



The OilDoc Conference and Exhibition – your special event.
99 presentations, 25 sessions and a major international exhibition

- To meet:**
- ✓ Leading engineers presenting their success stories and knowledge.
 - ✓ Application experts.
 - ✓ Researchers and acknowledged scientists.
- To showcase and demonstrate:**
- ✓ Innovative solutions for the application of lubricants.
 - ✓ Your latest products and services.
 - ✓ The results of your current research and scientific discoveries.
- To benefit from:**
- ✓ A lot of valuable ideas how to optimize and market your products and/or services.
 - ✓ New suggestions to cope with the lubrication and maintenance challenges in your daily activities.
 - ✓ Excellent networking opportunities during the official part of the conference and the social events.



Exhibition for lubricants, maintenance and tribology

During the 2015 OilDoc Conference an daily exhibition is organized. You will find a full range of services and products from international exhibitors.

Exhibition Hours:

| | |
|---------------------------------------|--------------------|
| Tuesday, January 27 th : | 08.00 am – 6.30 pm |
| Wednesday, January 28 th : | 08.00 am – 6.00 pm |
| Thursday, January 29 th : | 08.00 am – 2.30 pm |

An excerpt of the exhibitor list (State November 2014):



Get together

- ✓ Come together Jazz Party on January 27th
- ✓ Traditional Bavarian evening (Little Oktoberfest) on January 28th
- ✓ **Special recommendation:** Extend your conference journey and go to Munich or Salzburg. Both are really nearby! We advise you how to travel and where to stay.



Registration
Do not miss the Early Bird Discount – participation fee for registration prior September 30th, 2014 is 895,- € + VAT only

Regular participation fee is EUR 995.- + VAT
5% discount with simultaneous application of three or more employees of a company/institute or for members of the ICML or STLE (just enter your member number in the registration form)

1-day-tickets
For the first time we now offer you 1-day-tickets:
 1-day-ticket valid on Jan. 27, 2015 = 499.- + VAT
 1-day-ticket valid on Jan. 28, 2015 = 499.- + VAT
 1-day-ticket valid on Jan. 29, 2015 = 399.- + VAT

Register now at anmeldung.oildoc.de/

- Registration fee includes:**
- ✓ Participation at the presentations
 - ✓ Access to the exhibition
 - ✓ Lunch buffet, coffee/tea and snacks during breaks
 - ✓ Conference bag, proceedings
 - ✓ Bus transfer from selected hotels to the conference center
 - ✓ Dinner events: Come-together Party on Tuesday and Little Oktoberfest on Wednesday (Please note, that a 1-day-ticket entitles you to access the venue and the particular dinner event ONLY on the selected date!)



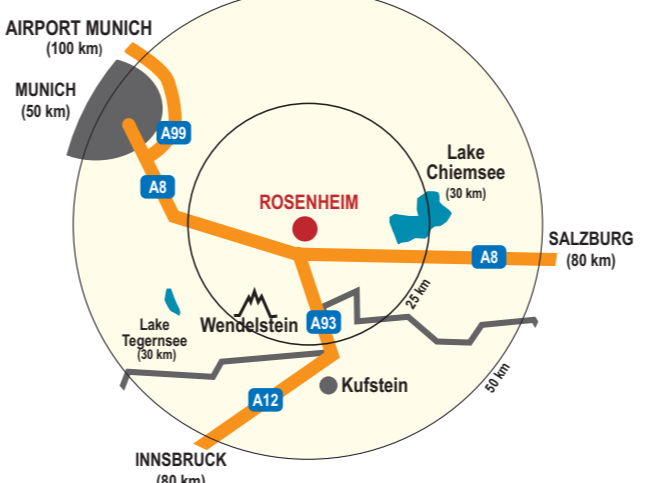
Travel
 The distance from Munich International Airport to Rosenheim is 98 km, from Salzburg Airport 82 km. The venue is situated at motorway A8 Munich/Salzburg and easily accessible. The journey from the airport takes about one hour.

Hotel Booking at special rates
 We reserved a limited number of rooms at different local hotels in various price categories. A list with all hotels can be found on our website. To book rooms at special rates in these hotels please use the promotional code „OilDoc Conference 2015“. We offer a shuttle-bus service for all listed hotels that are not in walking distance to the venue.

