OIL-TRACE
Accurate elemental analysis for fuels, oils and wear metals
Accurate results, easy operation

Savings on setup time, standards and maintenance

One calibration for many different oils, fuels and petrochemicals

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<th>Your challenges</th>
<th>Our solution</th>
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<td>Accurate analyses using multiple calibrations for a wide</td>
<td>Single calibration enabled by:</td>
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<td>range of petrochemical products</td>
<td>- advanced FP-Compton matrix corrections</td>
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<td>Maintenance of multiple calibrations</td>
<td>Number of calibrations dramatically reduced</td>
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<td>Reproducible sample preparation due to infinite thickness</td>
<td>Largely independent of sample mass/volume. Advanced</td>
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<td>problems when dealing with X-rays</td>
<td>Fluorescent Volume Geometry modeling for infinite thickness corrections</td>
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<td>Getting best accuracy, regardless of varying oxygenates</td>
<td>Automatic oxygen and hydrocarbon composition corrections</td>
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<td>and hydrocarbon composition</td>
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<td>International norm compliance</td>
<td>Application templates to simplify setup and analysis</td>
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<tr>
<td>Sourcing standards of varying composition</td>
<td>according to international norms and test methods</td>
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<td>One generic set of oil standards</td>
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OIL-TRACE
Superior accuracy

Single calibration - many applications

Traditionally, separate calibrations must be made for quantifying important elements in different types of fuels, oils and other petrochemicals. A single Oil-Trace calibration removes the time-consuming maintenance of many calibrations.

Differences in oxygen content and sample weights/volumes are compensated by Oil-Trace

Calibrate with a single fuel, oil or petrochemical standards set of your choice and Oil-Trace allows for accurate analysis of any fuel, oil or other petrochemical.

**ASTM**
- D2622, D6334, D4927, D6443, D6376, D5059, D4294, D6481

**ISO**
- 14596, 14597, 20884, 20847, 8754, 13032

**IP**
- 336, 496

**JIS K2541-4**
Completing the solution

Integrated in SuperQ and Epsilon 3 software

Oil-Trace is closely integrated in the Zetium - Petro edition SuperQ and Epsilon 3 software environments giving access to the many useful features present within these mature packages:

• Routine analysis and sample handling
• Calibration update and instrument monitoring
• Statistical process control (SPC)
• Data storage and reporting
• Data transmission

Oil-Trace comprises everything required for successful oil analysis:

• Oil-Trace software
• Liquid standards for C, H and O characterization
• Compact weighing balance
• Volumetric flask
• Comprehensive user setup documentation (CD-ROM)

Oil-Trace: accurate elemental analysis using fewer calibrations

Tailored system solutions

Epsilon 3\textsuperscript{E} and Epsilon 3\textsuperscript{LE} spectrometers – Compliant and compact

Petro edition of Zetium spectrometer - Compliant and complete

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