

OilDoc Conference – Event Program 2025 State: March 2025. Subject to change.

DAY 1 – TUESDAY, MAY 13, 2025			
09.00 am – 10.00 am	Opening: Petra Bots & Rüdiger Krethe (OilDoc) Plenary lecture: The business case Sustainability – Between challenges and opportunities Senator Apurva Gosalia Fokus Zukunft GmbH & Co. KG		
10:00 am – 10:30 am	Coffee & Snacks		
	Hall 1	Hall 2	Hall 3
10:30 am – 12:30 am	GREASES & GREASE ANALYSIS Modelling of oil separation from lubricating greases with the equation of Carman and Kozeny Gizem Balkiz Ibishükücü Carl Bechem GmbH Element analysis in greases updated: XRF, RDE-OES or ICP-OES? Raphael Grötsch OELCHECK GmbH Criteria based grease analysis screening and advanced sampling techniques Richard N. Wurzbach MRG Labs Modern Grease analysis in industry Wojciech Jewula ECOL Sp. z.o.o.	LUBRICANTS – HEALTH & ENVIRONMENT Lubricants: Update on legal & health aspects Dr. Stefan Baumgärtel VSI Verband Schmierstoff-Industrie e.V. High-alloyed screws – Chromium-VI formation Rüdiger Schiffer OKS Spezialschmierstoffe GmbH PFAS-free lubricants – new opportunities considering regulation Dr. Eugenia Elzer Setral Chemie GmbH A look at the process chain – what comes after metalworking and forming? Focus on cleaning and corrosion protection Kerstin Zübert Hermann Bantleon GmbH	VARNISH MITIGATION Correlation between lube oil condition & bearing temperatures Greg Livingstone Fluitec US High thermal stress turbine oil specifications for modern gas turbine engines Dr. Ludger Quick FLUITEC Special features of high temperature oxidation – consequences for varnish detection and mitigation Rüdiger Krethe OilDoc GmbH Improving production of heat transfer fluid systems with solvency enhancers Jo Ameye Fluitec NV
12:30 am – 02:00 pm	Lunch		
02:00 pm – 03:30 pm	OIL ANALYSIS METHODS Oxidation revealed: A deep dive into TOST testing Vincent Bouillon Eurofins BfB Oil Research S.A. Laboratory methods for evaluating the performance and optimization of hydraulic oils in industrial equipment Christoph Schneidhofer AC²T research GmbH The effect of temperature variation on NIR prediction results Dr. Nicolas Rühl Metrohm AG	LUBRICANTS & ENVIRONMENTAL ASPECTS Biohydraulic oils in stress test – Can the „Wet“ TOST test provide additional insights? Carsten Heine OELCHECK GmbH On razor’s edge: Balancing performance and sustainability for next-generation hydraulic fluids Dr. Leon Maser Addinol Lube Oil GmbH Lubrication in special environments Giuseppe Forastiero Shell Deutschland Oil GmbH	OA MANAGEMENT & DIGITALISATION Digitalization in lubrication – Future proof standards and concept implementation using state of the art technology and AI support Wojciech Majka ECOL Sp. z.o.o. Smart and reliable gearbox monitoring: Driving digitalization to prevent major downtime Andreas Busch Hydac Digital transformation in lubricant monitoring: Data mining and AI readiness for modern organizations Ferenc Pall MOL-LUB Ltd.
03:30 pm – 04:00 pm	Coffee & Snacks		
04:00 pm – 06:00 pm	OIL SENSORS Online monitoring of total water contamination in lubricants combining NIR moisture sensors and optical imaging particle detection Eneko Gorritategi Atten2 Oil condition monitoring using multi-functional compact near-infrared spectroscopic sensor Dr. Kyoko Kojima Hitachi Ltd The impact of oil additives on oil electrical conductivity Dr. John K. Duchowski, Hydac FluidCareCenter GmbH	LUBRICANTS & LUBRICATION Fluid solutions – Innovative and sustainable industrial oil concepts Wolfgang Bock Fuchs Lubricants Germany GmbH Development of vacuum lubricants for contamination sensitive environments Fabian Schüller Materiales GmbH Lubrication challenges and bearing failures in screw compressors for hydrogen and methane gas transport Dr. Maria Valentne Sutyinszki MOL-LUB Impact of the lubricating oil chemistry on the knock sensitivity of a gas engine running on hydrogen Luis Rodriguez Petro-Canada Lubricants Inc.	SUSTAINABILITY & ECONOMICS Cost reduction with high performance lubricants Dr. Frank-Olaf Mähling Evonik Operations The contribution of lubricant analysis to cost efficient and sustainable machine management Stefan Mitterer OELCHECK GmbH Concept and process for cleaning oil-contaminated machine condensate in power plants – a best practice report Anna Krein Optioil GmbH Heat transfer fluid recycling – practical experience Vit Henych CLASSIC Oil s.r.o.
6:00 pm – 8:00 pm	COME TOGETHER - ZWICKL RECEPTION		

