

# Title + Key Words Papers Published in Eurogrease

Updated: 8<sup>th</sup> August 2022

Date Publication	Author(s)	Title	Key Words
2022 02 April/May/June	Gareth Fish - Lubrizol	Compositional Effects on the Electrical Properties of Lubricating Greases	Lubricating grease, base oil, thickener, additives, conductivity
2022 02 April/May/June	Sabine Hausmann -Fuchs Petrolub SE Mannheim	European Green Deal and the Impact on Grease Thickeners	European Green Deal, Chemical Strategy on Sustainability, REACH Revision, CLP Revision, Potential Restrictions
2022 01 January/February/March	Chuck Coe - Grease Technology	"Grease Incompatibility: When the Music Stops!"	Compatibility, incompatibility, shear stability, ASTM D6185, thickener, aluminium complex, lithium complex
2022 01 January/February/March	Raimund Stockhammer - SKF Lubrication Systems	Lubricant meets Lubrication Systems. Lubricant Pumpability is the Key for an Effective Partnership in re-Lubrication	Lubricating Greases, Lubricants, Central Lubrication Systems, Pumpability, SKF Grease Pumpability Test, Oil Separation, Flow-Resistance, FTG1, FTG2, FTG3, FTG4, FTG5, FTG6 Rheometer, Rheometer Curves, Lincoln Ventmeter
2022 01 January/February/March	Zhao Ning - Liaoning Haihua Technology	Study on Tribological properties of Semi-fluid Lubricating Grease for the Industrial Robot RV Reducer	Industrial Robot, Precision Reducer, Semi-fluid grease, Grease viscosity, Tribological properties
2021 04 October/November /December	George S. Dodos - Eldon's	Grease R-evolution 21	sustainability, circular economy, industrial symbiosis, life cycle, energy efficiency, low carbon footprint, biobased, energy saving, e-mobility
2021 04 October/November /December	Jisheng E - GKN Driveline	Science in Practice – A contribution of science to R&D in the grease industry	Interactions between Li-soap, additives and oils Grease formation with two gelling systems
2021 04 October/November /December	Mathias Woydt – Matrilub Berlin	Functional traction profile of railway greases by using a continuous variable 2disk machine	slip-rolling, traction, creep rate, slip ratio, 2disk, grease, railway, retentivity, friction, extreme pressure
2021 03 July/August/September	Thomas Litters - Fuchs Schmierstoffe GmbH	DIN-FAM Standardisation Committee for Lubricating Greases – Activities and Projects	Lubricating greases, Testing, Cone penetration, Dropping point, Low temperature, Ageing, Oxidation, Shear viscosity, Yield point, Requirements, Standardisation, DIN standard, DIN committee, FAM ISO standard, Cone penetration, Round robin, Electric properties
2021 03 July/August/September	Matthias Stammler - Fraunhofer IWES	Tests of Oscillating Bearings	Oscillating Bearings, Grease Lubrication, Scaled Tests, Variable Amplitudes, Pitch Bearings
2021 02 April/May/June	Norbert Lübben - (BDL)Bundesverband der Deutschen(Federal Association of the German Aviation Industry)	The economic situation of the air transport industry in times of the Corona pandemic	Air traffic, Covid19 pandemic, green deal
2021 02 April/May/June	Lorraine Segreto, Fabian H. F. Hofmann & Rudolf Schritteser Tribotecc GmbH (AT) / Andreas Dodos - Eldon's SA (GR)	Composition of calcium sulfonate grease: Improvement of performance through different additive systems	Calcium sulfonate, overbased, solid lubricants, sulphides, additives, wear, extreme pressure
2021 02 April/May/June	Erik Willett - Functional Products Inc	Do Polymers Affect the Mechanical Stability of Grease?	Mechanical stability, roll stability, shear, polymer additives, grease polymer, consistency, yield
2021 02 April/May/June	Marc Ingram - Ingram Tribology / Matt Smeeth - PCS Instruments / Anup Chalisey - Rail Safety and Standards Board UK	Maintaining safe and quiet railways with "top of rail materials"	Friction, top of rail, flange, creep curves, railway

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2021 01 January/February/March	Mathias Woydt – Matrilub Berlin	The Importance of Tribology for Climate and Sustainability	Environmentally acceptable lubricants, friction reduction, titanium, nickel, chromium, silicon, manganese, zinc, molybdenum, copper, aluminium, steel, adhesive, coating, sealant
2021 01 January/February/March	Gareth Fish - Lubrizol	Extreme Pressure Performance of Greases: Passive EP Additives	extreme pressure, antimony dithiocarbamate, sulphur compounds, metalworking fluids, calcium sulfonates
2021 01 January/February/March	Andre Adam - Fragol	Old Timers with a Lubricant Heritage	lubricants
2021 01 January/February/March	Aydar Akchurin, F. Xavier Borrás - Tribonet	Online Elastohydrodynamic Film Thickness Calculator	hydrodynamics
2020 04 October/November/December	G.S. Dodos - Eldon's	Navigating the future; Lubrication Grease in marine applications	Renewability, biobased, calcium sulphonate complex, EAL, VGP
2020 04 October/November/December	M. Fathi-Najafi - Nynas Ameneh Schneider - Optimol Instruments; Jinxia Li - Nynas	The impact of viscosity of naphthenic oils and extreme-pressure additives on lubricating greases	Naphthenic oil, lithium grease, lithium complex grease, extreme pressure, tribology, SRV machine, four-ball machine
2020 03 July/August/September	Shamrock Technologies	Regulatory Compliant PTFE Additives for Greases and Lubricants	polytetrafluoroethylene (PTFE), lubricity, high wear resistance, tetrafluoroethylene (TFE), per fluoro octanoic acid (PFOA), polyalphaolefin (PAO).
2020 03 July/August/September	Frederic Espinoux, Nicole Genet, Franck Bardin; Penelope Norridge - TOTAL	When a lively Four-Ball Crescendo takes on a Weld!	four-ball EP test method, extreme pressure, seizure load, weld point, load wear index, grease, mechanical testinc, tribology, four-ball method, ASTM D2596.
2020 03 July/August/September	JohanLeckner – Axel Christiernsson and Fabian Schwack - KTH	Blowin' in the wind: How to choose grease for Wind turbine pitch bearings	wind turbine pitch bearings, four-point contact ball bearing, cylindrical roller bearing, pitch bearing grease, false brinelling, fretting corrosion, lithium complex, calcium complex soaps.
2020 01/02 January-June	J. Kaperick - Afton Chemical	The Mythology of Grease – Fact or Fiction?	Additive, testing, sulfur, ZDDP, borate, antioxidant, package, rheology, wear, extreme pressure, oxidation, thermal stability, friction, corrosion
2019 04 October/November/December	E. Georgiou - Falex	Measuring Grease Tackiness Objectively	tackifier, olefin copolymer, adhesion
2019 04 October/November/December	A. Dobler - Technical University Munich	Main influencing parameters on the wear characteristics of grease lubricated hard-soft gear pairings	mining, molybdenum, hypoid gears, life prediction methods, abrasive wear, lapping,
2019 04 October/November/December	G. S. Dodos - Eldon's	Performance assessment of different bio-based & biodegradable ester base oils on lubricating grease performance	Ester, hydrolytic stability, biobased, renewable, EAL
2019 03 July/August/September	Florian Pape - University of Hannover	Application of graphene in rolling element bearings	Graphene, dry lubrication, angular contact ball bearings, oscillating movement, rolling element bearings
2019 03 July/August/September	Ken Hope - Chevron Phillips	mPAO Advantages in lithium, polyurea and aluminium complex greases	aluminium, grease thickeners, low temperature, viscosity, pour point, grease thickeners, automotive, rolling element bearings, constant velocity joints, food grade lubricants

