

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

DAY 1 – TUESDAY, MAY 13, 2025			
09.00 am – 10.00 am	Opening: Petra Bots & Rüdiger Krethe (OilDoc) Plenary lecture: N.N. 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	OIL ANALYSIS METHODS Oxidation revealed: A deep dive into TOST testing Vincent Bouillon Eurofins BfB Oil Research S.A. Biohydraulic oils in stress test – Can the „Wet“ TOST test provide additional insights? Carsten Heine OELCHECK GmbH Laboratory methods for evaluating the performance and optimization of hydraulic oils in industrial equipment Christoph Schneidhofer AC²T research GmbH	WIND POWER LUBRICATION Assessment of blade bearing greases performance with water contamination and grease mixtures Ulf Rieper Shell Deutschland Oil GmbH Case analysis of wind turbine gearbox lubrication failure Yesid Antinio Gomez Lubrication Management S.L. Damage prevention in main bearings and gearboxes – Don't give WECs (white etching cracks) a chance Stefan Bill Rewitec GmbH	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 Heat transfer fluid recycling – practical experience Vit Henych CLASSIC Oil s.r.o.
12:30 am – 02:00 pm	Lunch		
02:00 pm – 03:30 pm	OIL SENSORS Online monitoring of total water contamination in lubricants combining NIR moisture sensors and optical imaging particle detection Dr. Guillermo Miró Atten2 Oil condition monitoring using multi-functional compact near-infrared spectroscopic sensor Dr. Kyoko Kojima Hitachi Ltd Online fluid condition monitoring using both optical and electrical properties sensing Timothy Mack Gastops Ltd.	LUBRICANTS – HEALTH & ENVIRONMENT Lubricants: Update on legal & health aspects Dr. Stefan Baumgärtel VSI Verband Schmierstoff-Industrie e.V. On razor's edge: Balancing performance and sustainability for next-generation hydraulic fluids Dr. Leon Maser Addinol Lube Oil GmbH Lubrication in special environments Ralf Gernitz Shell Deutschland Oil GmbH	VARNISH MITIGATION Correlation between lube oil condition & bearing temperatures Greg Livingstone Fluitec US 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
03:30 pm – 04:00 pm	Coffee & Snacks		
04.00 pm – 06:00 pm	OIL ANALYSIS METHODS Oil Condition Monitoring (OCM) with FTIR spectroscopy – Comparison, challenges and solutions Christoph Schneidhofer AC²T research GmbH Comparing new ASTM methods for FTIR analysis of fluid condition David Swanson POLARIS Laboratories New infrared absorption method for field instruments Matthias Winkler CM Technologies 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 Influence of operating parameters on the oxidation rate of gear oils in real operation Dr. Lukas Hafner Evamo Pump Technology Solutions PS 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.
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 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>N.N. Carsten Giebeler</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>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 Pragma Reliability, Spain</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 Dr. Christoph Rohbogner OELCHECK GmbH</p> <p>Wire corrosion and conductive layer deposits: The development of bench test technology for electric vehicle drivetrains Greg Miiller SAVANT Inc.</p> <p>Coolant analysis: A key to complete asset management Emily Featherston POLARIS Laboratories®</p>	<p>H2-INFLUENCE ON LUBRICATION</p> <p>Lubrication challenges and bearing failures in screw compressors for hydrogen and methane gas transport Dr. Maria Valentne Sutyinszki MOL-LUB</p> <p>Impact of the lubricating oil chemistry on the knock sensitivity of a gas engine running on hydrogen Thijs Schasfoort Petro-Canada Lubricants Inc.</p> <p>N.N.</p>	<p>CONTAMINATION CONTROL</p> <p>Defining the right contamination control strategy Guido Bertels DES-CASE</p> <p>Optimized liquid coalescence for improved water removal from hydrocarbon lubricating oils Dr. John K. Duchowski Hydac FluidCareCenter GmbH</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>GREASES & GREASE ANALYSIS</p> <p>Modelling of oil separation from lubricating greases with the equation of Carman and Kozeny Gizem Balkiz Ibishükcü Carl Bechem GmbH</p> <p>Criteria based grease analysis screening and advanced sampling techniques Richard N. Wurzbach MRG Labs</p> <p>Modern Grease analysis in industry Jakub Chlodek ECOL Sp. z.o.o.</p>	<p>LUBRICANTS & LUBRICATION</p> <p>Shear stability and thermal performance analysis of engine oils for electric vehicles Fabio Alemanno, Ducom Instruments (Europe) B.V.</p> <p>Optimal lubrication of roller chains & conveyor chains Alexander Frankenstein FB Ketten Handelsgesellschaft mbH</p> <p>N.N.</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>LAB AUTOMATION</p> <p>The effect of temperature variation on NIR prediction results Dr. Nicolas Rühl Metrohm AG</p> <p>Robotic arm to ASSIST RDE spectroscopy automation Guiseppe P. Adriani Mecoil Diagnosi Meccaniche S.r.l.</p> <p>Maximizing laboratory efficiency: Advantages of high-throughput compact sample aliquoting, analysis, and digitization Rainer Kösters HF Innovation GmbH</p>	<p>LUBRICANTS & LUBRICATION</p> <p>Enhancing lubricant performance with Alkylated Naphthalene Luka Jazbec ExxonMobil Czech Republic</p> <p>A look at the process chain – what comes after metalworking and forming? Focus on cleaning and corrosion protection Kerstin Zübert Hermann Bantleon GmbH</p> <p>N.N.</p>	<p>LUBRICATION MANAGEMENT</p> <p>The impact of oil additives on oil electrical conductivity 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> <p>N.N.</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	Ölanalysen: Laborberichte verstehen (in German) Andrea Schreiner & Carsten Heine OELCHECK GmbH	Test methods in practice
11:00 am – 11:30 am	Coffee & Snacks	
11:30 am – 1:00 pm	Understanding oil analysis reports (in English) Andrea Schreiner & Carsten Heine OELCHECK GmbH	OELCHECK LAB-TOUR II Test methods in practice
1:00 pm – 01:30 pm	GRAB & GO LUNCH	

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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Until March 31, 2025 you register at the **Early Bird Rate!**

Early Bird Rate: 899 € + VAT

(Regular Rate: 995 € + VAT)

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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

Rüdiger Krethe, Dipl.-Ing. – Chairman Planning Committee
Susanne Stadler – Registration & Information

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More information & Registration:
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