



## OilDoc Conference and Exhibiton 2013 Program

State: January 2013. Subject to change.

DAY 1 – TUESDAY, JAN. 22 <sup>ND</sup> , 2013				
08:30 am – 09:30 am	<b>Plenary Session</b> Grand Opening of the OilDoc Conference and Exhibition – Peter Weismann, OELCHECK Key Note Speaker Dr. Lutz Lindemann, Fuchs Petrolub AG: Lubricant development against the background of new raw materials			
09:30 am – 10:00 am	<b>Coffee</b>			
10:00 am – 12:00 am	<b>Hall 1</b>	<b>Hall 2</b>	<b>Hall 3</b>	
	<b>Engines I</b>	<b>Oil Condition Monitoring I</b>	<b>Tribology I</b>	
	<b>Potential benefits by introducing SAE 30 viscosity grade motor oil for stationary gas engines</b> Dr. Franz Novotny-Farkas OMV Refining & Marketing GmbH, Competence Center Lubes, Austria <b>Damage accumulation at diesel engines of the German Navy</b> Johannes Bader Bundeswehr Research Inst., Germany <b>Practical experiences with modern gas engine oils in CHPs with biogas</b> Jürgen Deckert ADDINOL Lube Oil GmbH, Germany <b>Determination of the impact of fuel gas quality on gas engine oil stability by use of specific artificial alteration</b> Alexander Grafl AC <sup>2</sup> T research GmbH, Austria	<b>21<sup>st</sup> Century condition monitoring</b> Jack Poley Condition Monitoring International LLC, USA  <b>Oil Analysis as a trouble shooting tool</b> Cary Forgeron Analysts Inc., USA  <b>Practical oriented limit values for different applications</b> Steffen Bots OELCHECK GmbH, Germany  <b>In pursuit of the optimum reference state (ORS) in fluid contamination control</b> Jim Fitch NORIA Corporation, USA	<b>Frictional profile of alternative steels and thin carbon containing coatings - a slip-rolling benchmark</b> Dr. Matthias Woydt BAM Federal Institute for Materials Research and Testing, Germany <b>Reaction of additives on different steel alloys</b> Philipp Staub Klüber Lubrication München KG, Germany <b>Energy criterion of oil film failure during friction and its applications</b> Prof. Dr. Sergey Vasily Fedorov Kaliningrad State University, Russia <b>Tribological characterization of HVOF hardfacing applied at parallel slide gate valves</b> Prof. Dr. Razvan George Ripeanu Petroleum-Gas University of Ploiesti, Romania	
12:00 am – 01:30 pm	<b>Lunch</b>			
01:30 pm – 03:00 pm	<b>Hydraulics I</b>	<b>Oil Sensors I</b>	<b>Tribology II</b>	
03:00 pm – 03:30 pm	<b>New fluid rating procedure and fluid test at Bosch Rexroth</b> Felizia Saile Bosch Rexroth AG, Germany  <b>New oil developments in hydraulic oil formulation for stationary and mobile applications</b> Wolfgang Bock Fuchs Europe GmbH, Germany <b>Improving fuel economy and productivity of off-highway equipment through DYNAVIS®-technology</b> Dr. Oliver Eyrisch Evonik Industries AG, Germany	<b>Cost reduction through online condition monitoring</b> Roman C. Krähling Argo-Hytos GmbH, Germany  <b>Condition monitoring – Online sensors, applications and comparison with laboratory analysis</b> Andreas Busch HYDAC Filter Systems GmbH, Germany <b>Miniaturized IR-Spectrometer for online oil condition monitoring tasks</b> Benjamin R. Wiesent Technische Universität München, Germany	<b>Compatibility of oil additives and elastomeric radial lip seals</b> Mathias Klaiber Institute of Machine Components, University of Stuttgart, Germany <b>From graphite-like a-c to diamond-like ta-c-coatings – friction and wear behaviour with specific lubricants</b> Dr. Volker Weihnacht Fraunhofer IWS, Germany	
	03:30 pm – 05:30 pm	<b>Coffee</b>		
		<b>Lubrication &amp; Skills</b>	<b>Wear Particle Monitoring</b>	<b>TAE I</b>
	<b>The story of Buzz</b> Ian Knight Enluse B.V., The Netherlands  <b>STLE: Innovation, education, and certification</b> Dr. Robert Gresham STLE, USA  <b>Measurable benefit of a Lubrication Certification Program – a case study</b> Suzy Jamieson ICML, USA  <b>Intermixing of oil</b> Karl Heidenreich Klüber Lubrication München KG, Germany	<b>Spectroscopic oil condition monitoring in the field</b> Dr. Stuart Lunt Kittiwake Developments Ltd., UK  <b>Advances in wear debris particle analysis with relevance to the needs of the on-site condition monitoring professional</b> Dr. Violet Leavers V4L Particles Ltd, UK  <b>Connecting elemental analysis to particulate count: A new technique to detect failures</b> Thomas G. Barraclough Spectro Inc., USA  <b>Lubrication of highly loaded roller bearings exposed to water using the example of continuous steel casting machine</b> Dr. Marius Kuhn Klüber Lubrication, Germany	<b>Use of microtexturing for tailoring friction behaviour of lubricated sliding or friction systems</b> Prof. Dr. Karl-Heinz Zum Gahr Karlsruhe Institute of Technology, Germany <b>Tribological test principles for power train applications</b> Prof. Dr. Florian Grün Montanuniversität Leoben, Chair of Mechanical Engineering, Austria <b>Interactions of additives with metal surfaces – Introduction</b> Dr. Joachim Schulz WISURA GmbH, Germany  <b>Interactions of additives with metal surfaces – New findings</b> Dr. Joachim Schulz WISURA GmbH, Germany	