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2019 03 July/August/September	Lorraine Segreto - Tribotec	Solid lubricant - interactions with organic additives, performance booster or performance killer	solid lubricant, metal sulfide, organic additive, greases, high performance
2019 02 April/May/June	A. da Costa D'Ambros	Calcium Sulphonate Complex Grease, a Legendary Technology Adapted to Future Requirements	thickener, extreme pressure additives, infra red, rheology, viscosity, mining, graphite, mining, antiwear additives
2019 02 April/May/June	G. Fish	The Development of Lubricating Greases for Wind Turbine Applications	greases, gears, corrosion, maintenance, rust inhibitors, antiwear additives,
2019 02 April/May/June	A. Dodos	Grease Production, CO <sub>2</sub> Emission ... A New Relationship!	Lubricating grease, Manufacture, Energy, CO <sub>2</sub> emissions, Carbon footprint, Paraffinic oil, Naphthenic oil, Pressurised reactor, Open kettle
2019 01 January/February/March	Chen Shi Qi - Fujian Universal Oil	A study on properties of Lithium Grease Applied for High Temperature with low noise property	antioxidants, rust inhibitors, low temperature, greases, viscosity, thermal stability
2019 01 January/February/March	Roland Ar dai - Axel Christiernsson	From soil to plate - Lubricating the entire food processing chain	biodegradable, food grade lubricant, low temperature, greases
2018 04 October/November/December	Alexander Grechin - Setral Chemie	PFPE-greases: modern trends & perspectives	ptfe, low temperature, viscosity, food grade lubricants
2018 04 October/November/December	Joe Kaperick - Afton Chemical	Venit, Vidit, Vicit: Do all roads lead to lithium complex?	greases, rolling bearing, synthetic base stocks, combustion engine oils, extreme pressure additives, antiwear additives, rust inhibitors, infra red
2018 04 October/November/December	Paul Bessette - Triboscience & Engineering	The tribochemical activity of perfluoropolyether lubricants using a spiral orbit tribometer	ptfe, viscosity, vapour pressure, greases, corrosion inhibitor
2018 04 October/November/December	Jisheng E - GKN Driveline	New technology from the 4th industrial revolution	greases, viscosity, low temperature, infra red, emulsifier
2018 04 October/November/December	Simon Eiden - Oel-Waerme-Institut	Development of fast screening method of greases based on different analysis via determination of reaction kinetics	greases, rolling bearings, antioxidants,
2018 03 July/August/September	E. Casserly / S. Springer	The Effect of Base Oils on Thickening and Physical Properties of Lubricating Greases	Naphthenic, base oil, solvency, thickener, aniline point, viscosity index (VI), viscosity-gravity constant (VGC), yield
2018 03 July/August/September	S. Nagar	High Performance Automotive Greases with Enhanced Life and Future Trends	Thickener, Lithium Complex, Life performance, base oil, field trial, GCLB specification & ASTM D 3527 Test Method
2018 03 July/August/September	M. Fathi-Najafi	The Impact of High Viscous Naphthenic Oils in Various Thickener Systems	Naphthenic oil, Solvency power, Lithium greases, Lithium Complex grease, Organophilic Clay grease, Low temperature, Tribology, Rheology
2018 03 July/August/September	G. Fish	Lubricating Greases for Future Vehicles	Grease, vehicles, electrification, hybrid, energy efficiency
2018 03 July/August/September	S. Chatra	Mechanism in rolling/sliding contacts	Grease, polypropylene, TEM, cryo-SEM, microstructure, rolling bearings, lubrication mechanism, nano-particles

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2018 02 April/May/June	J. Galary - Nye Lubricants	A new methodology for validating automotive application reliability under fretting conditions	Fretting, Electrical Contact, Connector Lubricant, Grease, Corrosion
2018 02 April/May/June	A. Nevskaya - Dow Silicone	New approach in lubrication for noise and friction reduction in automotive applications	NVH, noise reduction, noise dampening, grease, anti-friction coating, dry lubrication, stick-slip prevention
2018 02 April/May/June	S. Daegling - Shell	Next generation railway axle box greases living longer in tougher conditions!	grease, maintenance, high performance, optimisation, shear stability
2018 01 January/February/March	G. Dodos - Eldon's / M. Fathi - Nynas	Oxidation Stability Parameters as Novel Monitoring Tools for a more robust Grease Production	Oxidation stability, Rapid Small Scale Oxidation Test, grease manufacturing process, monitoring tool
2018 01 January/February/March	G. Diloyan, NIS	Advanced LiX greases with outstanding tribological properties. Comparative study of MoS <sub>2</sub> , IF-WS <sub>2</sub> and PTFE solids in LiX greases	ptfe, antiwear additives, extreme pressure additives, greases, friction reducing, molybdenum, friction modifiers
2018 01 January/February/March	O. Hoeger - Shell	Shell XTL - new base oils push the boundaries of Group III	viscosity, low temperature, volatility, pour point, flash point, engine oils, turbine oils, cleanliness, greases, automotive, constant velocity joints,
2018 01 January/February/March	G. Fish - Lubrizol	Additive Technology to Improve the Grease Making	manufacture, grease, thickener, polymers, viscosity, low temperature, adhesion, thermal stability
2017 04 October/November/December	D. DeVore - Functional Products	Investigation of the high temperature stability of tackifiers	tackifier, high temperature, polymer, lubricant
2017 04 October/November/December	J. Kaperick - Afton Chemical	Complex Issue of dropping point enhancement in grease	greases, dispersants, rheology
2017 03 July/August/September	Y.Gao-Sinopec	The Impact of the Solvency of Naphthenics on the Structure of Lithium Complex Greases	naphthenic base oil, solvency, lithium complex grease
2017 03 July/August/September	A.Nevskaya - Dow Corning	New Phenyl/Fluoro Siloxane Copolymer Fluids. Properties and their use for Innovative Greases	silicones, high temperature applications, greases
2017 03 July/August/September	J.T. Galary Nye - Lubricants	Determination and Analysis of Bearing Corrosion using Machine Vision and Computational Algorithms	EMCOR, Bearing Corrosion
2017 03 July/August/September	L. Jiwei – Sinopec	An Application Study on the Calcium Sulfonate Complex Greases in the Roll Neck Bearings of Hot Rolling Mills	Calcium Sulfonate Complex Grease, performance change, Roll Neck Bearings
2017 02 April/May/June	A.Adam	MOSH and MOAH; a laymen's explanation	N/A

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2017 02 April/May/June	K. Holmberg	2017 Key Speaker: Innovations in Triobology	Product plus Service"-Concepts ▪ Laboratory Test Methods better reflecting the Application▪ Fill for Life Lubrication▪ New Additives or Base Oils▪ Noise Damping Greases▪ Innovative Grease Packages▪Minimum Quantity Lubrication▪Dosing and Application Systems
2017 02 April/May/June	J. Leckner	Polypropylene – A novel thickener technology with many surprises	Polymer thickener, Low friction, Long grease life,Lubrication mechanism
2017 02 January/February/March	L. Honary	Innovation in the Manufacturing Biobased Grease Using Microwaves	microwaves, production, aluminium complex greases
2017 01 January/February/March	G. Fish	Technology for sustainable grease development	Lubricating grease; Sustainability, Vegetable oils, Esters, Renewability, Ecolabel
2017 01 January/February/March	J. Bredsguard	Estolides – A high performance validation of grease flow	Sustainability, Renewable, Baseoil, Green Lubricants, Biobased
2017 01 January/February/March	S. Nolan	The Evaluation of oxidation resistance of lubricating greases using the rapid small scale oxidation test RSSOT	Rapid, Small Scale, Oxidation, Testing, RSVOT, Grease
2017 01 January/February/March	E. Parmak	Utilization of cellulose derivatives based oleogels with Biodegradable oils as eco-friendly grease	biodegradable, non-toxic, eco-friendly, grease, cellulose, castor oil, ester
2016 04 October/November/December	Lars G. Westerberg	Modelling and experimental validation of grease flow	Grease flow; micro particle image velocimetry; boundary layer; velocity profile, lubrication; rheology, computational fluid dynamics (CFD); particle motion
2016 04 October/November/December	Siegfried Lucazeau	To what extent do synthetic esters contribute to better sustainability of greases	environmental impact, renewability, durability, safety
2016 04 October/November/December	Peter Pratelli	Maximising environmental grease compounds for extreme high pressure high temperature applications	Environmental thread compound, HPHT, biodegradable, vegetable oil, calcium sulfonate complex grease
2016 03 July/August/September	D. Liu Petrochina	Calcium Sulfonate Complex Greases - A Solution to Wheel Flange Lubrication	Wheel flange lubrication, Calcium sulfonate complex grease, Boundary lubrication, Wear
2016 03 July/August/September	Apu Gosalia Fuchs Petrolub	Sustainability in the Grease Industry: Principle – Process – Product	Market breakdown; Sustainability; Carbon foot print reduction; Energy consumption; Future trends.
2016 03 July/August/September	J. Kaperick Afton Chemical	Rust Never Sleeps: An Investigation of Corrosion in Grease Lubrication	Corrosion, Rust, Rust inhibitor, EMCOR, D5969, D1743, D6138, Synthetic seawater, Grease, Grease thickener, Lithium hydroxide. Additive package. Ionic activity
2016 03 July/August/September	J. Persson Axel Christiernsson	Decorate your Chain Saw with Flowers	Bio-Grease, Anhydrous calcium thickener, EU Ecolabel, water contamination, low temperature

