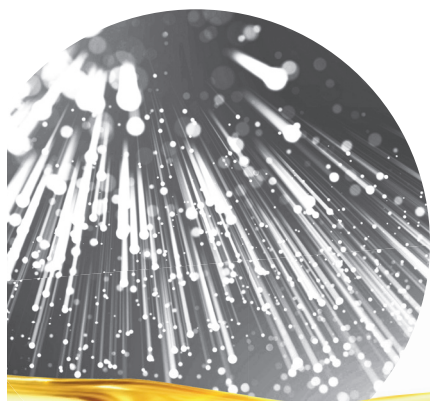


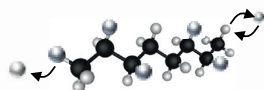


# LEC



### Engine Oil

- labelled with tracer



## A natural tracer enabling online, stable and precise measurement

### Exhaust gas water vapor

- containing tracer

### Laser spectrometer

- monitoring of hydrogen-deuterium ratio in the exhaust gas water vapor

## Towards cleaner and more reliable engines

The oil consumption of an internal combustion engine has a significant influence on emissions and life cycle costs.

LEC OilTracer solves the task of an accurate measurement with the help of a specially developed tracer.



The engine oil is tagged with a naturally abundant tracer called deuterium by an isotope exchange reaction.

The tracer is detected in the exhaust gas water vapor by means of a laser spectrometer, which allows the oil consumption to be calculated.

The special feature of LEC OilTracer is the ability for online measurement, easy handling and the specification of the required measurement accuracy by the customer using a tailor-made tracer.