Program for the OilDoc Conference and Exhibiton 2011

State: January 2011. Subject to change.

DAY 1 – TUESDAY, FEB. 1, 2011

08:30 am – 09:30 am	**Plenary Session** Grand Opening of the OilDoc Conference and Exhibition		
09:30 am – 10:00 am	**Coffee**		*
10:00 am – 12:00 am	**Engine Lubrication**	**Tribology I**	**Condition Monitoring General**
	Engine oil consumption and formulation effects Dr. Martin Völtz Germany	**STLE and Certification in Europe** Dr. Robert M. Gresham STLE, USA	**Oil and machine condition monitoring: Online, onsite or lab-analysis?** Rüdiger Krethe OilDoc GmbH, Germany
	Experiences in realization of efficiency improvement actions for gas engines using alternative gases Dr. Günther Herdin Agnion Technologies GmbH, Austria	**Controlling friction using conventional and novel lubricant base fluids and organic friction modifiers** John Eastwood Croda Europe Limited, Great Britain	**Introduction to in-service lubricant analysis** Dr. Dave Wooton Wooton-Consulting, USA
	Antioxidant monitoring of gas engine oils Carsten Heine OELCHECK GmbH, Germany	**Polyacrylamide – A challenge in lubrication** Prof. Dr. Adrian Catalin Drumeanu University of Ploiesti, Romania	**Latest developments in online condition monitoring sensors** Stuart Lunt Kittiwake GmbH, Germany
	Selected chemical and physical parameters of standard base oil components and their influence on industrial and automotive oils Mayka Nehrkorn ADDINOL Lube Oil GmbH, Germany	**Tribotronic systems for active condition monitoring** Sergei B.Glavatskih Lulea University of Technology, Sweden	**Fluid condition monitoring** Andreas Busch HYDAC Filter Systems GmbH, Germany
12:00 am – 01:30 pm	**Lunch**		*
01:30 pm – 03:00 pm	**Bio Fluids and Lubricants I**	**Tribology II**	**Oil Condition Sensors I**
	Latest trends in biohydraulic fluids Dr. Markus Scherer Cognis GmbH, Germany	**Surface analysis methods for the understanding of additive reactions** Dr. Adam Orendorz Klüber Lubrications, Germany	**Pin sensor based on magnetostrictive excitation and readout for oil viscosity monitoring** Markus Holzki IMM, Germany
	Effects of contamination of bio-based hydraulic fluids with mineral oil Dr.-Ing. Heinrich Theissen IFAS RWTH Aachen, Germany	**Chemically compatibilized polyamideimide PTFE materials – antifriction coatings and properties** Dr. Dieter Lehmann IPF Dresden, Germany	**New maintenance concepts by continuous oil monitoring** Dr. Thomas Meindorf Argo-Hytos GmbH, Germany
	Integrated fluid concept for machines with no more oil-changes Milorad Krstic Kleenoil Panolin AG, Germany	**Suitable additives for solving tribological wear and friction problems** Philipp Staub Klüber Lubrication KG, Germany	**Online multi-measure and oil analysis sensor** Dr. Jeffrey C. Andle Vectron, USA
03:00 pm – 03:30 pm	**Coffee**		*
03.30 pm – 05:30 pm	**Bio Fluids and Lubricants II**	**Gear Lubrication**	**Turbines I**
	Assumption regarding the action mechanism of extreme pressure additives mixed in vegetable oils Liana Bogatu	**Oil ageing influence on pitting lifetime of gears** Dr. Hans-Philipp Otto FZG Augsburg, Germany	**Varnish potential of turbine oils** Steffen Bots OELCHECK GmbH, Germany
	Biolubricants: Requirements of the EU-Marguerite Dr. Hildo Krop IVAM, Netherlands	**Renk specifications for lubricants for turbo, ship and industrial gear boxes and micro pitting tests** Dr.-Ing Gregor Steinberger Renk AG, Germany	**Effective varnish removal from turbine lubrication systems** Dr. Klaus Defrehn PALL GmbH, Germany
	Environmentally considerate lubricants – new developments and today's legislation Patrick Lämmle Panolin Vertrieb AG, Switzerland	**Industry gear oils and lubricants – mechanics meets chemistry** Wolfgang Bock Fuchs Europe GmbH, Germany	**Selecting the best varnish mitigation technology based on the application** Greg Livingstone Fluitec International, USA
	Hydraulic fluids from an environmental view Gerhard Gaule Hermann Bantleon GmbH, Germany	**Influence of lubricants on gear efficiency** Dr. Klaus Michaelis FZG Technical University Munich, Germany	**Modern instrumental method of accurately and directly measuring the useful life of turbine engine oils** Theodore W. Selby, Savant Inc., USA

* All presentations in this column will be translated simultaneously from English to German or vice versa.