DAY 2 – WEDNESDAY, MAY 14, 2025

	Hall 1	Hall 2	Hall 3
09:00 – 10:30 am	<p>OIL ANALYSIS METHODS</p> <p>Oil Condition Monitoring (OCM) with FTIR spectroscopy – Comparison, challenges and solutions Christoph Schneidhofer AC²T research GmbH</p> <p>Comparing new ASTM methods for FTIR analysis of fluid condition David Swanson POLARIS Laboratories</p> <p>New infrared absorption method for field instruments Matthias Winkler CM Technologies GmbH</p>	<p>WIND POWER LUBRICATION</p> <p>Assessment of blade bearing greases performance with water contamination and grease mixtures Ulf Rieper Shell Deutschland Oil GmbH</p> <p>Case analysis of wind turbine gearbox lubrication failure Yesid Antinio Gomez Bureau Veritas Spain, OCM</p> <p>Damage prevention in main bearings and gearboxes – Don't give WECs (white etching cracks) a chance Stefan Bill Rewitec GmbH</p>	<p>TURBO EQUIPMENT MANAGEMENT</p> <p>Turbine oil management & handling in refineries Michael Grill OMV Refining & Marketing GmbH</p> <p>Lessons learned for lubricant systems in gas turbines Dr. Bernhard Persigehl Experten-Zentrum für Technik</p> <p>Synergistic approaches: Integrating vibration, oil analysis, and varnish analysis for enhanced gas turbine performance and maintenance Jorge Alarcon Bureau Veritas Spain, OCM</p>
10:30 am – 11:00 am – Coffee & Snacks			
11:00 am – 12:30 pm	<p>COOLANTS & ANALYSIS</p> <p>The shift from conventional to low-conductivity coolants in battery electric Matthias Aßmann OELCHECK GmbH</p> <p>Wire corrosion and conductive layer deposits: The development of bench test technology for electric vehicle drivetrains Greg Müller SAVANT Inc.</p> <p>Coolant analysis: A key to complete asset management Emily Featherston POLARIS Laboratories®</p>	<p>LUBRICANTS & LUBRICATION</p> <p>Influence of operating parameters on the oxidation rate of gear oils in real operation Dr. Lukas Hafner Evamo Pump Technology Solutions PS GmbH</p> <p>Shear stability and thermal performance analysis of engine oils for electric vehicles Deepak Veeregowda, Ducom Instruments (Europe) B.V.</p> <p>Optimal lubrication of roller chains & conveyor chains Alexander Frankenstein FB Ketten Handelsgesellschaft mbH</p>	<p>CONTAMINATION CONTROL</p> <p>Defining the right contamination control strategy Guido Bertels DES-CASE</p> <p>Race for clean oil – oil filter efficiency tests Steffen D. Nyman C.C. Jensen A.S</p> <p>Oil cleanliness: Key element to asset reliability Saeed Asiri Sabic</p>
12:30 pm – 02:00 pm – Lunch			
02:00 pm – 03:30 pm	<p>OIL SENSORS II</p> <p>Inline viscosity sensors - Guidelines for successful implementation Dr. Alexander O. Niedermayer Micro Resonant Technologies GmbH</p> <p>Asset health insights from In field applications of a multiparameter oil condition sensor Jeffery Lubkowski Poseidon Systems LLC, U.S.</p> <p>Value proposition & interplay of inline versus lab analysis Dr. Carsten Giebeler Spectrolytic GmbH</p>	<p>MWF & CLEANING</p> <p>Process element cooling lubricant – a comparison in performance Anna Hillmann Hermann Bantleon GmbH</p> <p>Ranking of tribological performances of water-based coolants and metalworking fluids Dr. Ameneh Schneider Optimol Instruments Prüftechnik GmbH</p> <p>Monitoring and maintenance of working fluids using specialized devices: Practical experiences Peter Sebok Tribology Ltd.</p>	<p>OIL ANALYSIS & MANAGEMENT</p> <p>Extended oil change intervals Rainer Schöpf OELCHECK GmbH</p> <p>Condition-based oil sampling – Using data to determine oil analysis testing frequency Lisa Williams Spectro Scientific Ametek</p> <p>Case study of oil condition monitoring – A practical and effective software solution for everything from planning sampling to managing corrective actions Thomas Feischl eralytics GmbH</p>
03:30 pm – 04:00 pm – Coffee & Snacks			
04:00 pm – 05:30 pm	<p>OIL SENSORS III</p> <p>The bearing as measurement device for lubricant testing and condition Dr. Christoph Wincierz HPC Sense</p> <p>How to diagnose water contamination in lubricants at on-site analysis Chris Kwon Solge Corporation</p> <p>Smart Sensors Solutions for Industrial transmissions, power generators, and industrial lubricants Thierry Delvigne Deltabeam</p>	<p>LAB AUTOMATION</p> <p>Fast screening of wear regimes using an automated Four-Ball setup Dr. Richard Baker Tribotronic</p> <p>Robotic arm to ASSIST RDE spectroscopy automation Matteo Campatelli Mecoil Diagnosi Meccaniche S.r.l.</p> <p>Maximizing laboratory efficiency: Advantages of high-throughput compact sample aliquoting, analysis, and digitization Mike Matjeka HF Innovation GmbH</p>	<p>LUBRICATION MANAGEMENT</p> <p>Enhancing lubricant performance with Alkylated Naphthalene Luka Jazbec ExxonMobil Czech Republic</p> <p>Optimized liquid coalescence for improved water removal from hydrocarbon lubricating oils Dr. John K. Duchowski Hydac FluidCareCenter GmbH</p> <p>What if? – Assumptions about CO₂ evolution tests for lubricants Dr. Peter Lohmann Hermann Bantleon GmbH</p>