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2016 02 April/May/June	George Dodos	Valorisation of used cooking oil for the production of sustainable lubricating greases	Biobased lubricating greases, used cooking/frying oil, sustainability, green chemistry, environmentally acceptable lubricants
2016 02 April/May/June	Jon Evans	An advanced technique for evaluating oxidation effects on grease wear resistance	oxidation, wear
2016 02 April/May/June	Sara Rovinetti	New greases based on partially fluorinated lubricants (PFPE-PAGs)	fluorinated additive, fluorinated grease
2016 02 April/May/June	Yakov Epshteyn	Spherical molybdenum disulfide (SMD) in friction applications	Molybdenum disulfide, spherical molybdenum disulfide, lubrication, friction, wear, brake pads
2016 01 January/February/March	J-P. Stemplinger	Energy efficiency of grease lubricated gearboxes	Gears, Lubricants, Greases, Efficiency
2016 01 January/February/March	D. DeVore	The Effect of Polymer Additives on Grease Flow Properties	Polymer, Additive, Tackifier, Spray Off, Wash Out
2015 04 October/November/December	J. Kusak	Case studies in lubricating grease energy efficiency	Grease, Energy Efficiency, Sustainability
2015 04 October/November/December	S. Daegling	Reducing energy losses in electrical motors – previously unrecognised “low-hanging fruits	Energy efficiency, electric motor, bearing, friction, efficiency testing
2015 04 October/November/December	A.Igartua	Lubrication for vacuum & space applications	Vacuum, Lubricants, greases, ultrahigh vacuum, tribometer, space, equipments
2015 04 October/November/December	R. Zhang	Improvement on performance of overbased calcium sulfonate complex grease	grease, calcium sulfonate complex grease, antiwear, extreme-pressure, oleate, overbased, thickener
2015 04 October/November/December	N.K. Pokhriyal	“Structure – property” correlation of polymeric greases	
2015 03 July/August/September	J.Leckner	Energy efficiency and lubrication mechanisms of polymer thickened greases	Polymer thickener, Low friction, Long grease life
2015 03 July/August/September	Y. Epshteyn	Lubrication properties of Spherical Molybdenum Disulfide (SMD) in greases	Molybdenum disulfide (MoS <sub>2</sub> ), solid lubricants, Spherical Molybdenum Disulfide (SMD), greases, spray dryer, liquid, binder, dispersant, ASTM D 2596, ASTM D 2266, coefficient of friction, wear, extreme pressure (EP)
2015 03 July/August/September	A. Medzhibovskiy	Energy aspects of lubricants development with regard to the entropy of the resulting system	Entropy, grease, additives, lubricants, tribology
2015 03 July/August/September	W. Stehr	Yield stress and static friction. A tribological examination of a rheological property	yield stress, triological, fritction, static

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2015 02 April/May/June	G. Fish	The development of energy efficient greases	Lubricating Grease, Energy efficiency, Friction, Wear, Testing, Bearings
2015 02 April/May/June	J. Kaperick	Screen Test - Improvement on performance on overbased calcium sulfonate complex greases	Screen tests: Identifying the 'Good Actors' in Your High Temperature Grease Formulation - Keywords Statistical model High temperature grease FAG FE9 Grease life Lithium complex Weibull DIN 51821 Dropping point Mini Traction Machine Oscillatory rheometer Yield point Modulus Bearing torque Shear stress Aged grease Churning phase Bleeding phase Screening design ASTM D3527 PDSC Oxidation Degradation ASTM D2893 S200
2015 02 April/May/June	G. Yanqing	Grease solutions for the lubrication of truck wheel bearing	truck wheel bearing, grease static test, dynamic test, vehicle road test, solution
2015 02 April/May/June	S. Nagar	Energy efficiency through sulphonate complex greases in industrial applications	Energy efficiency, Sulphonate Complex Grease, Titanium Complex Grease, SRV Test, Continuous Caster System
2015 01 January/February/March	J. Wilkinson	Challenging Conventional Wisdom: Is 12-Hydroxystearic Acid the best fatty acid for making high dropping point lithium greases?	
2015 01 January/February/March	J. Kaperick	Lost your Bearings? Navigation tools for high temperature bearing grease formulations	Structural stability, Thermal stability, High temperature grease, Grease thickener, Oscillatory rheometer, Dropping point, ASTM D2265, Shear stress, Yield point, Storage modulus, High Frequency Reciprocating Rig (HFRR), Mini Traction Machine (MTM), FAG FE9, Tribofilm, Pressure Differential Scanning Calorimeter (PDSC) ASTM D2893 Bearing torque Coefficient of friction Oxidative stability Tribolayer Rheology
2015 01 January/February/March	C. Shi Qi	A study on properties of Diurea Greases applied for high temperature use	Urea grease, Ether oil, Grease life, Thin film evaporation; Wide temperature range application
2015 01 January/February/March	G. Diloyan	Fullerene-like inorganic nanoparticles (IF WS2) Novel grease EP additive	Lubricant, EP additive, Inorganic fullerenes, nanomaterials, nanoparticles, tungsten disulfide, nano grease,
2014 04 October/November/December	R. Abrahams	Comparative study on the effect of mineral oils with different degrees of refining on the high and low temperature tribological and rheological behaviours of greases	naphthenic oil, high temperature, mini-traction machine, rheology
2014 04	D. Gartz	Alkylated Naphthalenes	High temperature, synthetic base oils
2014 04 October/November/December	G. Fish	Grease additives for high temperature bearing applications	Grease; Bearing; High Temperature; Industrial Testing

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2014 04 October/November/December	M. Maaß	Advanced lubrication of steel mill components: A solution for extreme conditions	
2014 03 July/August/September	G. Dodos	A new approach for measuring oxidation stability of lubricating greases	<i>Greases, Oxidation stability, Test method, Rapid Small Scale Oxidation Test (RSSOT), Oxygen pressure vessel method (Norma - Hoffman), FTIR</i>
2014 03 July/August/September	A. Nevskaya	Silicone base fluids for high temperature lubricants	Silicones, greases, high temperature, bearings
2014 03 July/August/September	R.L. Burkhalter	Innovative engineering design facilitates plant construction	Production Plant, Engineering, 3D Computer Model, Cost Reduction
2014 03 July/August/September	R. Westbroek	Upper operating temperature of grease: Too hot to handle?	Upper Operating Temperature Grease; Rheometer; Rolling Bearing Assembly
2014 02 April/May/June	B. Johnson	Grease use, insights, and perspectives from the Palo Verde Nuclear Generating Station	heat exchanger, generator, nuclear power, radiation resistant grease, base oil viscosity increase, thickener scissioning
2014 02 April/May/June	S. Raadnui	A centrifiltergram maker for solid debris separation from used grease samples as for predictive and proactive maintenance of greased lubricated bearings	Predictive and Proactive Maintenance, Wear Debris Analysis
2014 02 April/May/June	S. Lucazeau	Combination of novel antioxidant system and thermally stable esters for high temperature greases. New components for improved high temperature greases	grease, fluid, neopolyol ester, anti-oxidant, high temperature, thermogravimetry, inorganic thickener, evaporation, oxidation, coking, chain oil
2014 02 April/May/June	A. Adam	The future of lubricants in food production	N/A
2014 02 April/May/June	S. Hausmann	Update on CLP Implementation	N/A
2014 02 April/May/June	R. Zhang	Synergistic combination of DMTD derivatives with organo-moly as EP additives in greases	grease, extreme pressure, glycol, polyglycol, 2,5-dimercapto-1,3,4-thiadiazole, DMTD dimer, molybdenum dithiophosphate, antiwear agents, friction reducing agent, testing
2014 01 January/February/March	P. Lugt	The grease lubrication mechanisms in rolling bearings	Rolling Bearings; Seal; Grease lubrication; Lubrication systems
2014 01 January/February/March	M. Adams	Friction, wear & extreme pressure properties of Lubricating greases at sub-zero temperatures to -40°C	friction, wear, pressure, fretting low temperature
2014 01 January/February/March	A. Kumar	Enhancing water resistant properties of bio-based greases	Lubricating grease, bio-based, canola oil, lithium 12-hydroxy, lithium complex, aluminium complex, lithium-calcium, water washout. water spray off
2013 04	L. Segreto	New solid lubricants for greases	Bearing, Extreme Pressure, Fluid, Grease, Solid Lubricant