DAY 2 – WEDNESDAY, FEB. 2, 2011

08:30 am – 10:00 am	**Hydraulics**	**Tribology by TAE I**	**Oil Condition Sensors II**
	Extension of hydraulic oil lifetime Wolfgang Ott Wieland-Werke AG, Germany	**Microtexturing for assisting efficient mixed film lubrication** Prof. Dr. Karl-Heinz zum Gahr Institute of Science & Engineering, Germany	**Chemometrical evaluation methods of FT-IR spectra for monitoring oil condition** Dr. Thomas Fischer OELCHECK GmbH, Germany
	Liebherr – Why do we offer our own lubricants? Klaus Langendorf Liebherr GmbH, Germany	**Formulation of lubricants considering interactions between additives and metal surfaces** Dr. Joachim Schulz Wisura GmbH & Co., Germany	**Gear oil monitoring for offshore wind turbines using band limited low resolution spectra** Benjamin R. Wiesent Technical University Munich, Germany
	Interaction of hydraulic fluids and elastomers of land vehicles Konrad Zuber Wehrwissenschaftliches Institut, Germany	**Formulation of lubricants considering interactions between additives, Part II** Dr. Joachim Schulz Wisura GmbH & Co., Germany	**Design of a multi-parameter infrared sensor system for oil monitoring** Dr. Lhoucine Ben Mohammadi IMM, Germany
10:00 am – 10:30 am	**Coffee**		
10:30 am – 12:00 am	**Wind Power I**	**Tribology by TAE II**	**Oil Analysis General Aspects**
	Tribological aspects and lubricant criteria for windturbine gearboxes Dr. Frank-Dieter Krull Eickhoff Antriebstechnik GmbH, Germany	**Polyglycols as future lubricants** Dr. Mathias Woydt BAM, Germany	**FluidScan – a portable IR-tool for accurate quantification of used oil condition for end users** Thomas G. Barraclough Spectro Inc., USA
	Lubricants in wind turbines – highest requirements on development, testing and application Kirsten Tschauder BP Europa SE, Germany	**Influence of lubricants on micropitting, fatigue pitting and scuffing of gears** Michael Felbermaier FZG Technical University Munich, Germany	**Innovation in procedures for used oil sampling** Dr. Giuseppe P. Adriani Mecoil Diagnosi Meccaniche S.r.l., Italy
	A new concept for wind turbine gear lubricants Raj Patel Cognis UK Ltd., United Kingdom	**Lubricant management – basics of efficient lubrication engineering** Gerhard Gaule Hermann Bantleon GmbH, Germany	**Streamlined grease sampling and analysis** Richard N. Wurzbach MRG Labs, USA
12:00 am – 01:30 pm	**Lunch**		
01:30 pm – 03:00 pm	**Wind Power II**	**Turbines II**	**Condition Monitoring**
	The importance of understanding degradation regimes in wind turbine gear oils Jesús Terradillos Tekniker Technological Center, Spain	**New turbine and lubricant technology requires new customer focused oil monitoring methods** Dr. Ludger Quick Siemens AG, Germany	**Successful introduction of condition monitoring with a high ROI** Peter Malz InfraServ GmbH & Co., Germany
	Gear oil performance problems experienced by Vestas Ole Lund Jensen Vestas Wind Systems A/S, Denmark	**High performance environmentally adapted turbine oils** Prof. Dr. Sergei B.Glavatskih Lulea University of Technology, Sweden	**Condition monitoring – many options, one goal** Andreas Kühl FAG Industrial Services GmbH, Germany
	Optimizing a wind turbine oil condition monitoring program by understanding lubricant degradation Greg Livingstone Fluitec International, USA	**Case Study – Lubricant analysis in steam-turbines** Beatriz Graca INEGI - Instituto de Engenharia, Portugal	**Monitoring particle size distribution in gear oils** Dr. Edwin Becker PRÜFTECHNIK Condition Monitoring GmbH, Germany
03:00 pm – 03:30 pm	**Coffee**		
03:30 pm – 05:00 pm	**Wind Power III – Grease Lubrication**	**Special Applications I**	**Condition Monitoring – Engines**
	Comprehensive solution with added value Peter Mages Klüber Lubrication KG, Germany	**Selection, design and test of lubricants for the food stuff industry** Dr. Markus Leirer OKS Spezialschmierstoffe GmbH, Germany	**Fuel and glycol contamination in used engine oils** David R. Hilligos PerkinElmer, USA
	Grease re-lubrication with different pumps Dr. Michael Weigand TriboServ GmbH&Co.KG, Germany	**Use of H1-lubricants in printing systems of packaging for foodstuffs** Manfred Plötz Bremer & Leguil GmbH, Germany	**Used oil analyses for optimized oil change intervals in biogas engines** Jürgen Deckert ADDINOL Lube Oil GmbH, Germany
	Grease analysis in rotor and blade bearings of wind turbines Steffen Bots OELCHECK GmbH, Germany	**Lubrication of chains at high temperatures** Ilona Rhein Fuchs Lubritech GmbH, Germany	**Condition monitoring: Practical experiences on tactical vehicle engines** Johannes Bader Wehrwissenschaftliches Institut, Germany