6.00 pm – 11:00 pm – BAVARIAN EVENING RELOADED

DAY 3 – THURSDAY, MAY 15, 2025

It's up to you!

You have the choice between different workshops in Rosenheim or Brannenburg and an excursion via cog railway.

IMPORTANT: You have to pre-register for the program (and bus-shuttle when needed) in our event app!

- ✓ Take part in a **practical oriented workshops** at the OilDoc Academy in Brannenburg and visit the **OELCHECK laboratory** (15 km from Rosenheim, Bus-Shuttle leaves KU'KO at 8:45 am (pre-register!))



WORKSHOP / LAB TOUR AT THE OILDOC ACADEMY IN BRANNENBURG (15 KM FROM ROSENHEIM)

Time	Workshop A - I	OELCHECK LAB-TOUR I
9:30 am – 11:00 am	Schöpfen Sie das Potential von Schmier- und Betriebsstoffanalysen voll aus – So legen Sie sinnvolle Testumfänge fest (in German) Dr. Andrea Schreiner & Matthias Aßmann OELCHECK GmbH	Test methods in practice
11:00 am – 11:30 am	Coffee & Snacks	
11:30 am – 1:00 pm	Unlocking the full potential of fluid analyses – Defining test scope and utilisation of additional tests (in English) Dr. Andrea Schreiner & Matthias Aßmann OELCHECK GmbH	OELCHECK LAB-TOUR II
1:00 pm – 01:30 pm	GRAB & GO LUNCH	Test methods in practice

OR

- ✓ Take part in a **practical oriented workshop (presented & organized by Fluitec)** at the KU'KO Rosenheim



WORKSHOP AT THE KU'KO ROSENHEIM - PRESENTED BY FLUITEC

Time	Hall 1
9:00 am – 10:30 am	Optimizing lubricant programs for rotating equipment Part I Jo Ameye, FLUITEC Rüdiger Krethe, OilDoc GmbH Sanya Mathura, Strategic Reliability Solutions Elona Rista, Solar Turbines
10:30 am – 11:00 am	Coffee & Snacks
11:00 am – 12:30 pm	Optimizing lubricant programs for rotating equipment Part II Jo Ameye, FLUITEC Dr. Ludger Quick, previously Siemens Energy Greg Livingstone, FLUITEC
12:30 pm – 01:30 pm	GRAB & GO LUNCH

More details on this special workshop will be published soon!

OR

- ✓ **Excursion:** Cog railway tour to the top of the Wendelstein (1,723 m above sealevel) incl. technical information on the traditional cog railway, „White Sausage Express“ & easy hiking the Summit & Panoramic Trail (optional)

Otto von Steinbeis achieved a pioneering engineering masterpiece with the construction of an electric cog railway on the Wendelstein between 1910 and 1912. The journey up to the Wendelstein is an unforgettable experience in itself as it passes through lush flowering alpine meadows, shady forests and over jagged cliffs!

Meeting point: 9:30 am at Brannenburg valley station, Bus-Shuttle leaves KU'KO at 8:45 am (pre-register!) ending at 1:30 pm at Brannenburg valley station



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Location

KUKO, Conference Center (www.kuko.de), Kufsteiner Strasse 4
D-83022 Rosenheim (inner city)
50 km from Munich, 70 km from Salzburg

Rosenheim is a central spot on the way between Munich and Salzburg and has a lot to offer. You will enjoy your stage in one of the most beautiful towns of Bavaria.



Contact

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