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2013 04 October/November/December	J. Kaperick	Copper corrosion in grease: My two cents worth	Bearing, Ester, Extreme Pressure, Grease, Testing
2013 04 October/November/December	D. Morgan	Critical variables in lithium complex grease manufacturing	Fluid, Grease, Industrial, Metal Soap Thickener, Mineral Oil
2013 03 July/August/September	G. Fish	Calcium sulfonate answers to water issues	Bearing, Ester, Extreme Pressure, Fluid, Food Grade, Grease, High Temperature, Industrial, Low Temperature, Mineral Oil, Roll Stability, Shear Stability
2013 03 July/August/September	D. Authier	Calcium sulfonate carbonate greases: a solution to water resistance	Automotive, Bearing, Biodegradable, Environment, Extreme Pressure, Fluid, Grease, High Temperature, Industrial, Mechanical Stability, Mineral Oil, Roll Stability.
2013 03 July/August/September	J. Leckner	Grease + Water = Fatal Attraction?	Bearing, Biodegradable, Environment, Extreme Pressure, Grease, Industrial, Low Temperature, Mechanical Stability, Roll Stability, Testing
2013 03 July/August/September	D. Vargo	Polymers to enhance the water spray-off performance of greases as measured by ASTM D4049	Bearing, Biodegradable, Environment, Ester, Fluid, Glycol, Grease, High Temperature, Mineral Oil, Polyglycol, Shear Stability, Vegetable Oil
2013 02 April/May/June	E.M. Stempfel	Biodegradable Lubricating Greases 20 Years Ago vs. Today	Bearing, Biodegradable, Environment, Ester, Fluid, Food Grade, Glycol, Grease, Low Temperature, Mineral Oil, Vegetable Oil
2013 02 April/May/June	C. Coe	2011 NLGI Grease Production Survey	Fluid, Grease
2013 02 April/May/June	D.A. Pierman	Main Bearing Lubrication for Wind Turbines. A Systematic Approach for Grease Selection	Bearing, Elastohydrodynamic, Environment, Extreme Pressure, Grease, Low Temperature, Shear Stability
2013 01 January/February/March	P. Robinson	Understanding the additive requirements for formulating a high performance ecolabel grease	Bearing, Biodegradable, Environment, Ester, Extreme Pressure, Grease, Industrial, Low Temperature, Testing, Vegetable Oil
2013 01 January/February/March	P. Bessette	Testing greases to determine their suitability for the long term lubrication of electrical grid circuit breakers	Bearing, Ester, Fluid, Grease, Industrial, Mineral Oil, Testing
2012 04 October/November/December	M. Fathi-Najafi	Low temperature tribology: A study of the influence of base oil characteristics on friction behaviour under low temperature conditions	Automotive, Bearing, Boundary Lubrication, Ester, Fluid, Grease, High Temperature, Low Temperature, Mineral Oil, Rheology, Synthetic Oil, Testing
2012 04 October/November/December	E. Kuhn	Friction and wear process within grease film	Bearing, Grease, Wind Power
2012 04 October/November/December	D. Hesse	Specialty lubricants tailored for current and future brake system components	Automotive, Environment, Ester, Fluid, Glycol, Grease, High Temperature, Low Temperature, Mineral Oil, Safety, Shock Load, Solid Lubricant

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2012 03 July/August/September	J-P. Stemplinger	Wear behaviour of grease lubricated gears	Fluid, Grease, Mineral Oil, Solid Lubricant
2012 03 July/August/September	M. Sommer	Influence of grease components on the tribological behaviour of rubber seals	Bearing, Glycol, Grease, Hydrodynamic, Mineral Oil, Polyglycol
2012 03 July/August/September	A. Orendorz	Surface analysis – A powerful tool in the development and testing of new lubricants	Bearing, Grease, Testing
2012 02 April/May/June	J. Spagnoli	False Brinelling Test (Riffel) for Wind Turbine Grease	Grease, Bearing, Shock Load, Testing
2012 02 April/May/June	P. Whitehead	The financial implications of data generation for chemical registration under REACH	Environment, Grease, REACH, Substance Registration
2012 02 April/May/June	K.-J. Minis	Future of the grease market in Germany	Automotive, Bearing, Environment, Fluid, Food Grade, Grease, Industrial, Low Temperature, REACH, Solid Lubricant
2012 01 January/February/March	F. Herrero, G. Fish, W.C. Ward	Extreme Pressure Performance of Greases	Bearing, Extreme Pressure, Grease, High Temperature, PFPE, Rheology, Solid Lubricant
2012 01 January/February/March	J. P. Kaperick, J. Guevremont, K. Hux	A Study of Friction Modifiers in Grease	Bearing, Ester, Extreme Pressure, Fluid, Grease, Solid Lubricant, Testing
2011 04 October/November/December	P. M. Lugt, A. van den Kommer, H. Lindgren, C. Roth	The ROF+ methodology for grease life testing	Bearing, Elastohydrodynamic, Ester, Grease, High Temperature, Hydrodynamic, Industrial, Low Temperature, Mineral Oil, Testing
2011 04 October/November/December	S. Rovinetti, M. Avataneo, M. Beltramin, G. Boccaletti, V. Carsetti, G. Marchionni, F. Riganti, A. Russo	The new frontier of fluorinated lubricants	Bearing, Environment, Fluid, Grease, High Temperature, Low Temperature, PFPE, Rheology
2011 03 July/August/September	M. Jungk	Comparison testing of solid lubricants as dispersion, grease, paste and powder	Bearing, Boundary Lubrication, Environment, Fluid, Grease, High Temperature, Industrial, Low Temperature, Mineral Oil, Safety, Solid Lubricant, Testing
2011 03 July/August/September	A. Medzhibovskiy	Specifics of energetic effect of anti-wear additives (friction modifiers) in lubricants	Grease, Testing
2011 03 July/August/September	L. Honary	A status update on manufacturing biobased grease with microwaves	Biodegradable, Grease, High Temperature, Industrial, Mineral Oil, Synthetic Oil, Vegetable Oil
2011 02 April/May/June	D. Devore; S. Wang	A Study of polymer additives in mineral oil and vegetable oil-based	Bearing, Biodegradable, Environment, Ester, Fluid, Grease, High Temperature, Mineral Oil, Shear Stability, Vegetable Oil
2011 02 April/May/June	P. Bessette	The advantages and disadvantages of attenuated total reflectance, ATR, infrared spectroscopy	Ester, Fluid, Grease, Inorganic Thickener, Organic Thickener, PFPE, Testing
2011 02 April/May/June	S. Hausmann	Grease Thickeners - REACH registration progress (ERGTECF)	Environment, Grease, Mineral Oil, REACH, Safety, Substance Registration, Testing

# Title + Key Words Papers Published in Eurogrease

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Date Publication	Author(s)	Title	Key Words
2011 02 April/May/June	P. Boogaard	Toxicity of lithium salts - how bad are they? (ERGTCEF)	Environment, GHS, Grease, Health, REACH, Safety, Substance Registration
2011 02 April/May/June	E. Rushton	Classification and labelling of products (CLP ERGTECF)	CLP, Environment, GHS, Grease, Health, REACH, Safety, Substance Registration
2011 01 January/February/March	M. Fiedler	Complexity of tribological characterizations illustrated with poly-alpha-olefin grease	Biodegradable, Ester, Grease, Metal Soap Thickener, Testing
2011 01 January/February/March	B. Koch, T. Litters, N. Zaki	Influence of base oil polarity and thickener type on visco-elastic properties. Investigations with strain sweep rheometry at +25 °C and +80 °C	Automotive, Bearing, Environment, Ester, Fluid, Glycol, Grease, Low Temperature, Mineral Oil, Organic Thickener, Polyglycol, Rheology, Synthetic Oil, Testing
2010 04	O.A. Makedons'ky	Grease market in Ukraine	Automotive, Ester, Fluid, Grease, Industrial
2010 04 October/November/December	M. Kuhn, P. Staub, M. Schweigkofler, A. Orendorz	Tribolayer - lubricant additives protecting against wear	Bearing, Elastohydrodynamic, Ester, Glycol, Grease, High Temperature, Polyglycol, Testing
2010 04 October/November/December	L. Honary	Microwave based grease manufacturing - Now a reality	Biodegradable, Grease, High Temperature, Industrial, Mineral Oil, Safety, Synthetic Oil, Testing, Vegetable Oil
2010 03 July/August/September	E. Kuhn, M. A. Delgado Canto	Description of the structural degradation of lubricating greases as a reation of th tribological system	Grease, Mineral Oil, Rheology, Shear Stability, Testing
2010 03 July/August/September	Y.L. Ishchuk, O.A. Mishchuk, O.O. Makedons'ky, A.V. Shaposhnyk, A.V. Bogaichuk	Lubrication properties of high performance greases for various applicaitons: ratings of efficiencv	Automotive, Bearing, Boundary Lubrication, Ester, Extreme Pressure, Grease, Hydrodynamic, Industrial, Mineral Oil
2010 02 April/May/June	E. Kuhn	Some comments about the tribology of lubricating greases	Grease, Rheology, Shear Stability, Testing
2010 02 April/May/June	P. Logvinenko, B. Volodymir, S. Riabov, P. Bolgarin	Technological Lubricant based on rapeseed oil, products and wastes of its reprocessing	Biodegradable, Fluid, Grease, Vegetable Oil, Testing
2010 01 January/February/March	M. Jungk	Anti-friction as supplement to grease or oil lubrication	Environment, Fluid, Grease, Hydrodynamic, Industrial, Safety, Solid Lubricant
2010 01 January/February/March	H. Adolph, T. Litters	Determination of the low temperature performance of lubricating greases - correlation of methods	Automotive, Aviation, Bearing, Ester, Fluid, Glycol, Grease, Inorganic Thickener, Low Temperature, Mineral Oil, Organic Thickener, Rheology, Testing
2009 04 October/November/December	V. Serra-Holm	The changes in the global base oil market and their potential impact on the grease industry	Automotive, Grease, Industrial, Low Temperature

