



OIL CONSUMPTION

- Excellent
- Good
- Average
- Poor

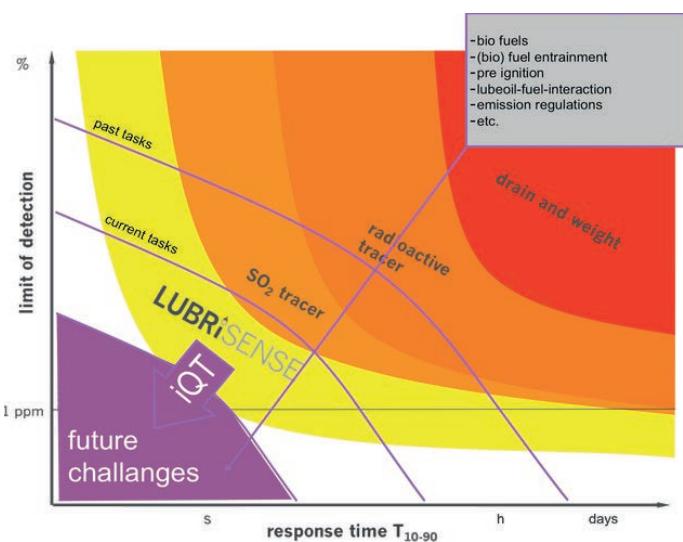
LUB360 YOUR EFFICIENT MEASUREMENT INSTRUMENT

Superior performance, slimline design

The new Lubrisense LUB360 now offers even more options to examine oil consumption of combustion engines in detail. Our entire experience of the past 15 years has gone into the development of this revolutionary measurement system.

AxION IQT by PerkinElmer

Our partner, PerkinElmer has developed a new revolutionary mass spectrometer from scratch. It represents a true innovation by combining a number of completely new technologies: A quadrupole is used for the Lubrisense high-pass-mass-filtering and a time-of-flight unit separates the ions according to size. The detector registers the ions with an extremely high dynamic range.

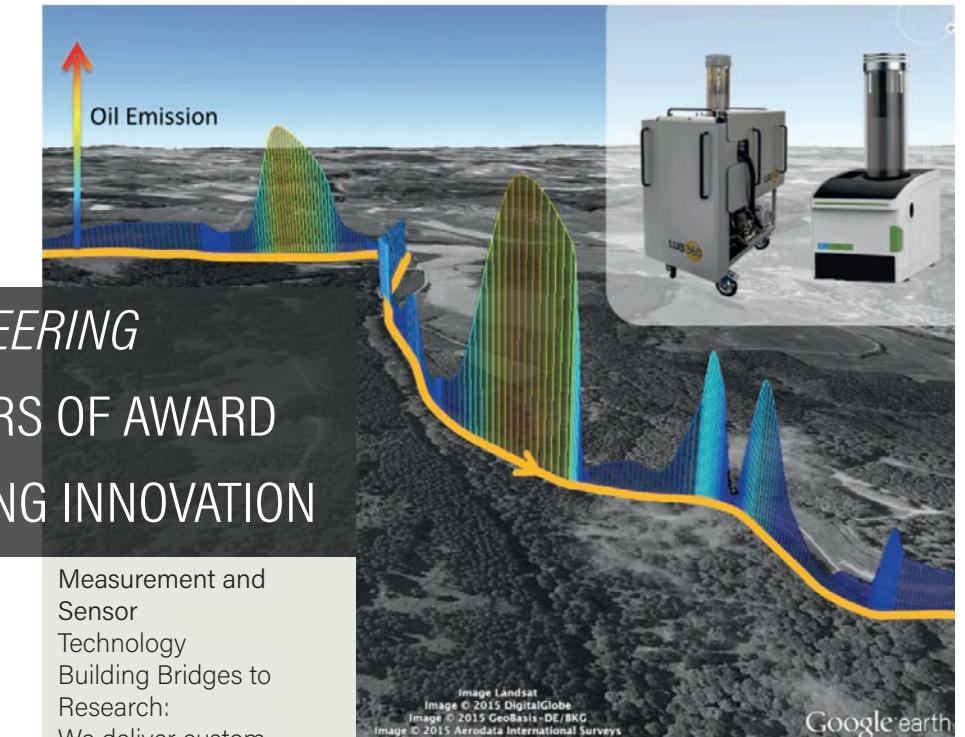


QTOF

In the same time a single value was obtained before the TOF unit of the mass spectrometer is able to deliver a complete spectrum. A coupled classifier detects specific ion pattern. It differentiates between evaporated oil and the oil emitted by droplets. In addition to the evaporated oil, its specially designed inlet is able to collect and evaporate oil droplets over a wide diameter range and guides them to the ion source of the mass spectrometer.