DAY 3 – THURSDAY, FEB. 3, 2011			*
08:30 am – 10:30 am	**Metal Working**	**Advanced Analysis Methods**	**Grease Lubrication**
	Cutting properties evaluation of metalworking fluids Prof. Dr. Razvan George Rapeanu University of Ploiesti, Romania	**Analysis of organic contaminations with SEM/EDX and TOF-SIMS** Dr. Ralf-Jürgen John PALL Filtersystems GmbH, Germany	**Centralized lubrication systems – progressive system** Andreas Rössler Eugen WOERNER GmbH & Co. KG, Germany
	Innovative cost saving metal working fluid concept Carmen Freiler Fuchs Europe GmbH, Germany	**Detailed oil and additve analysis via NMR and GC/MS** Dr. Bernd Görlach A&S Chemie, Germany	**Interpretation of results gained from used grease analyses in rolling bearings** Rudolf Kühl SKF GmbH, Germany
	Modern state-of-the-art synthetic, mineral oil free metal working fluids John Loeffen Cimcool Industrial Products B.V., Netherlands	**New techniques in particle counting analyzing high performance liquid filters** Michael Schumacher PAMAS GmbH, Germany	**Best practice lube and bearing maintenance strategy for improved reliability** Ian Knight Enluse B.V. , Netherlands
	Sustainable cost reduction in the metal cutting processes with modern process management Jörg Rübel Rhenus Lub GmbH & Co KG, Germany	**Determination of low-level total acid number in mineral oils** Dr. Christian Haider Metrohm International Headquarters, Switzerland	**Services for improvement in lubrication – KlüberAssetSupport** Dr. Christian van Husen Klüber Lubrication KG, Germany
10:30 am – 11:00 am	**Coffee**		*
11:00 am – 12:30 pm	**Fluid Care**	**Special Applications II**	**Oil Condition Sensors III**
	Oil in use and it's maintenance Protective oil – dangerous oil Dr. Olaf Schmidt Karberg & Hennemann GmbH, Germany	**Oil care and damages on roller bearings in large oil lubricated systems** Richard Karbacher Schaeffler Technologies GmbH, Germany	**The mobile oil condition measuring system OCM 01** Lothar Nagel INTERNORMEN Technology GmbH, Germany
	Electrostatic oil management Norbert Becker NBI Ingenieurbüro & Vertrieb Kleentek, Germany	**Degradation of additives and its influence on bearing's service** Dr. Marius Kuhn Klüber Lubrication KG, Germany	**Dissolved or undissolved water? Humidity saturation limits of several hydraulic and lubrication fluids** Hendrik Karl OELCHECK GmbH, Germany
	Technology of hydrodynamic cleaning and high velocity oil flushing Wojciech Majka ECOL Sp. z o.o., Poland	**Lubrication of screws** Rüdiger Schiffer OKS Spezialschmierstoffe GmbH, Germany	**Establishing wear particle limits using dynamic equilibrium together with the LaserNet Fines Q^{200}** Thomas G. Barraclough Spectro Inc., USA
12:30 pm – 02:00 pm	**Farewell Address & Lunch**		

Pre-seminars of the OilDoc GmbH on Monday, 31th January 2011

Damages on lubricated machine elements

Speaker:
Prof. Dr.-Ing. Wilfried J. Bartz, T+S Tribologie und Schmierungstechnik

Language:

The permanent growth of mechanization and automation leads to a steady increase of requirements for the availability and the safety of all machines and assets. The lubricant is only one of the possible reasons for damage. Only who reveals the real cause of the damage of bearings or gears can avoid a repetition of the same failure.

- ✓ What is the real reason for the damage?
- ✓ How to analyze damages?
- ✓ How can damages be avoided?

The speaker, Prof. Dr. Wilfried J. Bartz presents examples from his practical work and provides answers to these questions.

Place: OilDoc GmbH, Kerschelweg 29, 83098 Brannenburg, Germany
Date & time: Monday, 31th January 2011, 09.00 am – 4.45 pm
Reg. fee: 395.- € + VAT

Lubricants and oil analysis for industrial gearboxes

Speaker:
Dipl.-Ing. Rüdiger Krethe, OilDoc GmbH

Language:

Gearboxes are the core of modern driveline technologies. They carry high loads at best efficiency levels even though gear boxes are becoming compacter simultaneously. Today's gear oils have to cope with these circumstances.
The workshop discusses the increased requirements of modern gear oils and shows their reflection by mechanic-dynamic test procedures, standards and specifications. In this way the attendees become able to compare different gear oils by the technical data sheets of the oil manufacturer and to select the adequate lubricant for their needs.

Place: OilDoc GmbH, Kerschelweg 29, 83098 Brannenburg, Germany
Date & time: Monday, 31th January 2011, 09.00 am – 4.45 pm
Reg. fee: 395.- € + VAT

More information and registration: www.oildoc.com/conference/pre-seminars/