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Date Publication	Author(s)	Title	Key Words
2009 04 October/November/December	R. Zhang	Development and characterisation of high performance overbased calcium oleate complex grease	Bearing, Environment, Extreme Pressure, Food Grade, Glycol, Grease, Health, Low Temperature, Mechanical Stability, Mineral Oil, Roll Stability, Shear Stability, Testing, Vegetable Oil
2009 04 October/November/December	G. Fish	Development of greases with extended grease and bearing life	Automotive, Bearing, Boundary Lubrication, CLP, Elastohydrodynamic, Environment, Ester, Extreme Pressure, Fluid, Grease, Health, High Temperature, Hydrodynamic, Industrial, Safetv. Testing
2009 03 July/August/September	P.-O. Larsson-Kråik	Get your grease prize being grease wise	Automotive, Bearing, Boundary Lubrication, Elastohydrodynamic, Environment, Grease, Hydrodynamic, Industrial, Low Temperature. Rheology
2009 03 July/August/September	L. Honary	New developmenbts in biobased and conventional grease manufacturing processes	Fluid, Grease, High Temperature, Industrial, Low Temperature, Mineral Oil, Synthetic Oil, Testing, Vegetable Oil
2009 03 July/August/September	C. Coe	Shouldn't grease upper operating temperature claims have a technical basis?	Automotive, Bearing, Fluid, Grease, High Temperature, Safety, Testing
2009 02 April/May/June	A. Begg; P.M. Lugt; F.C.M. Fiddelaers	SKG grease knowledge and sustainability	N/A
2009 02 April/May/June	E. Nehls; T. Habereeder	Additive systems for biodegradable greases, according to European Ecolabel	Biodegradable, CLP, Environment, Ester, Extreme Pressure, Fluid, Grease, Health, Low Temperature, Metal Soap Thickener, Mineral Oil, Vegetable Oil
2009 02 April/May/June	P. Whitehead	REACH update and current acitivities	Environment, Grease, Health, REACH, Safety
2009 01 January/February/March	R.I. Popovici; D.J. Schipper	Modelling contact phenomena and those influenced by greases	N/A
2009 01 January/February/March	S. Bots; P. Weismann	Used grease analysis; smallest sample volume provides detailed information	N/A
2009 01 January/February/March	E. Gorritxategi; J. Terradillos; A. & E. Aranzabe; A. Arnaiz;	Novel method for lube quality status assessment based on visible spectrometric analysis	N/A
2008 04 October/November/December	G. Fish; W.C. Ward Jr.; F. Qureshi	Influence of components blended to a target base oil viscosity on liquid phasse and lithium grease properties	Automotive, Bearing, Elastohydrodynamic, Environment, Ester, Fluid, Grease, Hydrodynamic, Industrial, Low Temperature, Mechanical Stability, Rheology, Roll Stability, Testing
2008 04 October/November/December	P.A. Guarda; F. Riganti; G. Marchionni; A. Di Meo	Linear PFPE oils with improved thermal stability	Fluid, Grease, High Temperature, Low Temperature, PFPE
2008 04 October/November/December	M. Jungk; D. Drees; S. Achanta	Grease tackiness/adhesion	Ester, Fluid, Grease, Industrial, Mineral Oil, Rheology, Silicone Oil, Solid Lubricant, Solid Lubricant

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Date Publication	Author(s)	Title	Key Words
2008 03 July/August/September	V. Serra-Holm	Naphthenic bright stocks: tomorrow's possibility or today's reality?	Automotive, Bearing, Fluid, Grease, Industrial, Rheology, Shear Stability
2008 03 July/August/September	M. Grebe	Various influencing factors on the development of standstill marks (false brinelling effect)	Bearing, Grease, Industrial, Low Temperature, Testing
2008 03 July/August/September	C.R. Coe	Development and field testing of a heavy duty synthetic polyurea grease	Bearing, Elastohydrodynamic, Fluid, Food Grade, Grease, High Temperature, Hydrodynamic, Mineral Oil, Testing
2008 02 April/May/June	P. Teixeira Gomes	Lubricant & grease market in Portugal	Environment, Food Grade, Grease, Industrial
2008 02 April/May/June	J.-C. Dufour	The European lubricants market	Automotive, Fluid, Grease, Industrial
2008 02 April/May/June	S. Nolan	Evaluation of low temperature properties of lubricating greases for centralised systems	Bearing, Fluid, Grease, Low Temperature, Rheology, Testing
2008 01 January/February/March	M. Jungk	Silicone oil based greases - a new approach	Bearing, Environment, Ester, Extreme Pressure, Fluid, Grease, Industrial, PFPE, Silicone Oil
2008 01 January/February/March	M. Bichler	The new "MoreQuiet" grease noise evaluation system: the best of two worlds	Bearing, Ester, Grease, Industrial, Testing
2007 04 October/November/December	A. Williams	Creating a lithium based aircraft wheel bearing grease	Bearing, Environment, Fluid, Grease
2007 04 October/November/December	H. Adolph; P. Bartl	Compatibility and interchangeability of NATO-Greases	Aviation, Bearing, Ester, Grease, Low Temperature, Metal Soap Thickener, Mineral Oil, Roll Stability, Safety, Testing
2007 04 October/November/December	A. Bessette	The amount of PTFE in perfluoropolyether grease by the enthalpy of fusion	Bearing, Environment, Fluid, Food Grade, Grease, PFPE, Rheology, Testing
2007 03 July/August/September	E. Kuhn	Influence of the soap content of lubricating greases on the tribological process	N/A
2007 03 July/August/September	A. Swallow; J. Spenceley	Globally harmonised system (GHS) for the classification and labelling of chemicals	CLP, Environment, GHS, Grease, Health, REACH, Safety, Substance Registration, Testing
2007 03 July/August/September	E. Kobylansky; H. Kravchuk; Y. Ishchuk; O. Oliynykov	Overbased phenolate complex greases	Grease, High Temperature, Metal Complex Soap Thickener
2007 02 April/May/June	G. Gow, M. Fathi-Najafi, M. Kruse	REACH-free lubrication with a novel polymer thickened lubricant	Bearing, Environment, Ester, Fluid, Food Grade, Glycol, Grease, Health, High Temperature, Low Temperature, Mechanical Stability, Mineral Oil, REACH, Rheology, Roll Stability, Shear Stability, Shock Load, Substance Registration, Synthetic Oil, Testing, Vegetable Oil, Wind Power
2007 02 April/May/June	V. Serra-Holm	Super heavy naphthenics: additive or base oil?	Bearing, Fluid, Grease, Rheology, Shear Stability, Solid Lubricant