SUPPORT
RELIABLE WORLDWIDE



ENGINEERING
15 YEARS OF AWARD
WINNING INNOVATION

Measurement and Sensor Technology Building Bridges to Research: We deliver custom tailored solutions:

Mechatronics Sensor Software and Algorithms Analytical Sampling Technology Process Measurement Computation Fluid Dynamics 3D Geo coding

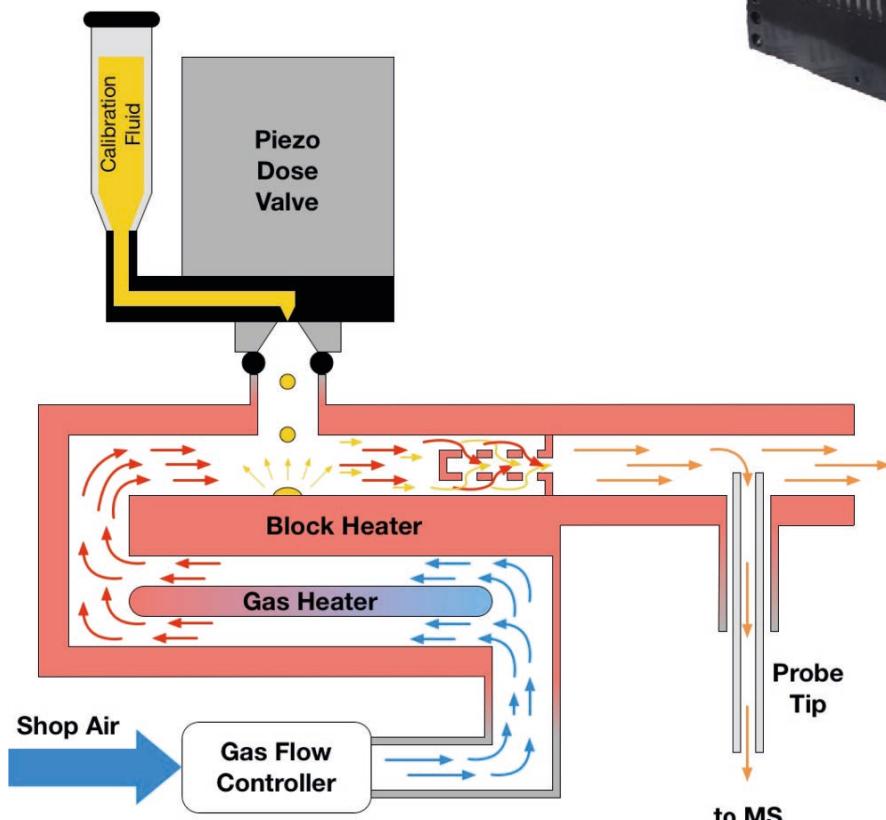
Don't want to operate your own Lubrisense? We're with you on-site.