	Hall 1	Hall 2	Hall 3
08:30 am – 10:00 am	<p><b>Windpower I</b></p> <p><b>Lubrication of gearboxes for wind-turbines</b> Dr. Frank-Dieter Krull Eickhoff Antriebstechnik GmbH, Germany</p> <p><b>Maximum gear box efficiency by use of a new gear oil generation for wind turbines</b> Steffen Homberg ADDINOL Lube Oil GmbH, Germany</p> <p><b>Energy efficient industrial gear lubricants</b> Derek Selby ExxonMobil Lubricants &amp; Petroleum, UK</p>	<p><b>Oil Condition Monitoring II</b></p> <p><b>Lubricant deposit characterization – Part 1</b> Dr. Dave Wooton Wooton-Consulting, USA</p> <p><b>Lubricant deposit characterization – Part 2</b> Greg Livingstone Fluitec International, USA</p> <p><b>Root cause determination of an unusual chemical deposit on a key oil wetted component</b> Bryan Johnson Arizona Public Services, USA</p>	<p><b>TAE II</b></p> <p><b>New CEC test method for lubricant biodegradability</b> Dr. Martin Völtz, Germany</p> <p><b>Environmental approach to hydraulic fluids</b> Gerhard Gaule Hermann Bantleon GmbH, Germany</p> <p><b>REWITEC surface technology – reconditioning and durable wear protection for gearboxes and bearings in wind turbines</b> Stefan Bill Rewitec GmbH, Germany</p>
10:00 am – 10:30 am	<b>Coffee</b>		
10:30 am – 12:00 am	<p><b>Hydraulics II</b></p> <p><b>Energy-efficient 4 quadrant working hydraulic drives using differential cylinder</b> Dierk Peitsmeyer Internationale Hydraulik Akademie, Germany</p> <p><b>Use of artificial oil alteration for evaluation of oil condition sensors for hydraulic applications</b> Christoph Schneidhofer AC<sup>2</sup>T research GmbH, Austria</p> <p><b>Experience world-wide with PAG based environmentally-friendly, fire-resistant HFDU/HEPG Hydraulic Fluid</b> Kevin Kovanda, American Chemical Technologies Inc., USA</p>	<p><b>Oil Sensors II</b></p> <p><b>Combined water contamination and wear debris monitoring for wind turbine health monitoring</b> Ryan Brewer Poseidon Systems, USA</p> <p><b>Evanescent field fiber sensor for determination of the water in lubricating oils</b> Dr. Thomas Klotzbücher IMM Mainz, Germany</p> <p><b>Oil condition monitoring using electrical conductivity</b> Michael Lindner OELCHECK GmbH, Germany</p>	<p><b>Lubrication &amp; Additives I</b></p> <p><b>A new corrosion inhibitor with unique performance advantages for industrial lubricant application</b> Dr. Thomas Rühle BASF SE, Germany</p> <p><b>Tailor-made modification of lubricants and greases by PTFE micropowder</b> Dr. Thorsten Hoffmann Leibniz-Institut für Polymerforschung Dresden e.V., Germany</p> <p><b>Novel high performance esters as co-solvents for lubricant formulations</b> Raj Patel BASF UK LTD, UK</p>
12:00 am – 01:30 pm	<b>Lunch</b>		
01:30 pm – 03:00 pm	<p><b>Engines II</b></p> <p><b>Influence of engine oils aged by ethanol combustion products on piston ring wear</b> Dr. Thomas Wopelka AC<sup>2</sup>T research GmbH, Austria</p> <p><b>Energy efficient natural gas engine lubrication</b> Gilles DeLafargue ExxonMobil Lubricants &amp; Petroleum, France</p> <p><b>Condition monitoring aboard of German navy ships</b> Norman Rohrwick Bundeswehr Research Institute for Materials, Germany</p>	<p><b>Greases</b></p> <p><b>Lubrication of bearings and toothings of wind power plants</b> Hanno Paul Fuchs Lubritech GmbH, Germany</p> <p><b>Grease sampling and analysis: Devices and methods to improve reliability in wind turbines, robots and other grease lubricated components</b> Rich N. Wurzbach MRG Labs, USA</p> <p><b>Environmentally safe lubricating greases for agriculture equipment</b> Ortansa Florea ICERP S.A. Ploiesti, Romania</p>	<p><b>Lubrication &amp; Additives II</b></p> <p><b>Latest additive technology for hydraulic oils</b> Dr. Matthias Hof BASF SE, Germany</p> <p><b>Friction modifiers and lubricity additives for industrial lubricants</b> Dr. Paul Bonner Croda Lubricants, UK</p> <p><b>Superior high viscosity base stocks through a newly tailored ester technology</b> Raj Patel BASF UK LTD, UK</p>
03:00 pm – 03:30 pm	<b>Coffee</b>		