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Date Publication	Author(s)	Title	Key Words
2007 02 April/May/June	L.A.T. Honary	Biobased greases and lubricants: technology advances and market opportunities	Automotive, Biodegradable, CLP, Environment, Ester, Fluid, Food Grade, Grease, Health, Industrial, Low Temperature, Testing, Vegetable Oil
2007 01 January/February/March	W. Ewald, T. Lange, S. Dörr, J. Moilanen	Impact of various base oils on the low temperature properties of lithium greases	Bearing, Ester, Fluid, Grease, Low Temperature, Mineral Oil
2007 01 January/February/March	A. Williams	Aircraft greases - expectations - requirements - areas of effect	N/A
2007 01 January/February/March	T. Litters, G. Jacobs	Modern terephthalamate greases, a renaissance?	Automotive, Bearing, Ester, Grease, High Temperature, Hydrodynamic, Low Temperature, Metal Soap Thickener, Testing
2006 04 October/November/December	Test Methods Working Group (TMWG), D. Miller	Comparison of standards	N/A
2006 04 October/November/December	V.M.M.B da Mota, L.A.A. Ferreira	Experimental investigations on rolling contact fatigue of artificially dented surfaces under grease elastohydrodynamic lubrication	Bearing, Elastohydrodynamic, Grease, Hydrodynamic, Industrial
2006 04 October/November/December	M. Fathi Najafi, S.Breum Hansen	Keeping it simple is probably the best: thread compound development for the on - and offshore industry	Biodegradable, Environment, Ester, Extreme Pressure, Grease, Mineral Oil, Testing
2006 04 October/November/December	Jisheng E, G. Fish, S. Rosenkranz, F. Reher	Comparison between PDSC and oxygen bomb test methods for evaluation of grease oxidation stability	Fluid, Grease, High Temperature, Industrial, Mineral Oil, Synthetic Oil, Testing
2006 03 July/August/September	R. Vanecek	Eastern European grease market	Automotive, Ester, Grease, Industrial
2006 03 July/August/September	W.J. Bartz	Tribological aspects of wind energy plants	Bearing, CLP, Environment, Fluid, Grease, Low Temperature, Mineral Oil, Wind Power
2006 03 July/August/September	J. Terradillos; M. Bilbao; J.I. Ciria; A. Malaga; J. Ameye	Oil analysis as an improvement tool for the behaviour of wind turbine gears: main problems detected through the condition of the lubricant	Bearing, Biodegradable, Elastohydrodynamic, Ester, Extreme Pressure, Fluid, Grease, Health, High Temperature, Hydrodynamic, Industrial, Mineral Oil, Synthetic Oil, Testing, Wind Power
2006 02 April/May/June	S. Harley	A guide to REACH for ELGI members	Environment, GHS, Grease, Health, REACH, Safety, Substance Registration, Testing
2006 02 April/May/June	M. Morris	REACH grease consortium	GHS, Grease, REACH, Substance Registration
2006 02 April/May/June	S. Harley	REACH - an update on the forthcoming regulation	Automotive, Environment, Ester, GHS, Grease, Health, Industrial, REACH, Safety, Substance Registration, Testing
2006 02 April/May/June	G. Gow	Implications of REACH from a grease producer's perspective	Environment, Fluid, Grease, Health, Industrial, REACH, Safety, Substance Registration, Testing
2006 02 April/May/June	A. Swallow	Eco-laber: how do esters match up?	Biodegradable, CLP, Environment, Ester, Fluid, Grease, Health, High Temperature, Low Temperature, Vegetable Oil

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Date Publication	Author(s)	Title	Key Words
2006 01 January/February/March	A. Swallow; J. Eastwood	Selection criteria of esters in environmentally acceptable greases	N/A
2005 06 November/December	J. Deelen	Flexible containerised module system for grease production	Grease, Industrial
2005 06 November/December	C.F. Kernizan; S.J. Nolan; P.S. Greenfield; C.L. Hollingshurst	Desiccated lithium - a novel saponification agent for lithium soap grease manufacture	Grease, Metal Soap
2005 06 November/December	J.S. Kay, P.E. Morgan; D. Morgan	Evaluation of various raw material options for producing aluminium complex greases	Grease, Mechanical Stability, Rheology, Testing
2005 05 September/October	P.A. Bessette	Some insights regarding the filtration of lubricating grease	Bearing, Environment, Ester, Fluid, Grease
2005 05 September/October	A. Arranzabe et al	Comparing different analytical techniques to monitor lubricating grease degradation	Bearing, Biodegradable, Grease, High Temperature, Testing
2005 05 September/October	J. Zuleeg	Predition of stick-slip behaviour with the aid of the oscillation friction wear tester SRV	Ester, Grease, Hydrodynamic, Testing
2005 04 July/August	E. Kuhn; V. Kapoor; T. Rieling	Deformation tests with model greases using a rheometer	Bearing, Fluid, Grease, Testing
2005 04 July/August	L. Hughes; A. Swallow	A Study of the possible impact of REACH for an automotive grease manufacturer	Automotive, CLP, Environment, Ester, Fluid, Grease, REACH, Safety, Substance Registration, Testing
2005 04 July/August	M. Gullaner	To Bi or not to Bi...Bismuth in the soap structure	Bearing, Grease, High Temperature, Mechanical Stability, Roll Stability
2005 04 July/August	B.S. Nagarkoti; S.H. Dalvi; A.K. Jain; B. Rameswar; G. Baskaran	Railroad tapered roller bearing grease	Bearing, Boundary Lubrication, Elastohydrodynamic, Environment, Extreme Pressure, Fluid, Grease, High Temperature, Hydrodynamic, Industrial, Low Temperature, Mechanical Stability, Roll Stability, Shear Stability, Solid Lubricant, Testing
2005 03 May/June	M. Morris	European Communities - Lubricants Rco-Label	Automotive, Biodegradable, CLP, Environment, Fluid, Grease, Health, REACH, Safety, Substance Registration
2005 03 May/June	J. Cliff	The UK Grease Market	Automotive, Environment, Fluid, Grease, Industrial
2005 02 March/April	M. E. Hunter; presented by C. van Booma	Synergistic rust inhibitor and EP/AW additives for greases	N/A
2005 01 January/February	J. Eastwood; A. Swallow	Selection of esters in environmentally acceptable greases	N/A
2004 06 November/December	P.A. Bessette	Determining the low temperature properties of grease with a Brookfield Viscometer	N/A

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<b>Date Publication</b>	<b>Author(s)</b>	<b>Title</b>	<b>Key Words</b>
2004 06 November/December	N. van Leeuw	Grease lubricating requirements for centralised lubrication systems in turnkey plants	N\A
2004 05 September/October	P.C. Hamblin; S. Laemlin; P. Rohrbach; J. Reyes-Gavilan; D. Zschech	Evaluation of the thermo-oxidative characteristics of greases by pressurised differential scanning calorimetry	Fluid, Grease, High Temperature, Industrial, Solid Lubricant, Testing
2004 05 September/October	T.W. Dicken	Update of draft AMS-M-99D general purpose airframe grease	Aviation, Fluid, Grease, Industrial, Low Temperature, Safety, Testing
2004 05 September/October	E.M. Stempfel; M. Baumann	Environmentally acceptable lubricants in railway applications	Environment, Ester, Extreme Pressure, Fluid, Glycol, Grease, High Temperature, Inorganic Thickener, Low Temperature, Metal Soap, Mineral Oil, Organic Thickener, Rheology, Solid Lubricant, Testing, Vegetable Oil
2004 04 July/August	Kobylyansky; Ishchuk; Abramovych; Makedonsky	Nano-technologies in lubricatin materials ideas & prospects	Grease, Industrial, Inorganic Thickener, Mineral Oil, Organic Thickener, Synthetic Oil, Vegetable Oil
2004 04 July/August	H. Ridderikhof	Safety health & environment considerations in the selection & development of base-fluids for industrial lubricants	Biodegradable, CLP, Environment, Ester, Fluid, Glycol, Grease, Health, High Temperature, Industrial, Low Temperature, Mineral Oil, Polyglycol, Safety, Silicone Oil, Vegetable Oil
2004 04 July/August	J.M. Kurosky	Advanced grease compositions for marine, inland waterway & water processing applications	Automotive, Bearing, Environment, Ester, Extreme Pressure, Fluid, Grease, Health, Industrial, Roll Stability, Testing, Vegetable Oil
2004 03 May/June	B. Johnson	The use of a stress rheometer in lieu of cone penetration	CLP, Ester, Grease, Rheology, Testing
2004 03 May/June	P. Maccone	New effective thickener for fluorinated greases	Bearing, Fluid, Grease, Industrial, PFPE
2004 03 May/June	J. Baudner; L. Kanne	Grease concept for the reduction of relubrication quantities in the stell industry	Bearing, Environment, Fluid, Grease, High Temperature, Mechanical Stability, Testing
2004 02 March/April	B. Johnson; J. Ameye	Condition monitoring of anti-oxidant chemistry of in-service bulk greases	Bearing, Environment, Ester, Extreme Pressure, Fluid, Grease, Health, Industrial, Testing
2004 02 March/April	W. Mackwood; R. Muir; K. Brown; T. Austin	Reduction in power plant maintenance using calcium sulfonate complex grease	Bearing, Environment, Ester, Fluid, Food Grade, Grease, High Temperature, Industrial, Low Temperature, Mechanical Stability, Mineral Oil, Roll Stability, Safety, Testing
2004 01 January/February	M. D. Kieke; R.J. Klein	Earth friendly vegetable oil based greases thickened with organophilic clay	Biodegradable, Environment, Ester, Fluid, Food Grade, Glycol, Grease, Industrial, Mineral Oil, Rheology, Vegetable Oil
2004 01 January/February	S. Nolan	Use of a controlled stress rheometer to evaluate rheological properties of grease	Extreme Pressure, Fluid, Grease, High Temperature, Industrial, Low Temperature, Mechanical Stability, Mineral Oil, Rheology, Shear Stability, Testing, Vegetable Oil