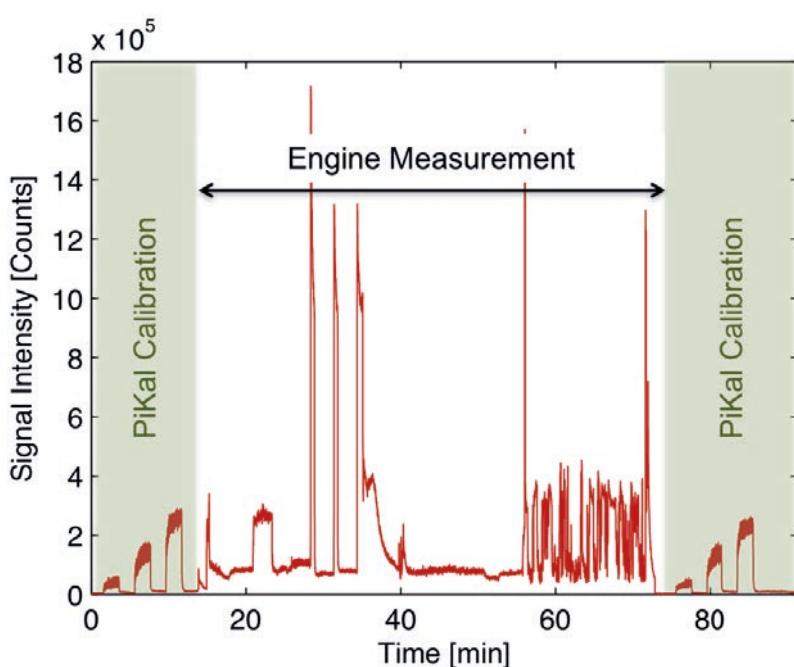
SERVICE ON-SITE FOR
YOUR CHALLENGE



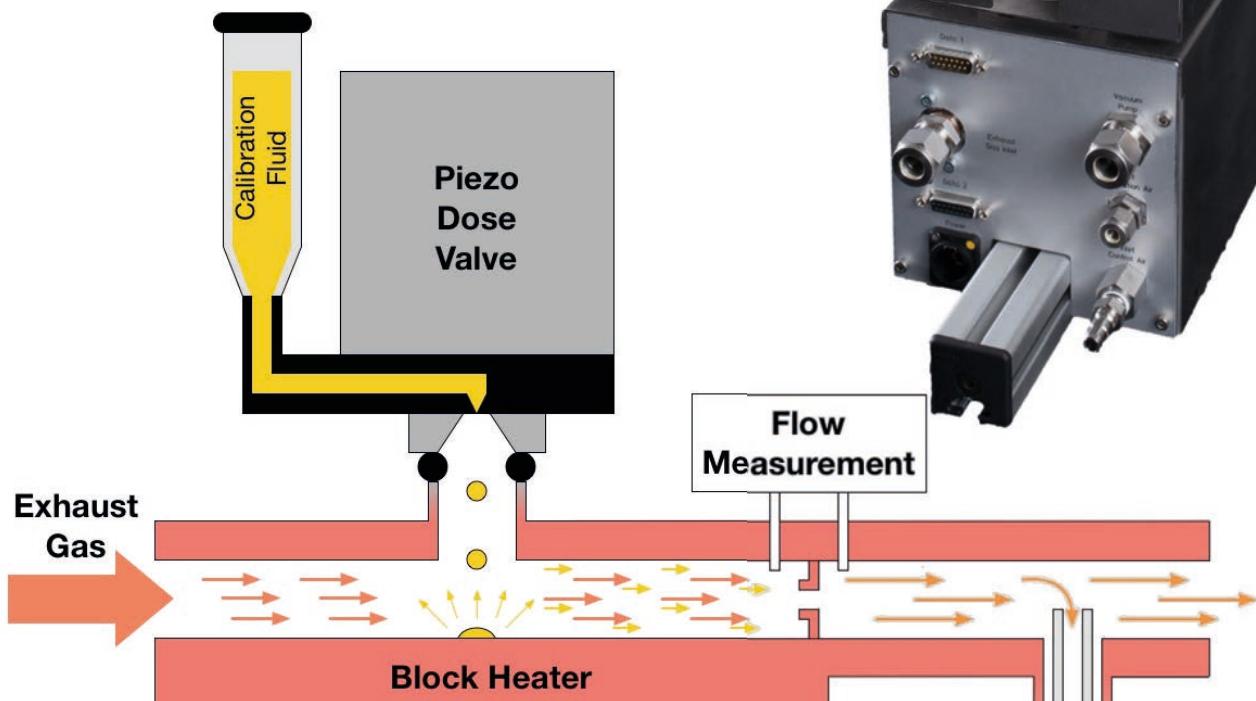
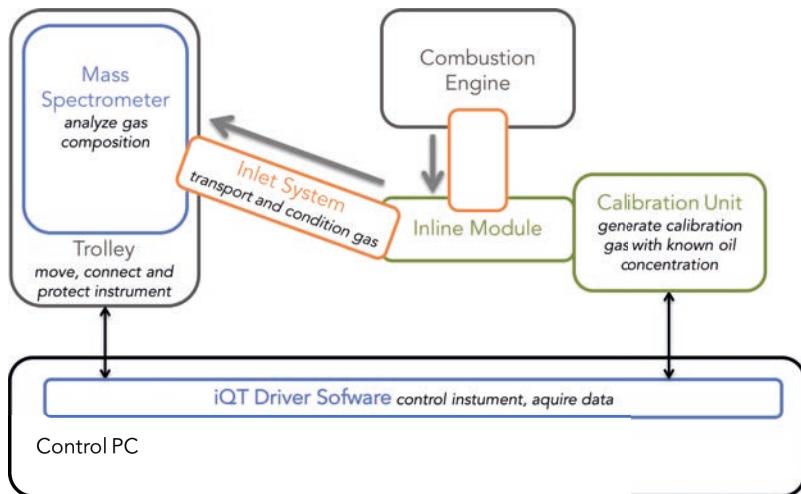
PiKal X Calibration Unit



To calibrate the LUB360 Measurement System to output oil concentrations in ppm and oil emissions in g/h, the PiKalX Calibration System is used. It evaporates the application specific lubricating oil under defined conditions and generates a known oil concentration in heated carrier gas. Sampling this defined oil concentration at start and end of a measurement enables the conversion of the measurement signal into concentration and mass emission units. The all-new PiKalX Calibration System is highly automated and seamlessly integrates into the LUB360 software structure.



