

OilDoc Conference and Exhibiton 2015 Program

State: January 25th, 2015. Subject to change.

DAY 1 – TUESDAY, JAN. 27TH, 2015

08:30 am – 09:30 am	Plenary Session Grand Opening of the OilDoc Conference and Exhibition – Peter Weismann (OELCHECK), Rüdiger Krethe (OilDoc), Otto Lederer (Bavarian Parliament), Gabriele Bauer (Mayor Rosenheim) Key Note Speaker Dipl.-Ing. Mathias Dieter, HYDAC FluidCareCenter GmbH Influence of system design, filtration and condition monitoring on machines, lubricants or fluids		
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 Andrea Passoni 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 Wind turbine gear oils – 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 ExxonMobil Chemical Ud Reducing energy consumption in hydraulics Willem ter Stege ExxonMobil - Esso Nederland B.V. Hydraulic oil – increase of the energy efficiency of industrial plants Christoph Baumann Hermann Mogler Mineralölgroßhandlung GmbH	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. Lubricants with re-refined base oils – a bright future? Réne Schwerin AVISTA OIL Refining & Trading Deutschland GmbH
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 AC ² T research GmbH	TURBINES Quo Vadis – gas turbine oils? Dr. Ameneh Schneider Lukoil Lubricants Austria GmbH Investigating the feasibility of fill-for-life turbine oils Greg Livingstone Fluitem International PAG’s – Non-Varnishing Alternatives for the Power Generation Industry Kevin P. Kovanda American Chemical Technologies, Inc.	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 Grafl AC ² T research GmbH A study regarding variation in oxidation inhibition of base oils Jonathan Evans SAVANT, Inc RPVOT pressure drop signatures Andrew Sitton Focus Laboratories Ltd.	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 Classification of wear particles in wind power main bearing Michael Lindner OELCHECK GmbH	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 Novel liquid crystal fluids as for-life lubricants in sliding bearings Susanne Beyer-Faiss Dr. Tillwich GmbH

Hall 1

Hall 2

Hall 3

Hall 4 *

ONSITE ANALYSIS

GEARS

LUBRICANTS –
HEALTH & LEGISLATIVE

VARNISH & VARNISH REMOVAL

08:30 am – 10:00 am

Smart solutions for on-site oil analysis – Experiences in viscosity measurements of in-service oils
Dr. Franz Novotny-Farkas
Lukoil Lubricants Austria GmbH

Temperature reduction using PD additives
Michael Möller
BP Europa SE

European legislative process for chemicals and its meaning for the lubricant market
Dr. Stephan Baumgärtel
VSI - Verband Schmierstoff-Industrie e.V.

Varnish and sludge: A present problem not only in turbine oil systems
Rüdiger Krethe
OilDoc GmbH

New portable FTIR-spectrometer for on-site oil condition monitoring
Niklas Christensson
eralytics GmbH

The effects of base oil exchange in a PAO based gear oil
Kirsten Schwörer
BP Europa SE

The history and future of food processing lubricants
Tyler Housel
Inolex Chemical

How to reach safe operation of turbo compressors? Hydrodynamic cleaning and turbulent oil flushing of oil systems
Tomás Klíma
ECOL Sp. z o.o.

Sub-micron particle contamination in non-aqueous hydraulic fluids and their effect on system and fluid performance
Dr. George Staniewski
OPG Ontario Power Generation

Foaming and air release characteristics of industrial gear oils – standardized test procedures and practical experiences
Rüdiger Krethe
OilDoc GmbH

High temperature chain oil lubrication in the food industry and related industries with H1-registered lubricants
Manfred Plötz
Bremer & Leguil GmbH

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**

PARTICLE COUNTING

METAL WORKING FLUIDS

LUBRICATION & ADDITIVES

GLOBAL DEVELOPMENTS

10:30 am – 12:00 am

Online particle counting as CBM tool – huge savings are waiting to be picked
Steffen D. Nyman
C.C. Jensen A/S

The use of multifunctional lubricants along the value chain of metalworking processes – a pathway for sustainability
Dr. Jens Ostrowski
Carl Bechem GmbH

Performance of Novel Organic Polymeric Friction Modifiers on DLC coatings
Aitziber Viadas
Croda Europe Ltd.

First results of a new global oil and lubricants proficiency testing scheme
Dr. Julian Schwarz
LGC Standards GmbH

Beware of ghosts when performing particle count testing on lubricants
John Sander
Lubrication Engineers Inc.

