PROGRAMME

THE 48TH
LUBRICANTS AND BASE OILS SYMPOSIUM

14 - 16 October 2015, Hotel Lone - Rovinj, Croatia
08.00  Registration

09.30  Opening - Welcome remarks by the Organisers & Gold Sponsor

10.00  Introductory Lectures (A)
   Chairman - Robert Mandaković
   • Electro-mobility for characterizing the green automobile - wind and water for producing electricity (A1)
     Dr.-Ing. Wilfried J. Bartz
     Professor, Technische Akademie Esslingen, Ostfildern, Germany
   • The challenges and opportunities of today's modern grease industry (A2)
     Terry Dicken
     Chairman of ELGI and Owner of Global Lubricants Ltd, United Kingdom

11.00  Coffee Break

11.30  Additives - moving to higher performance lubricants (B)
   Chairman - Wilfried J. Bartz
   • An alternative lubricant concept for High Performance Industrial Gear Oils (B1)
     Dr. Robert Kolb
     Technical Service Manager, Evonik Industries AG, Germany
   • How to improve hydraulic systems in the construction industry (B2)
     Sebastian Hammann - Area Sales Manager, Evonik Industries AG, Germany
   • Long-term stabilization of oil based nanofluids with polymer surfactants (B3)
     Dr. Ante Jukić
     Professor, Faculty of Chemical Engineering & Technology, University of Zagreb, Croatia

13.00  Lunch Break

14.30  Recent trends in formulation of MWFs (C)
   Chairman - Terry Dicken
   • Emulsifiers from the perspective of current and future sustainability considerations (C1)
     Dr. David Schäffel
     Technical Application Manager EMEA, Clariant GmbH, Germany
   • How to preserve water-miscible coolants in context of changing EU-legislation - What does the future look like? (C2)
     Matthias Hentz
     Global Key Account Manager, Schülke & Mayr GmbH, Germany
• Analysis of quenching oil performance and heat transfer enhancement methods (C3)
  Dr. Božidar Matijević
  Professor, Quenching Research Centre, Faculty of mechanical engineering and naval architecture, University of Zagreb, Croatia

• Substitution of Zinc Stearate in Cold Extrusion Processes (C4)
  Isabell Lange
  Application Technology Manager, RheinChemie Additives, Germany

16.30 Coffee Break

17.00 Poster Session (H)

17.30 Workshop - Metalworking Fluids (I) organised by Lubrizol
  • Laws and Regulations affecting MWF’s
  • General survey and biocides in particular (I1)
  Bernd Festerling
  Account Manager, Lubrizol Deutschland GmbH, Germany
  Dr. Uwe Falk
  Global Commercial Manager Biocides, Lubrizol Deutschland GmbH, Germany

19.00 Drinks Reception - Istrian wine tasting - kindly sponsored by INA MAZIVA

Thursday, 15 October 2015

09.30 Introductory lectures (A)
  Chairman - Bruno Novina
  • Safeguarding quality in European automotive engine lubricants (A3)
    Adri van de Ven
    ATIEL, BOI/VGRA/VMI Technical Committee Member, Netherlands
  • Trends, demands and paradoxes of lubricants micro markets such as Croatia and surrounding countries (A4)
    Robert Mandaković
    Secretary of GOMA, Croatian Society for Fuels and Lubricants, Croatia

10.30 Coffee Break

11.00 Highlights on the latest development of automotive fluids (D)
  Chairman - Robert Mandaković
  • Real World Fuel Economy in Short and Long Haul Heavy Duty Diesel Applications (D1)
    Adrian Fitzpatrick
    Technical Manager, Lubrizol Ltd, United Kingdom
• European Trends and Drivers for Axle Lubricants in Heavy Duty Truck Applications (D2)
  Dipl.-Ing. Uwe Förster
  Technical Service Manager, BASF SE, Germany

• Importance of VI Improvers for Rheological Targets in Modern Lubricants (D3)
  Nelly Mischler
  AEO Market Manager, Chevron Oronite, France

• A new development in robust engine coolant technology (D4)
  Dipl.-Ing. Ralf Strauss
  Technical Marketing Manager Automotive Fluids, BASF SE, Germany

13.00 Lunch Break

14.30 Base Oils - moving to a higher performance lubricants (E)
  Chairman - Eric Nehls

• Base Oil Blends … A Great Opportunity for Grease Formulators (E1)
  Mehdi Fathi-Najafi
  Senior Technical Coordinator, Nynas AB, Sweden

• Esters, multipurpose group V - base fluids, properties and applications (E2)
  Dr. Frank Bongardt
  New Business Development & Marketing Manager Biolubes/Oilfield, Emery Oleochemicals GmbH, Germany

• Polyglycols - an increasingly desired base fluid for various applications (E3)
  Dr. David Schäffel
  Technical Application Manager EMEA, Clariant Produkte GmbH, Germany

• Estolides - Closing the Gap between Performance and Sustainability (E4)
  Jakob Bredsguard
  Chief Technical Officer, Biosynthetic Technologies, USA

16.30 Coffee Break

17.00 Workshop - Industrial lubricants (I) organised by BASF

• When it makes sense to use PAG gear oils and what are the requirements for it? (I2)
  Uwe Förster
  Technical Service Manager, BASF SE, Germany

18.30 Break

20.15 Pre-Dinner Cocktail Reception
  - kindly sponsored by Evonik Industries AG

21.00 Gala Dinner & Entertainment
Friday, 16 October 2015

09.30  Condition monitoring, tribodiagnostic and laboratory analysis (F)
Chairman - Ante Jukić
• Impact of rheology on tribological properties (F1)
  Dr. Frederik Wolf
  Product Manager Tribometry, Anton Paar GmbH, Germany
• Continuous Detection of Critical Operating Conditions to Prevent Wear Damage with a New Online Oil Condition Monitoring System, Wearsens (F2)
  Dr. Manfred Mauntz
  CEO and Head of Development and Research, cmc Instruments GmbH, Germany
• Lubricant induced metal corrosion, an electrochemical impedance spectroscopy approach (F3)
  Dr. rer. nat. Lutz Kogel
  Account Manager, SGS Germany GmbH, Germany

11.00  Coffee Break

11.30  Closing Session (G)
Chairman - Elvira Vidović
• Nanoscale mechanical and topographic characteristics of boundary films and their relation to macroscopic friction (G1)
  Dr. Mitjan Kalin
  Professor, Faculty of Mechanical Engineering, University of Ljubljana, Slovenia
• Competing in the Market of Food Grade Lubricant (G2)
  Srdjan Stankov
  EMEA Business Development Manager, NSF International, United Kingdom

12.30  Closing the Symposium
ORGANISING COMMITTEE

- Bruno Novina, GOMA, INA MAZIVA - President
- Terry Dicken, ELGi - Vice-President
- Hans Uwe Staubmann, Lubrizol
- Jan Donath, BASF
- Boris Čavrak, INA
- Zorica Davidović, Bargos Loa

SCIENTIFIC COMMITTEE

- W. J. Bartz, Technische Akademie Esslingen - President
- Robert Mandaković, GOMA - Vice-President
- Ante Jukić, Faculty of Chemical Engineering and Technology, University of Zagreb - Vice-President
- Emilia Assenova, Society of Bulgarian Tribologists
- Mitjan Kalin, Faculty of Mechanical Engineering, University of Ljubljana
- Božidar Matijević, Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb
- Pero Dugić, Modriča Oil Refinery
- Ljiljana Pedišić, INA MAZIVA
- Mile Stojilković, NIS a.d.

Symposium Secretary

Andrina Barbarić, GOMA
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