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



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.



Advertising and Promotion
 At the 2015 OilDoc Conference and Exhibition you will contact and get to know the most important decision makers. There is nearly no better way to reach them all. OilDoc offers a whole range of possibilities for classic advertising as shown in our catalogue and extraordinary promotion activities as well. If you are interested, please contact our promotion experts. They will advise you!



Optimize your visit!

- ✓ Register for the special workshops on January 29th with Jim Fitch (NORIA) and Jack Poley (CMI)
- ✓ Visit the state-of-the-art OELCHECK oil-analysis-laboratory.
- ✓ Bring your spouse, extend your conference journey and go to Munich, Innsbruck, Salzburg or Italy. We advise you how to travel and where to stay.
- ✓ Finally get your CLS-certification and join the CLS Training & Certification Course with Ray Thibault from February 02.-04., 2015

All details: www.oildoc-conference.com

Special add-on workshops on Thursday, January 29th
Lubrication Excellence Manager's Summit
Presenter: Jim Fitch, Noria Corporation
 There's a revolution occurring. Managers who once desired machine reliability now demand it ... This movement has let companies in all industries to take control of reliability by reinventing their lubrication programs. Those who are responding to the challenge are seeing amazing results ... on the bottom line, where it counts most. The change goes beyond simply using better lubricants. The leaders are employing technologies, empowering employees and building ultramodern new practices – creating new and energized reliability culture.
When and Where? „Cafeteria“ in the KU'KO venue, 10.00-13.30 am

Intelligent Oil Analysis Evaluation and Management
Presenter: Jack Poley, CMI (Condition Monitoring International, LLC)
 Evaluation technique – what it consists of – how it is affected. Examples of evaluation exercises using automated support and real-world problems.
When and Where Hall 3 in the KU'KO venue, 2.30-6.00 pm
Registration fee: 25,- € + VAT (for each workshop)

Get the new OilDoc App!

The OilDoc Conference and Exhibition 2015 is fast approaching. Get ready by reviewing sessions and saving them to your personal agenda.
eventmobi.com/oildoc2015

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OilDoc Conference & Exhibition

Jan. 27-29, 2015
Bavaria · Germany

Lubricants Maintenance Tribology

The trend-setting event in the heart of Europe

The OilDoc Conference and Exhibition offers again a high quality program, a first class speaker line-up, a lot of international networking opportunities and a major international exhibition additional to the conference.

- Main Topics**
- ✓ **Condition Monitoring – Safety to the max**
 Insights of the latest developments of condition monitoring techniques and oil analysis technology
 - ✓ **Lubrication per excellence**
 How maintenance experts meet the increasing challenges of lubrication
 - ✓ **Fluid Management – Getting things done**
 Save money and eliminate production risks with an optimized selection, handling and storage of lubricants
 - ✓ **Let's talk about tribology**
 State of the art of Science and Technology – New aspects to intense discussions



25 Sessions with 99 presentations from high-class speakers

- ✓ **Conference language: English**
- ✓ Get to know all recent developments and be prepared for future opportunities and risks
- ✓ Meet the international key experts at one event
- ✓ Excellent networking opportunities
- ✓ Just 50 km from Munich, Innsbruck and Salzburg and its international airports
- ✓ Grand Exhibition with international companies
- ✓ Top Social Events & Little Oktoberfest

www.oildoc-conference.com

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OilDoc Conference and Exhibiton 2015 Program

State: November 2014. Subject to change.