**DAY 2 – WEDNESDAY, JAN. 23<sup>RD</sup>, 2013**

03:30 pm – 05:30 pm

Hall 1	Hall 2	Hall 3
<b>Windpower II</b>	<b>Oil Cleaning &amp; Filtration</b>	<b>Oil Analysis Methods I</b>
<b>The performance of used gear oils on test benches</b> Kirsten Tschauder BP Industrial Lubricants & Services, Germany	<b>Electrostatic charging of oils and monitoring of the oil lifetime</b> Marco van Boven Parker-Hannifin GmbH, Germany	<b>Design considerations for high-throughput FT-IR oil condition monitoring systems</b> Dr. Dave Wooton Wooton-Consulting, USA
<b>Micro test methods to characterize double shielded bearing grease after 10 years service</b> Bryan Johnson Arizona Public Services, USA	<b>Effective dewatering of hydraulic- and lubrication systems with vacuum dehydration units</b> Christian König INTERNORMEN Technology, Germany	<b>Analysis of lubrication oil by automatic online sample preparation and ICP-OES</b> Ralf Geerling SPECTRO Analytical Instruments GmbH & Co KG, Germany
<b>Oil ageing on example of gear oils in wind turbines</b> Andy Böhme OELCHECK GmbH, Germany	<b>Maintaining Transformer Oil – Methods and Experience</b> Dr. Olaf Schmidt Karberg & Hennemann GmbH&Co.KG, Germany	<b>Accelerated Inductively Coupled Plasma analysis of wear metals in oil</b> Michael Sgroi CETAC Technologies, USA
<b>Filterability of used gear oils</b> Gunter Mathy IME - RWTH Aachen, Germany	<b>Laboratory automation by the use of robotic systems for high a sample throughput</b> Martin Haazelager Synchron Lab Automation, Netherlands	<b>Particle counting: System to analyze high quantities of contamination samples</b> Michael Schumacher PAMAS GmbH, Germany