Wax based corrosion protection – substitution of solvent with water
Rüdiger Schiffer
OKS Spezialschmierstoffe GmbH

Development of new reactive white solid lubricant pastes for preventing fretting wear
Simon Weber
Westfälische Hochschule Zwickau

China and the road to lubricant efficiency
Paul Turner
OLM Group China

Performing particle counting on opaque and heavily contaminated samples
Bill Jr. Quesnel
CINRG Systems Inc.

Development of an innovative honing and grinding oil
Rita Brunklaus
ML Lubrication

Wi-care wireless spectral vibration sensor
Fabrice Brion
I-Care sprl

12:00 am – 01:30 pm – **Lunch**

OIL ANALYSIS METHODS II

SPECIAL APPLICATIONS

SURFACE & PARTICLE ANALYSIS

LUBRICANTS

01:30 pm – 03:00 pm

New ASTM standard for the determination of the ipH-value
Dr. Thomas Fischer
OELCHECK GmbH

Fire-resistant hydraulic fluids – the rest of the story, the toxic combustion by-products
Rudolf M.H. Schulze
Schulze & Partner ACT Europe

Surface analysis: Probing the solid/liquid interface
Dr. Birgit Hagenhoff
tascon GmbH Analytical Services and Consulting

Industrial gear oils – an example of how to supply chain considerations trigger new technical developments
Dr. René Koschabek
Evonik Industries AG

Determination of the water content in lubrication oils, greases and polyol-based hydraulic oils
Dr. Christian Haider
Metrohm AG

Greases evaluation in plastic-metal contact
Jiri Valdauf
LUBRICANT s.r.o.

Particle-check: Isolation & identification of single particles
Dr. Julius A. Nickl
GWP Gesellschaft für Werkstoffprüfung mbH

Antioxidants monitoring as part of lubricant diagnostics – Part I
Jo Ameye
FLUITEC N.V.

Tribological pointers for the early detection and diagnosis of lubrication starvation, overloading or misalignment
Dr. Violet Leavers
V4L Group

Standardised fuels and lubricants for military applications
Johannes Bader
Wehrwissenschaftliches Institut

Gears and bearings in wind turbines – recognized damage patterns
Dr. Thomas Griggel
Allianz Global Corporate & Specialty AG

Antioxidants monitoring as part of lubricant diagnostics – Case Studies – Part II
Greg Livingstone
Fluitec International

03:00 pm – 03:30 pm – **Coffee & Snacks**

OIL ANALYSIS METHODS III

ENGINES

LUBRICATION & MAINTENANCE

03:30 pm – 04:30 pm

A state-of-the-art colorimetric patch analyses of turbine oils
Norbert Becker
N. Becker Ingenieurbüro + Vertrieb

Development of next generation heavy-duty engine oils for improved fuel economy
Ruud ter Rele
Chevron Oronite Technology B.V.

Oil re-circulating lubrication systems for industrial applications
Hans-Georg Weber
SKF Lubrication Systems Germany AG

* sorry, no simultaneous translation available in hall 4

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

Engine oil change intervals in China
Andrew Zeng
OELCHECK China Ltd.

Reservoir optimisation of the future
Andreas Busch
HYDAC Filter Systems GmbH

DAY 2 – WEDNESDAY, JAN. 28RD, 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 Oil condition monitoring of modern lubricants – a paradigm shift in oil analysis Stefan Mitterer OELCHECK GmbH Special features of analysis and reports for 2-stroke marine diesel engine oils Carsten Heine OELCHECK GmbH	LUBRICATION & MAINTENANCE Mechanical services & coatings onsite Uwe Lehr Voith Paper GmbH&Co.KG Considerations on compatibility issues of industrial lubricants Dr. Franz Novotny-Farkas Lukoil Lubricants Austria GmbH