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Date Publication	Author(s)	Title	Key Words
2003 06 November/December	V. Serra-Holm	Life cycle assessment (LCA) from cradle to gate of mineral and vegetable base oils used in the production of lubricants	Environment, Grease, Health, Vegetable Oil
2003 06 November/December	A. Willing	Environmental classification of formulations according to the dangerous preparations directive (99/45/EEC)	Biodegradable, Environment, GHS, Grease, Health, Safety, Substance Registration, Testing
2003 05 September/October	M. Jungk	What have silicones & perfluoropolyethers in common?	Bearing, Environment, Ester, Extreme Pressure, Fluid, Glycol, Grease, High Temperature, Industrial, Mineral Oil, PFPE, Polyglycol, Silicone Oil, Solid Lubricant, Synthetic Oil
2003 05 September/October	R. Luther	Lubricating greases & the environment: viewpoints on actual European legislation	Bearing, Biodegradable, Environment, Ester, Fluid, Grease, Health, Industrial, Mineral Oil, REACH, Safety, Testing
2003 04 July/August	O. Makedonsky	Structure and physico-chemical properties of overbased calcium sulfonate complex greases	Environment, Fluid, Grease, Safety, Synthetic Oil
2003 04 July/August	J. Hirigoyen; E. Gard	Tribological properties of fullerene type additives, the astralenes, shown in comparison with standard solid lubricants in a lithium grade 2 standard grease	Bearing, Ester, Fluid, Grease, Hydrodynamic, Industrial, Solid Lubricant, Testing
2003 03 May/June	A. Feßenbecker	Environmentally acceptable lubricants: an additive point of view	Automotive, Bearing, Biodegradable, CLP, Environment, Ester, Fluid, Glycol, Grease, Health, Industrial, Low Temperature, Mineral Oil, Rheology, Safety, Testing.
2003 03 May/June	J. Cliff	The Austrian grease market	Automotive, Ester, Grease, Industrial
2003 02 March/April	A. Aranzabe Garcia	The application of micro technologies in condition monitoring of grease in centralised systems	Bearing, Environment, Fluid, Grease, Industrial, Rheology, Testing
2003 02 March/April	O. Rohr	Preformed soap as thickener and EP-additive for grease production	Automotive, Aviation, Bearing, Ester, Extreme Pressure, Food Grade, Grease, Low Temperature, Mineral Oil, Roll Stability, Vegetable Oil
2003 01 January/February	J. Kurosky; S. Mehdi; V. Zafir	Grease compatibility or performance dilution?	Automotive, Aviation, Extreme Pressure, Fluid, Grease, Low Temperature, Safety, Shear Stability, Testing
2003 01 January/February	W. Mackwood	Calcium sulfonate complex grease: the next generation food machinery grease	Bearing, Environment, Ester, Extreme Pressure, Fluid, Food Grade, Grease, Low Temperature, Mechanical Stability, Mineral Oil, Roll Stability, Safety, Shock Load, Testing
2002 06 November/December	S. Broersen	LubeSelect: bearing lubricant selection tool	Bearing, Environment, Grease
2002 06 November/December	E. Kuhn; T. Schmidt	Investigation into the cohesion behaviour of lubricating greases with a new pendulum tribometer	Bearing, Grease, Mineral Oil, Testing

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2002 05 September/October	L. Muntada	The lubricant market in Spain	Automotive, Aviation, Bearing, Biodegradable, Environment, Ester, Fluid, Grease, Industrial, Mineral Oil
2002 05 September/October	J. S. Kay; R.S. Panesar	Optimising the manufacture of lithium grease with the Stratco contactor reactor	Grease, Mechanical Stability, Shock Load
2002 04 July/August	S. Peters	European dangerous preparations directive (DPD) 1999/45/EC and its influence on labelling	CLP, Environment, Fluid, Grease, Health, Industrial, Safety, Substance Registration
2002 04 July/August	J. Eastwood	EC dangerous preparations directive (DPD) application to greases and ingredients	Biodegradable, CLP, Environment, Ester, Fluid, Glycol, Grease, Health, Industrial, Metal Soap Thickener, Mineral Oil, Safety, Substance Registration
2002 03 May/June	H. Gustafsson	Environmental requirements for lubricating grease and hydraulic fluids	N/A
2002 03 May/June	K. Yano	The NSF International non-food compounds registration and listing programme	CLP, Environment, Ester, Fluid, Food Grade, Grease, Health, Mineral Oil, Safety, Substance Registration
2002 03 May/June	Rhein Chemie	CD test methods for industrial lubricants	N/A
2002 03 May/June	C. van Booma	Ashless rust inhibitors for greases	Bearing, Ester, Glycol, Grease, Mineral Oil, Testing
2002 02 March/April	M. Jungk; H. Stoegbauer	New developments in automotive ball joint greases	Automotive, Bearing, Ester, Grease, Mineral Oil, Testing
2002 01 January/February	P.M. Cann	Friction behaviour of grease in rolling-sliding EHL contacts	Bearing, Boundary Lubrication, Fluid, Grease, High Temperature, Low Temperature, Rheology
2001 06 November/December	A. van den Kommer; J. Ameye	Prediction of remaining grease life: a new approach and method by linear sweep voltammetry	N/A
2001 06 November/December	T. Litters; W. Dresel; C. Nemack	Some findings with the Vogel FTG 2 tester according to Marawe: a new test method for measuring the tendency of lubricating greases to separate oil and to harden under pressure	N/A
2001 05 September/October	W. Möller	Grease pack recommendations	N/A
2001 05 September/October	H. Reust	The Swiss chemical legislation: present and future	CLP, Environment, Grease, Health, Safety, Substance Registration
2001 05 September/October	A. Mistry; R. Bradbury	Performance of lubricating grease in the presence of water	Bearing, Ester, Fluid, Grease, Low Temperature, Roll Stability, Testing
2001 04 July/August	F. Meier	Swiss grease market	Automotive, Bearing, Biodegradable, Grease, High Temperature, Industrial
2001 04 July/August	E. Kuhn	A stress-strain diagram for lubricating greases	Grease, Testing

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2001 04 July/August	P.S. Greenfield et al	Functionalised polymers in grease: past, present and future	Bearing, Fluid, Grease, High Temperature, Hydrodynamic, Low Temperature, Rheology, Shear Stability
2001 03 May/June	T.J. Hansel; W.W. Mullins	Heavy duty transmission and axle lubricants mineral or synthetic for extended drain?	Ester, Extreme Pressure, Grease, Low Temperature, Mineral Oil, Solid Lubricant, Synthetic Oil, Testing
2001 03 May/June	S. Hazan; B. Tanner	Lubricant registrations under the NSF international non-food compounds registration programme	CLP, Fluid, Food Grade, Grease, Health, Safety, Substance Registration, Testing
2001 02 March/April	C. Köhler	Food grade lubricants	N/A
2001 02 March/April	J. Root	Polyurea grease thickeners, a grease researcher's dream	Automotive, Environment, Grease, High Temperature, Industrial, Low Temperature, Roll Stability, Shear Stability
2001 01 January/February	M.D. Kieke	An overview of lubricants thickened with organically modified clay	Automotive, Bearing, Biodegradable, Ester, Fluid, Glycol, Grease, Industrial, Mechanical Stability, Mineral Oil, Polyglycol, Rheology, Solid Lubricant, Synthetic Oil, Vegetable Oil
2000 06 November/December	H. Bäckström	Technical white oil for food-grade greases	Fluid, Food Grade, Grease, Industrial, Low Temperature, Metal Soap Thickener, Mineral Oil
2000 06 November/December	W. Möller; G. Koch	Labelling trends in the European lube oil industry	CLP, Environment, Fluid, Grease, Industrial
2000 05 September/October	D. Bell	Measurement of viscoelasticity in greases using dynamic compressional flow	Bearing, Environment, Fluid, Grease, Low Temperature, Mineral Oil, Rheology, Solid Lubricant, Synthetic Oil, Testing
2000 05 September/October	P. Vergne et al	Effect of carrier base solvency in greases: microstructure, properties and performances	Bearing, Environment, Ester, Fluid, Grease, High Temperature, Industrial, Mineral Oil, Rheology, Shear Stability, Solid Lubricant
2000 04 July/August	G. Dodos	The grease market in Greece	Automotive, Grease, Industrial
2000 04 July/August	A. Mistry	New global aerospace grease: SAE AMS-M core specification	Aviation, Bearing, Extreme Pressure, Fluid, Grease, Low Temperature, Testing
2000 03 May/June	C. van Booma; M.E. Hunter; R.F. Baker	Corrosion: rust and beyond	Bearing, Environment, Ester, Grease, Testing
2000 03 May/June	L.A.T. Honary	Field test results of soybean based greases developed by the UNI-ABIL research programme	Automotive, Biodegradable, Environment, Fluid, Grease, High Temperature, Industrial, Testing, Vegetable Oil
2000 02 March/April	D. Miller; W. Bernaards	Environmentally acceptable thread compounds	Bearing, Boundary Lubrication, Environment, Ester, Fluid, Grease, Industrial, Mineral Oil, Testing
2000 02 March/April	E. Kuhn	Viscosity rate and energy density	Grease, Industrial, Rheology