| DAY 1 – TUESDAY, JAN. 27 TH , 2015 | | | |
|---|---|---|--|
| 08:30 am – 09:30 am | Plenary Session Grand Opening of the OilDoc Conference and Exhibition – Peter Weismann, OELCHECK & Rüdiger Krethe, OilDoc GmbH Key Note Speaker Dipl.-Ing. Mathias Dieter, HYDAC FluidCareCenter GmbH Applying and conditioning hydraulic and gearbox fluids – Development trends, challenges and innovation examples | | |
| 09:30 am – 10:00 am | Coffee & Snacks | | |
| 10:00 am – 12:00 am | Hall 1 OIL ANALYSIS EVALUATION The data visualization and infomatics tool box for the in-service fluid analysis world James Adams PerkinElmer Life and Analytical Sciences The data visualization and infomatics tools – application examples Dr. David L. Wooton Wooton-Consulting Automated intelligent agents: delivering full value to In-Service Fluid Analysis (ISFA), a.k.a. “Oil Analysis” Jack Poley CMI Condition Monitoring International Importance of oil cleanliness and impact of sample preparation and methodology Steffen Bots OELCHECK GmbH | Hall 2 ENERGY EFFICIENCY Energy sources for the future – tribological aspects of water and wind energy plants Prof. Dr.-Ing. Wilfried Bartz Technische Akademie Esslingen The role that synthetic lubricants have in improving energy efficiency Sandy Reid-Peters ExxonMobile Chemical Ud Reducing energy consumption in hydraulics Willem ter Stege Exxon Mobil - Esso Nederland B.V. | Hall 3 ENVIRONMENTAL ASPECTS Biolubricants – How to choose the right ultimate biodegradability test method Vincent Bouillon BfB Oil Research S.A. Biodegradation tests: The importance of microbial activity for reliable test results Dr. Martin Völtz Water-soluble PAG’s – The ONLY ‘non-sheening’ EAL Kevin P. Kovanda American Chemical Technologies, Inc. |
| 12:00 am – 01:30 pm | Lunch | | |
| 01:30 pm – 03:00 pm | CONDITION MONITORING I Determination of a bearings operating conditions during the working process by means of BeMoS® Christoph Brückner BestSens AG On-board condition monitoring of marine cylinder oil Dr. Stuart Lunt Parker Hannifin Corporation In-line multi-parameter oil condition monitoring system for bio-gas operated stationary engines Christoph Schneidhofer AC²T research GmbH | TURBINES Quo Vadis – gas turbine oils? Dr. Karin Baumann Lukoil Lubricants Austria GmbH Investigating the feasibility of fill-for-life turbine oils Greg Livingstone Fluitec International A new generation turbine fluids – high-performance bio lubricants Prof. Dr. Thomas Norrby Nynas AB | TRIBOLOGY I Critical remarks on the coefficient of friction – temperature diagram Prof. Dr. Joachim Schulz WISURA GmbH Friction measurement of additives by SRV and drawing tests Wilhelm Rehbein Rhein Chemie Rheinau GmbH A new approach to characterize start-stop motions Frederik Wolf Anton Paar Germany GmbH |
| 03:00 pm – 03:30 pm | Coffee & Snacks | | |
| 03:30 pm – 05:30 pm | OIL ANALYSIS METHODS I Review of different methods for oxidation products quantification in-service lubricant oils using Fourier Transform Infrared (FT-IR) Spectrometry Yesid Antonio Gómez Fundacion Tekniker Prediction of high base reserves by FTIR spectroscopy used for marine cylinder oils Alexander Graff AC²T research GmbH A study regarding variation in oxidation inhibition of base oils Jonathan Evans SAVANT, Inc. | WIND TURBINES Detection of a mixture of different oil types in gearboxes of wind turbines Andy Böhme OELCHECK GmbH Lubrication and criteria for lubricants of gearboxes for windturbines Dr.-Ing. Frank-Dieter Krull Eickhoff Antriebstechnik GmbH Oil sensors test bench – an approach to validate oil condition monitoring systems for wind turbine applications Diego Alejandro Coronado Guzman Fraunhofer Institut | TRIBOLOGY II by TAE Tribological in-site evaluation of lubricated contacts of real-life engineering materials Prof. Dr. mont. Florian Grün Montanuniversität Leoben Visualization of lubricant distributions by means of neutron imaging as a non-destructive test method Dr. Christian Grünzweig Neutron Imaging and Activation Chlorinated additives – an often misinterpreted type of additives Prof. Dr. Joachim Schulz WISURA GmbH |
| | RPVOT pressure drop signatures Andrew Sitton Focus Laboratories Ltd. | Classification of wear particles in wind power main bearing Michael Lindner OELCHECK GmbH | Novel liquid crystal fluids as for-life lubricants in micromechanical sliding bearings Susanne Beyer-Faiss Dr. Tillwisch GmbH |