DAY 3 – THURSDAY, JAN. 29TH, 2015

	Hall 1	Hall 2	Hall 3
08:30 am – 11:00 am	CONDITION MONITORING II Using vibration analysis to detect ineffective lubrication Matthias Winkler CM Technologies GmbH GearControl – The smart gearbox Michael Stroi, Edwin Kimpl Eisenbeiss GmbH Iron – one of the key wear indicators for used oil analysis Dr. Frank Bernier CM Technologies GmbH Immediate detection of damages on engine and transmission test stands by online particulate measurement Prof. Dr.-Ing. Peter Martin Innosiris GmbH Condition monitoring and preventive maintenance of gears Achim Oebel Multigear 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 Noria Corporation Future trends in tribology and lubrication engineering Dr. Robert M. Gresham STLE Intelligent lubrication management software Mouad Chemaou PROCEDYS	BASE OILS High temperature resistant silicone fluids with enhanced lubricity characteristics Aleksandra Nevskaya Dow Corning 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 Dwuletzi Carl Bechem GmbH Conductive lubricants for functional tribo-systems Dr. Andreas Kailer Fraunhofer-Institut für Werkstoffmechanik Self organized nanoquantum solid lubricant Prof. Dr. Sergej Fedorov Kaliningrad State Technical University
11:00 am – 11:30 am	Coffee & Snacks		
11:30 am – 01:30 pm	OIL 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 miniature electron spin resonance spectroscopy James White Active Spectrum Inc. Understanding of interactions – from analytical data to simulated explanation Dr. Bernd Görlach ASC Görlach	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 Sampling methods outlined in the American Society for Testing and Materials (ASTM) standard D7718 Richard N. Wurzbach MRG Labs Analysis of lubricating greases in terms of their energy-efficient effect Philipp Staub Klüber Lubrication München SE&Co.KG	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 The TTT Tapping-Torque-Testsystem for the determination and interpretation of evaluation-parameters of tribological effects of substances, ingredients and elements in lubricants Klaus Maximilian Müller Microtap GmbH Modular Automation Markus Bodlos Anton Paar GmbH
01:30 pm – 02:30 pm	Farewell Address & Lunch		



Registration

Registration fee after is EUR 995.- + VAT

Three or more conference registrations of one company/institution get a discount of 5 %!

Speakers pay a reduced participation fee (EUR 150.- + VAT).

Co-authors are charged the full fee.

Registration fee includes:

- ✓ Participation at the presentations
- ✓ Access to the exhibition
- ✓ Lunch buffet, coffee/tea and snacks during breaks
- ✓ Dinner events:
 - Come-together Party on Tuesday and Little Oktoberfest on Wednesday
- ✓ Conference bag, proceedings
- ✓ Bus transfers from selected hotels to the conference center

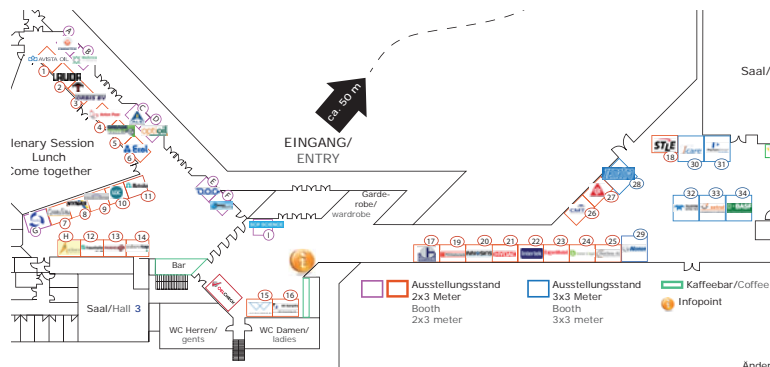
Exhibition

During the 2015 OilDoc Conference an exhibition is organized. OilDoc kindly invite you to participate. A list of exhibitors will be published in the invitations to the conference distributed worldwide and on the website www.oildoc.com.

We offer system booths with white rear and side walls and an electrical connection with three plug sockets.

- A) System booth 2x3 m incl. 1 person booth manning EUR 1.850,- + MwSt.
- B) System booth 2x3 m incl. 3 persons booth manning EUR 3.650,- + MwSt.
- C) System booth 3x3 m incl. 1 person booth manning EUR 2.120,- + MwSt.

Additional equipment as seats, desks, boards, spotlights etc. on request.



Social Events/Complementary Program

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



Promotion Partnership and Advertising

Together with OilDoc you make reality of something you have always wanted to do! 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 and extraordinary promotion activities as well.



If you are interested, please contact the organisation committee!
Our promotion experts will advise you.

Location

KUKO, Conference Center, Kufsteiner Strasse 4
D-83022 Rosenheim (inner city)
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.

Contact

Heads of Organisation Committee

Peter Weismann, Dipl.-Ing. – Chairman Planning Committee
Rüdiger Krethe, Dipl.-Ing. – Chairman Planning Committee
Bastian Gürth – Registration & Information

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