**DAY 3 – THURSDAY, JAN. 24<sup>TH</sup>, 2013**

08:30 am – 10:30 am

Hall 1	Hall 2	Hall 3
<b>Turbines I</b>	<b>Oil Analysis Methods II</b>	<b>Metal Working</b>
<b>Deposits caused by Oil-Oxidation Products (Varnish) Electrostatic Oil Cleaning</b> Norbert Becker N. Becker Ingenieurbüro + Vertrieb, Germany	<b>Evaluation of dropping and softening point methods in petrochemistry</b> Dr. Hans-Joachim Muhr Mettler-Toledo AG, Switzerland	<b>New ethercarboxylic acids for metal-working application</b> Dr. Michael Stapels KAO Chemicals GmbH, Germany
<b>High-performance turbine oils with higher thermal stability</b> Dirk Herrmann ADDINOL Lube Oil GmbH, Germany	<b>Rheology and tribology of lubricating oils measured on a Rheometer</b> Frederik Wolf Anton Paar Germany GmbH, Germany	<b>Substitution of zinc stearate in cold extrusion processes</b> Wilhelm Rehbein Rhein Chemie Rheinau GmbH, Germany
<b>Modern turbine oils need adapted methods to monitor the degradation of antioxidants</b> Hendrik Karl Fuchs Europe GmbH, Germany	<b>Penetration, shear-viscosity or flow-limit? Rheology for greases</b> Dr. Thomas Fischer OELCHECK GmbH, Germany	<b>Proficiency Testing for Petroleum Products</b> Roland St. Germain VHG Labs / LGC Standards Manchester, USA
<b>Some performance aspects of polymer liner bearings</b> Prof. Dr. Sergei Glavatskih KTH Royal Institute of Technology, Sweden	<b>Fully automated determination of TAN and TBN by thermometric titration – fast and reliable</b> Dr. Christian Haider Metrohm International Headquarters, Switzerland	<b>A new coolant concept for the mineral oil-free manufacturing of tomorrow</b> Heinz Dwuletzki Carl Bechem GmbH, Germany

10:30 am – 11:00 am

11:00 am – 01:00 pm

<b>Coffee</b>		
<b>Turbines II</b>	<b>Oil Condition Monitoring III</b>	<b>Special Applications</b>
<b>Deposits on bearing pads by particulate contamination</b> Fumihiko Yokoyama IHI Corporation, Japan	<b>The use of acoustic emission to detect ineffective lubrication in operating machinery</b> Dr. Trevor J. Holroyd Kittiwake Holroyd Ltd., UK	<b>Requirements on oil lubrication of high speed roller element bearings</b> Richard Karbacher Schaeffler Technologies, Germany
<b>Review of the need for hydrodynamic cleaning and flushing of turbines' oil systems in power generation and industry</b> Tomas Klima Ecol Sp. o.o., Poland	<b>Heat transfer fluid analysis in parabolic through collectors of solar power plants</b> Jesus Terradillos Fundación Tekniker, Spain	<b>Oil re-circulating lubrication systems for industrial applications</b> Hans-Georg Weber SKF Lubrication Systems AG, Germany
<b>Combining different advanced varnish mitigation technologies for effective cleaning of turbine oil and systems</b> J.A.M. Overgaag Ansaldo Thomassen Rheden, Netherlands	<b>Requirements and monitoring of transformer oils</b> Stefan Mitterer OELCHECK GmbH, Germany	<b>Use of lubricants at the production of plastic packaging under consideration of hygienic aspects</b> Manfred Plötz Bremer & Leguil GmbH, Germany
<b>Oxidation of modern gas engine oils – a problem of determination</b> Carsten Heine OELCHECK, Germany	<b>Improve your quality control by high precision wear measurements in tribology tests : TLA method</b> Dr. Dirk Drees Falex Tribology, Belgium	<b>VDI 2290 - What do have „Values for tight flange connections“ have to do with lubricants?</b> Rüdiger Schiffer OKS GmbH, Germany

01:00 pm – 02:00 pm

**Farewell Address & Lunch**



## Registration

Registration fee after is EUR 945.- + VAT

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

## Registration fee includes:

- ✓ Participation in the conference
- ✓ Entry to the exhibition
- ✓ Lunch on all three days
- ✓ Dinner events: Come-together Jazz Party on Tuesday and Little Oktoberfest on Wednesday
- ✓ Coffee and tea during breaks
- ✓ Conference bag with proceedings and other comprehensive documents – hand-over at the conference check-in
- ✓ Bus transfer from hotels which are not in walking distance to the conference center

## Travel

Rosenheim is a central spot on the way between Munich and Salzburg and has a lot to offer. The distance from Munich International Airport to the venue is 98 km and 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.

## Location

KUKO, Conference Center, Kufsteiner Str. 4  
D-83022 Rosenheim (inner city)  
50 km from Munich, 70 km from Salzburg  
[www.kuko.de](http://www.kuko.de)

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## Contact

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