| DAY 2 – WEDNESDAY, JAN. 28 TH , 2015 | | | | |
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| | Hall 1 | Hall 2 | Hall 3 | Hall 4 * |
| 08:30 am – 10:00 am | ONSITE ANALYSIS Smart solutions for on-site oil analysis – Experiences in viscosity measurements of in-service oils Dr. Franz Novotny-Farkas Lukoil Lubricants Austria GmbH New portable FTIR-spectrometer for on-site oil condition monitoring Niklas Christensson eralytics GmbH | GEARS Temperature reduction using PD additives Michael Möller BP Europa SE The effects of base oil exchange in a PAO based gear oil Kirsten Schwörer BP Europa SE | LUBRICANTS – HEALTH & LEGISLATIVE European legislative process for chemicals and its meaning for the lubricant market Dr. Stephan Baumgärtel VSI - Verband Schmierstoff-Industrie e.V. The history and future of food processing lubricants Tyler Housel Inolex Chemical | VARNISH & VARNISH REMOVAL N.N. Rüdiger Krethe OilDoc GmbH How to reach safe operation of turbo compressors? Hydrodynamic cleaning and turbulent oil flushing of oil systems Tomás Klíma ECOL Sp. z o.o. Removal of deposits in hydraulic and lubricating systems – A new concept compared to state of the art methods Hendrik Karl Fuchs Europe Schmierstoffe GmbH |
| 10:00 am – 10:30 am | Coffee & Snacks | | | |
| 10:30 am – 12:00 am | PARTICLE COUNTING Online particle counting as CBM tool – huge savings are waiting to be picked Steffen D. Nyman C.C. Jensen A/S How additives affect new oil cleanliness John Sander Lubrication Engineers Inc. | METAL WORKING FLUIDS The use of multifunctional lubricants along the value chain of metalworking processes – a pathway for sustainability Dr. Jens Ostrowski Carl Bechem GmbH European trends in metalworking fluid – influenced by new material and specific legislation Carmen Freiler Fuchs Europe Schmierstoffe GmbH | LUBRICATION & ADDITIVES Performance of Novel Organic Polymeric Friction Modifiers on DLC coatings Aitziber Viadas Croda Europe Ltd. Research the wear resistance of Ti/TiN/TiCN/nc-TiCN:a-c/ncTiC:a-c/a-c nanocomposite coating on 1.2343 steel Prof. Dr.-Ing. Georgi Mishev University of food technologies (UFT) Development of new reactive white solid lubricant pastes for preventing fretting wear Simon Weber Westsächsische Hochschule Zwickau | GLOBAL DEVELOPMENTS First results of a new global oil and lubricants proficiency testing scheme Dr. Julian Schwarz LGC Standards GmbH China and the road to lubricant efficiency Paul Turner OLM Group China |
| 12:00 am – 01:30 pm | Lunch | | | |
| 01:30 pm – 03:00 pm | OIL ANALYSIS METHODS II New ASTM standard for the determination of the ipH-value Dr. Thomas Fischer OELCHECK GmbH | SPECIAL APPLICATIONS Fire-resistant hydraulic fluids – the rest of the story, the toxic combustion by-products Rudolf M.H. Schulze Schulze & Partner ACT Europe | GWP Surface analysis: Probing the solid/liquid interface Dr. Birgit Hagenhoff tascon GmbH Analytical Services and Consulting | LUBRICANTS Industrial gear oils – an example of how to supply chain considerations trigger new technical developments Dr. René Koschabek Evonik Industries AG Antioxidants monitoring as part of lubricant diagnostics – Part I Jo Amey FLUITEC N.V. Antioxidants monitoring as part of lubricant diagnostics – Case Studies – Part II Greg Livingstone Fluitec International |
| 03:00 pm – 03:30 pm | Coffee & Snacks | | | |
| 03:30 pm – 04:30 pm | OIL ANALYSIS METHODS III A state-of-the-art colorimetric patch analyses of turbine oils Norbert Becker N. Becker Ingenieurbüro + Vertrieb A method for controlled oxidation of lube and hydraulic oils and investigation of the effects on oil parameters Morten Henneberg C.C. Jensen A/S | ENGINES Development of next generation heavy-duty engine oils for improved fuel economy Ruud ter Rele Chevron Oronite Technology B.V. Engine oil change intervals in China Andrew Zeng OELCHECK China Ltd. | LUBRICATION & MAINTENANCE Oil re-circulating lubrication systems for industrial applications Hans-Georg Weber SKF Lubrication Systems Germany AG Deairation in combination with optimized reservoir design Marco van Boven Parker Hannifin GmbH&Co.KG | * sorry, no simultaneous translation available in hall 4 |