PiKal XI Inline Module



With the optional extension PiKal XI Inline Module it is possible to perform a calibration at any moment during an active engine measurement. Thus there is no need to change the sampling position of the probe head for calibration purposes any more.

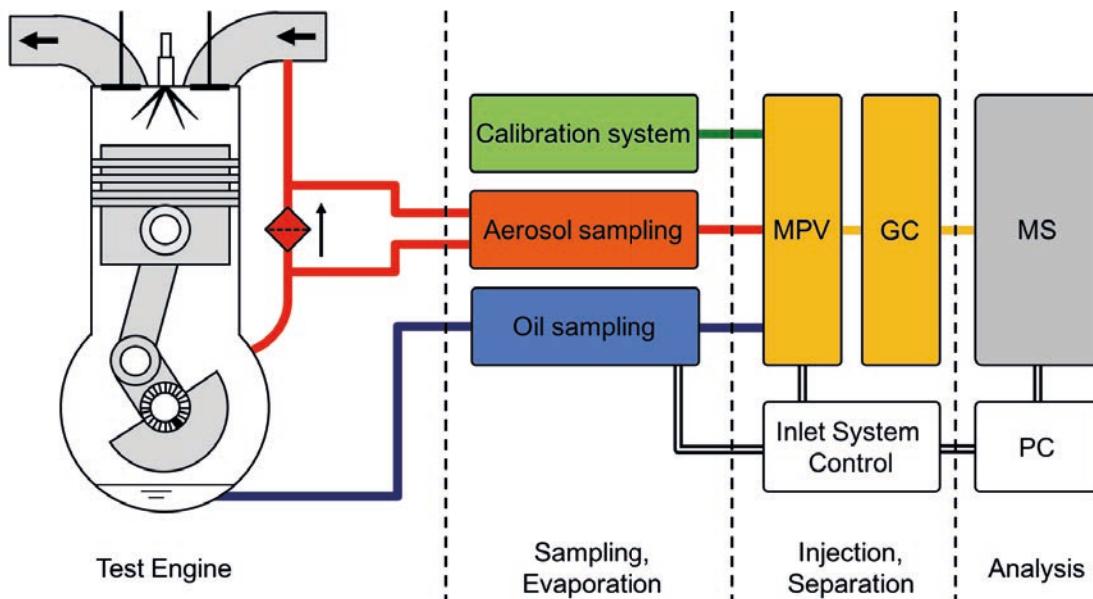
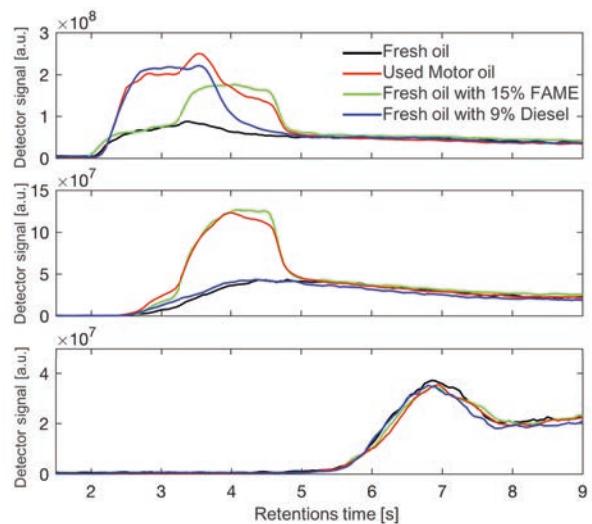
to MS

