

OilDoc Conference – Presentation Program on May 9/10, 2023 State: January 2023. Subject to change.

DAY 1 – TUESDAY, MAY 09, 2023			
09.00 am – 10.00 am	Opening: Petra Bots & Rüdiger Krethe (OilDoc)		
	Plenary lecture: N.N.		
10:00 am – 10:30 am	Coffee & Snacks		
	Hall 1	Hall 2	Hall 3
10:00 am – 12:30 am	OIL ANALYSIS METHODS	TURBINES	SUSTAINABILITY I
	Extended lubricant analysis using Nuclear Magnetic Resonance (NMR) Dr. Christoph Rohbogner OELCHECK GmbH Quality control of lubricants by NIR spectroscopy according to ASTM 8321 and ASTM 8340 Dr. Nicolas Rühl Metrohm AG Analysis of oils and lubricants by Lock-in thermography Christoph Geers NanoLockin GmbH The oil chute – an effective method to assess high temperature deposit formation Marcella Frauscher AC ² T research GmbH	Managing turbine oils in a sustainable way Dr. Ludger Quick Siemens Energy Global GmbH & Co. KG Applying knowledge from accelerated turbine oil aging tests to oil management programs Elona Rista Solar Turbines Determination of relative concentrations of Phosphate Ester isomers in turbine control systems Dr. John K. Duchowski HYDAC FluidCareCenter® GmbH Are compromises at oil flushing acceptable? What do they cost you when flushing new installed turbo-generator, overhauled turbo-compressor or any other large oil system? Tomas Klima Ecol Industrial s.r.o.	Fit for 55 Dr. Stefan Baumgärtel VSI - Verband Schmierstoff-Industrie e.V. Utilizing Estolides as sustainable synthetic petroleum replacements that meet the regulations for biobased and sustainable lubricants in the industry Mark Miller Biosynthetic Technologies The importance of sustainability and carbon negative footprint in the lubricants industry Dr. Matt Kriech Biosynthetic Technologies How to identify sustainable lubricants? Christoph Baumann CONDAT GmbH
12:30 am – 02:00 pm	Lunch		
02:00 pm – 03:30 pm	OIL ANALYSIS MANAGEMENT	LUBRICATION MANAGEMENT	
	Limit values for the evaluation of lubricant analyses Stefan Mitterer OELCHECK GmbH Fluid condition monitoring Bernie Hall Checkfluid Inc. Integrating fluid analysis with business systems Gwyn Simmonds Polaris Laboratories LLC.	The power of ICML 55[®] standards: Using structured requirements (55.1) and guidelines (55.2) to build a successful Lubricated Asset Management Program Paul Hiller ICML Industrial lubrication outsourcing – lubrication maintenance of the plant in the hands of professionals Wojciech Majka Ecol Industrial s.r.o. Failure modes, fault analysis and troubleshooting – How to do it in the right way Michael Holloway 5th Order Ind.	Sustainable cooperation in the lubricant industry – a transformation towards a circular and sustainable lubricant value chain Inga Herrmann VSI - Verband Schmierstoff-Industrie e.V. How base oil properties influence sustainability of industrial gear oils Katrin Schöller Evonik Operations GmbH Methods to reduce your company's carbon footprint Steffen Nyman C.C. Jensen A/S
03:30 pm – 04:00 pm	Coffee & Snacks		
04:00 pm – 06:00 pm	OIL SENSORS	GREASES	BASE OILS
	Detect unexpected wear in combustion engines by using acoustic emission sensor system Matthias Winkler CM Technologies GmbH Novel viscosity and density sensors for oil condition monitoring Thomas Voglhuber-Brunnmaier Micro Resonant Technologies GmbH Two new sensors Thierry Delvigne Deltabeam - DSI Novel compact NIR sensor for moisture detection in lubricants Dr.-Ing. Guillermo Miró Atten2	Analyzing wear and additive elements in greases: XRF, RDE-OES or ICP-OES? Dr. Christoph Rohbogner OELCHECK GmbH Understanding oil separation in lubrication greases Daniela Posselt AC2T research GmbH Grease analysis as a tool to achieve sustainability in asset management Richard Wurzbach MRG Labs Impact of different kinds of base oil on polyurea grease microstructure and tribological properties Jiabei Wang Chinese Academy of Science	Low Viscosity Low Volatility (LVLV) synthetic basestocks – Doing more with less targeting high performance European specifications Luca Salvi ExxonMobil Chemical Company The multipurpose use of ultra-low viscous NSP in Lubricants Jinxia Li NYNAS AB Liquid amides – novel, high performance base oils Claire Ward Cargill Bioindustrial Heavy naphthenic oil – a solution provider in lubricating greases Mehdi Fathi-Najafi NYNAS AB
6:00 pm – 8:00 pm	COME TOGETHER - ZWICKL RECEPTION		