| DAY 2 – WEDNESDAY, JAN. 28 RD , 2015 | | | |
|---|---|--|--|
| | Hall 1 | Hall 2 | Hall 3 |
| 04:30 pm – 05:30 pm | OIL ANALYSIS METHODS III Getting to the root of wear – combining particle imaging and quantitative debris analysis Dr. Patrick F. Henning Spectro Scientific Ultra Fast GC Dennis Hoogendonk OmniTek B.V. | ENGINES Effects of fuel dilution on today's engine oils Jonathan Rudnicki Analysts, Inc. Tribology of CAM – Rolling and flat face follower mechanism Saleh Akbarzadeh Isfahan University of Technology | LUBRICATION & MAINTENANCE Reservoir optimisation of the future Andreas Busch HYDAC Filter Systems GmbH Mechanical services & coatings onsite Uwe Lehr Voith Paper GmbH&Co.KG |
| | DAY 3 – THURSDAY, JAN. 29TH, 2015 | | |
| 08:30 am – 11:00 am | CONDITION MONITORING II Using vibration analysis to detect ineffective lubrication Matthias Winkler CM Technologies GmbH | LUBRICATION MANAGEMENT Visy Paper: Back to basic, forward to world-class lubrication Suzy Hitchcock ICML Novel approach to using failure modes and criticality to optimize the design of lubricant and machine condition monitoring programs James C. Fitch Noria Corporation Implementing a best-practice lubrication program Bennett Fitch CM Technologies GmbH Future trends in tribology and lubrication engineering Dr. Robert M. Gresham STLE | BASE OILS High temperature resistant silicone fluids with enhanced lubricity characteristics Aleksandra Nevskaya Dow Corning GmbH PAG Based Lubricants – Present and new possible areas of application Michael Markschläger PHI OIL GmbH Lubrication performance of Pyrrolidinium BMB ionic liquids Prof. Dr. Sergei Glavatskih KTH Royal Institute of Technology Water-based viscous lubricants – a modern, sustainable and technically advanced replacement for non-water soluble lubricants Heinz Dwuletzki Carl Bechem GmbH |
| 11:00 am – 11:30 am | Coffee & Snacks | | |
| 11:30 am – 01:30 pm | CONDITION MONITORING III Importance of oil analysis in the condition monitoring program of slow speed machinery Elmar Steffens I-Care Deutschland GmbH Electron spin resonance spectra of Butylated Hydroxytoluene (BHT) as evidence of free radical formation in Electrostatic Discharge (ESD) damaged lubricating oils Dr. John K. Duchowski HYDAC FluidCareCenter GmbH Micro-ESR: In-site measurement of oil condition using miniaturized electron spin resonance spectroscopy James White Active Spectrum Inc. | GREASES Synthetic complex Lithium grease for increased steel rolling mills productivity & reliability Mahmoud A. Abdel Shafy ExxonMobil Egypt (S.A.E.) Low temperature behaviour of lubricating greases based on mineral oils with different refining degree Luis Bastardo-Zambrano Nynasab | TRIBOTESTING Using tribology test equipment to help improve fuel economy – a review Dr. Rich Baker PCS Instruments Advantages of in-house testing facilities for the development of high-performance lubricants Christian Retschke Addinol Lube Oil GmbH |
| 01:30 pm – 02:30 pm | Farewell Address & Lunch | | |