Fuel in Oil Analysis of Aerosols and Oil Samples

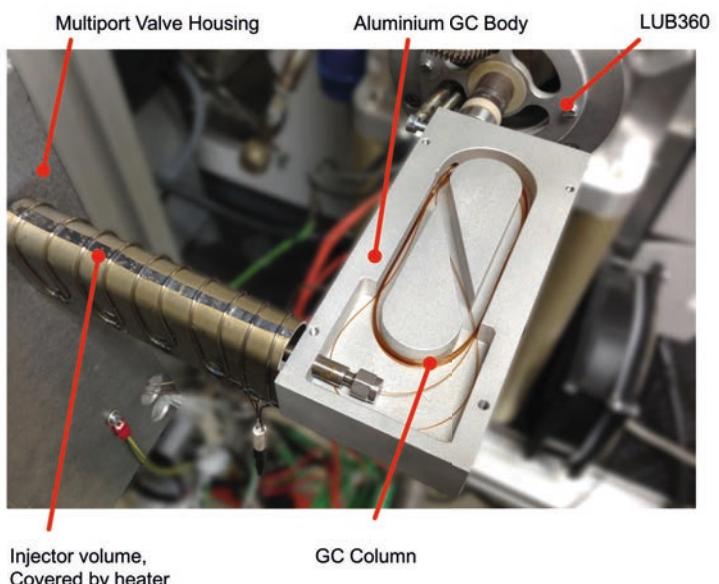
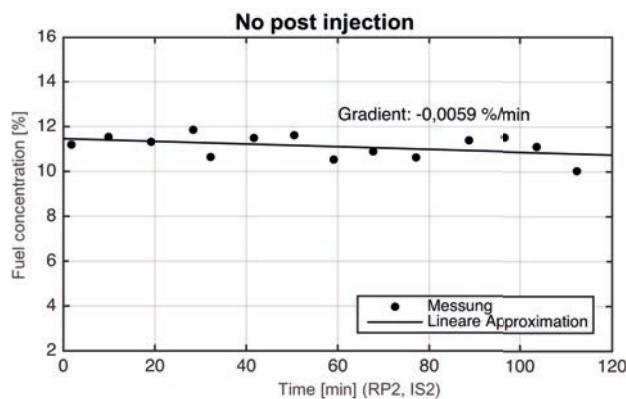
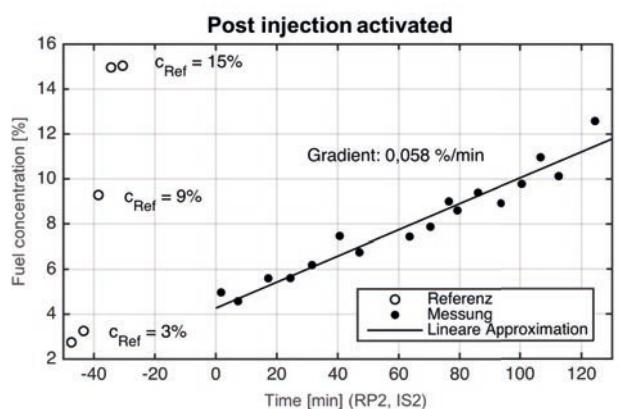
Filter 1: m/z 150±25
Mainly Diesel Fuel
Secondary FAME

Filter 2: m/z 280±25
Mainly FAME
Secondary Diesel Fuel

Filter 3: m/z 400±25
Engine Oil



Isothermal
GC:
+ Fast
+ Small
+ Robust



With the optional Lubrisense Isothermal GC and Multiport Valve (MPV) the LUB360 becomes a fast response online oil dilution sensor. It is optimized for Diesel and Gasoline applications.

- + Post injection strategies
- + FAME and Bio Fuels
- + Separator evaluation



China

BEIJING UNIVERSAL
INDUSTRY DESIGN CO., LTD
Rm. 2307 Tower A, Xin Tian Di Bld.
Chaoyang District Beijing 100028
China
Phone: +86 10-64462668
www.uid-tech.com
wuxiangdong@uid-tech.com

Korea

3R Co. Ltd.
429-932 Kofomo
TechnoCenter II RM#427, Sihwa
National Industrial Complexes
3 Na 505-3, JungWang-Dong,
Sjheung-City
GyeongGi-Do, Korea
Phone: +82 31 499 4923
moneypenny@e3r.kr

Japan

株式会社 シーケービー[®]
CKB Corporation
〒150-0002 東京
都渋谷区渋谷2-10-6
山田青山ビル4階
電話:+81-3-3498-2131
info@ckb.co.jp

North, Central and South America

Conexo Inc.
2320 Starr Lake Drive
Acworth, GA 30101
United States of America
Phone: +1 678 806-0131
info@conxoinc.com

Europe

LUBRISENSE GmbH
Kasernenstraße 12
21073 Hamburg
Germany
www.lubrisense.com
Phone: +49 40 8750-4766
info@lubrisense.com