DAY 2 – WEDNESDAY, MAY 10, 2023

	Hall 1	Hall 2	Hall 3	
09:00 – 10:30 am	OIL ANALYSIS METHODS II EPR in industry: The way for a better understanding of lubricant degradation Marie Roucan THEMIS Multivariate prediction models for oil condition monitoring using infrared spectroscopy Sina Malenke OELCHECK GmbH Rapid identification and quantification of ethylene and propylene glycol in engine coolant Nicholas Lancaster Perkin Elmer	CM – GEARS Advanced vibration monitoring of industrial gearboxes Michael Stroi Eisenbeiss GmbH The 3 columns of gear condition monitoring Michael Stroi Eisenbeiss GmbH Combining oil health, level, and vibration to achieve complete machine monitoring Jeremy Sheldon Poseidon Systems LLC	BIOBASED LUBRICANTS Everything you always wanted to know about the biodegradability on lubricants Vincent Bouillon Eurofins BfB How to design an environmentally friendly biolube Dr. Peter Lohmann Hermann Bantleon GmbH Woods, trees and shrubs – Sources for sustainable lubrication? Dr. Marcella Frauscher AC2T research GmbH	ENGINES Nitration in diesel engines – underestimated corrosion source Carsten Heine OELCHECK GmbH Innovative gas engine design and combustion technology continue to be a headache for oil manufacturers Yesid A. Gomez Bureau Veritas Spain Demonstration of the benefits of SAE 30 stationary gas engine oil in full scale engine tests Thijs Schasfoort Petro Canada Lubricants
10:30 am – 11:00 am	Coffee & Snacks			
11:00 am – 12:30 pm	OIL SENSORS II Advancements in inline oil condition monitoring Dr. Carsten Giebel Spectrolytic GmbH Development of an oil monitoring and filtering system for industrial gearboxes Reza Golafshan Sumitomo (SHI) Cyclo Drives Germany GmbH LubAnac connected oil by TotalEnergies lubricants Robert Janssens Total Energies Lubrifiants	COOLANTS Development of advanced Proton exchange membrane fuel cell (PEMFC) coolant Dr. Govind Khemchandani Dober Chemical Component Cleanliness in Cooling Systems – Special Focus on Flux Matthias ABmann OELCHECK GmbH Determination of Nitrite levels in engine coolants by UV/Vis spectroscopy Nicholas Lancaster Perkin Elmer	ADDITIVES Advantages of using Sulfur carriers as EP additives in manufacturing EV components Wilhelm Rehbein LANXESS Deutschland GmbH Synthesis of ash-free organic friction modifier and the investigation of their synergistic effect with ZDDP Wenijing Hu Chinese Academy of Sciences Innovative phyllosilicate additives for bearings and gears Claire Ward Cargill Bioindustrial	HYDRAULICS Managing hydraulic oil deposits by using novel solubility enhancing technology Jo Ameye FLUITEC NV Phosphate ester – is fill for life possible? Steffen Nyman C.C. Jensen A/S Improved ecologic and economical sustainability by micro-filtration of hydraulic fluids Dietmar Kreyser T.O.O. MSP ASIA
12:30 pm – 02:00 pm	Lunch			
02:00 – 03:30 pm	OIL ANALYSIS METHODS III Improved workflow and throughput for particle counting and wear metals analysis Andrew Rams Perkin Elmer Analytical Sciences AdBlue – What a laboratory analysis reveals Dr. Raphael Grötsch OELCHECK GmbH Tribology – research with a practical focus Rainer Schöpf OELCHECK GmbH	SPECIAL APPLICATIONS Innovations from industrial lubricants Wolfgang Bock Fuchs Oil GmbH Chromium-VI formation on high alloyed screws Rüdiger Schiffer OKS Germany Electrical contacts – the challenge for lubricants Sarah Hüttner Setral Chemie GmbH Critical parameters for lubricants in hydrogen applications Michael Adler AC ² T research GmbH	TRIBOLOGY I Nanocluster wear levels of compatible friction Prof. Dr. Sergey Fedorov Kaliningrad State Technical University Evolution of surface roughness and correlation with friction using in-situ profilometry Fabio Alemanno Ducom Instruments (Europe) BV Introducing statistics into lubricant testing: parallel tests pave the way to AI? Dirk Drees Falex Tribology N.V. The compatibility of oils and greases with plastics and elastomers Jiri Valdauf Lubricant S.R.O.	GEARS IN WIND TURBINES Lubricant formulation – its influence on Copper alloy corrosion in wind turbine gearboxes Ulf Rieper Shell Deutschland GmbH Sustainable use of lubricants for wind energy in a circular economy Thomas Stalin Vattenfall Wind Power Demonstration of condition monitoring of wind turbine gearbox lubricant with color sensors Kyoko Koshima Hitachi Ltd. Color index. A novel method for evaluating gearbox oils in wind turbine application Jose I. Ciria Bureau Veritas Spain
03:30 pm – 04:00 pm	Coffee & Snacks			
04:00 – 05:30 pm	OIL ANALYSIS – LAB ORGANISATION High throughput compact sample aliquoting and analysis Rainer Kösters HF Innovation GmbH A new gravimetric dilution system for ICP sample preparation Steve Twining Elemental Scientific Inc. Analytical Laboratory 4.0 – How to integrate your ICP? Dirk Wüstkamp Spectro Analytical Instruments	METAL WORKING FLUIDS Metal forming and deforming – an overview Rich Baker Tribotronic Novel sustainable emulsifier for metalworking fluids Frank Rittig BASF SE Digitalization of cooling lubricants Philipp Götz HYDAC	TRIBOLOGY II Unique web-based digital platform for lubricants Dr. Bernd Görlach ASC-Görlach Shear stable ester thickeners – EVs and beyond Kevin Duncan Cargill Bioindustrial Twin disc evaluation of wheel flange lubricants and top of rail friction modifiers Fabio Alemanno, Ducom Instruments (Europe) BV	
6.30 pm – 11:00 pm	BAVARIAN EVENING RELOADED			