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Date Publication	Author(s)	Title	Key Words
2000 01 January/February	L. Honary	Harvesting seeds planted by checkoff dollars: UNI-ABIL research programme & soybean-based industrial lubricants	Automotive, Biodegradable, Environment, Ester, Fluid, Grease, Industrial, Testing, Vegetable Oil
2000 01 January/February	I.G. Fuks; L. Bagdadarov	New greases for the Russian automotive industry	Automotive, Bearing, Fluid, Grease, Mineral Oil, Synthetic Oil
2000 01 January/February	E. Gard	Solid lubricants! What is the future?	Environment, Extreme Pressure, Fluid, Grease, Hydrodynamic, Industrial, Solid Lubricant, Testing
1999 06 November/December	A.S. Polishuk	Saponification for lithium greases made easier	Aviation, Grease, Health, Mineral Oil, Safety
1999 06 November/December	G. Daniel et al	New generation lithium complex multipurpose grease	Automotive, Aviation, Bearing, Elastohydrodynamic, Environment, Fluid, Grease, High Temperature, Hydrodynamic, Industrial, Low Temperature, Mechanical Stability, Rheology, Shear Stability. Shock Load. Testing
1999 05 September/October	S. Daegling	Low noise greases: standards of measuring techniques and application	Bearing, Ester, Grease, Industrial, Testing
1999 05 September/October	J. Pohlen; G. Gow	From black to white: problem solving for heavy load application	Bearing, Environment, Ester, Extreme Pressure, Fluid, Grease, Shock Load, Synthetic Oil, Testing
1999 04 July/August	A. Prato	Lubricants in the food industry: market and applications	Automotive, Bearing, CLP, Environment, Fluid, Food Grade, Grease, Health, High Temperature, Industrial, Low Temperature. Safety. Testing
1999 04 July/August	C. Streun	Lubricants in the food industry: legislation and chemistry	CLP, Ester, Extreme Pressure, Fluid, Food Grade, Glycol, Grease, Health, High Temperature, Industrial, Mineral Oil, Safety. Solid Lubricant
1999 03 May/June	S. Hurley; P.M. Cann	Grease composition and film thickness in rolling contacts	Bearing, CLP, Elastohydrodynamic, Fluid, Grease, Hydrodynamic, Rheology
1999 03 May/June	P. Waara; P.-O. Larsson	Grease behaviour in a rail lubricating system exposed to arctic conditions	Boundary Lubrication, Environment, Ester, Fluid, Grease, Industrial, Low Temperature, Mineral Oil, Rheology
1999 02 March/April	J.P. King	A novel solid extreme pressure/antiwear lubricant additive	Bearing, Biodegradable, Boundary Lubrication, Environment, Ester, Extreme Pressure, Fluid, Food Grade, Glycol, Grease, Hydrodynamic, Industrial, Low Temperature, Mineral Oil, Polyglycol. Vegetable Oil
1999 02 March/April	J. Richter	Optimizing efficiency indices of constant-velocity joints with low-friction lubricants	Automotive, Bearing, Environment, Grease, Solid Lubricant, Testing
1999 01 January/February	D.A. Slack	ASTM protocol for grease test method approval	Automotive, Bearing, Environment, Extreme Pressure, Fluid, Grease, Low Temperature, Rheology, Roll Stability, Testing
1999 01 January/February	U. Duus	Ren Smörja I Göteborg: a development project for environmentally adapted lubricants in Sweden	Bearing, Biodegradable, Environment, Fluid, Grease, Health, Industrial, Safety, Testing

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1999 01 January/February	P.-O. Larsson; R. Larsson	Combined experimental/numerical approach: influence of different lubricating properties	Bearing, Elastohydrodynamic, Fluid, Grease, Hydrodynamic, Mineral Oil, Rheology, Testing
1998 06 November/December	E. Kuhn	Investigation of stressed greases by use of a rheometer	Bearing, Environment, Fluid, Grease, Mechanical Stability, Rheology, Testing
1998 06 November/December	P. Vergne	Lubricating greases, correlation between composition & rheology	Environment, Fluid, Grease, High Temperature, Rheology, Testing
1998 05 September/October	A. Polishuk	A brief review of calcium greases	Automotive, Aviation, Biodegradable, Environment, Ester, Extreme Pressure, Glycol, Grease, High Temperature, Industrial, Mineral Oil, Safety, Synthetic Oil, Testing, Vegetable Oil
1998 05 September/October	B. Williamson; D. Miller	Condition monitoring of grease lubricated rolling element bearings	Automotive, Bearing, Biodegradable, Elastohydrodynamic, Environment, Ester, Fluid, Grease, High Temperature, Hydrodynamic, Rheology, Solid Lubricant
1998 04 July/August	J. Cliff	The institute of petroleum (IP) protocol for test method approval	Bearing, Environment, Extreme Pressure, Grease, Health, Low Temperature, Safety, Testing
1998 04 July/August	A. Kemble	Evaluation of industrial bearing grease performance	Automotive, Bearing, Biodegradable, Environment, Ester, Grease, High Temperature, Industrial, Metal Soap Thickener, Safety, Silicone Oil, Synthetic Oil, Testing
1998 04 July/August	R. Karbacher	Measuring the lubricant film thickness in rolling bearings	Bearing, Ester, Grease, Mineral Oil, Testing
1998 03 May/June	G. Gow	What's the PO.in't? A personal reflection on the state of the art	Bearing, Biodegradable, Environment, Ester, Extreme Pressure, Fluid, Glycol, Grease, Health, High Temperature, Industrial, Low Temperature, Mineral Oil, Polyglycol, Rheology, Safety, Solid Lubricant, Testing, Vegetable Oil
1998 03 May/June	A. Mistry; R. Bradbury	An evaluation of the relationship between the low temperature torque, the apparent viscosity and the low temperature cone penetration of lubricating greases	Automotive, Bearing, Ester, Grease, Low Temperature, Mineral Oil, Roll Stability, Testing
1998 02 March/April	G. Gow	PO1: the story of the moral	N/A
1998 02 March/April	E. Kuhn	Lubricating grease : an active element of the tribological system	Bearing, Environment, Fluid, Grease, Rheology
1998 01 January/February	T. Rosemann; R. Hunt	Correlation between bearing test rig performance and rheology based on a study of greases consisting of perfluorinated polyether fluids thickened with PFTE	N/A

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Date Publication	Author(s)	Title	Key Words
1998 01 January/February	M. Jungk; D. Hesse	Silicone oil based fluids as a tool to tailor high performance lubricating greases	N/A
1997 06 November/December	P. Cann	Grease lubricant films in rolling contacts	Bearing, Boundary Lubrication, Elastohydrodynamic, Fluid, Grease, Hydrodynamic, Mineral Oil, Rheology, Roll Stability, Testing
1997 06 November/December	T. Endo	Current trends in diurea greases in Japan	Automotive, Bearing, Environment, Ester, Fluid, Grease, High Temperature, Industrial, Mineral Oil, Roll Stability, Shear Stability
1997 06 November/December	W.J. Bartz	Synthetic lubricating greases: a survey	Automotive, Biodegradable, Environment, Ester, Extreme Pressure, Fluid, Grease, High Temperature, Industrial, Low Temperature, Mineral Oil, Silicon Oil, Synthetic Oil
1997 05 September/October	R. Santorelli	Accelerated oxidation stability test: an example of application in anti-oxidant additive selection	N/A
1997 05 September/October	H. Kröner; E. Kleinlein	Rolling bearing greases tested relevant to practical conditions	Bearing, Biodegradable, Environment, Grease, High Temperature, Hydrodynamic, Safety, Shock Load, Testing
1997 05 September/October	J. Cliff	A Question of balance	Ester, Grease, Mineral Oil, Roll Stability, Testing
1997 05 September/October	J. Tóth; C. Dudás	Possibilities of development of aluminium compounds used as thickeners for lubricating greases	N/A
1997 04 July/August	S. Leifheit; J. Maretzke	Grease lubrication in vehicles	Automotive, Bearing, Fluid, Grease, Industrial, Safety, Testing
1997 04 July/August	H. Glüsing; E. Kuhn	Systematic effects on the precision of penetration readings: a contribution to the rheology of lubricating greases	N/A
1997 04 July/August	M. Pfeiffer	Improvement of the delivery times at Axel Christiernsson... by matching the batches & series	Grease
1997 03 May/June	M. Fuchs	The European lubricating grease market	Automotive, Biodegradable, Environment, Grease, Industrial, Safety
1997 03 May/June	G. Fish	Constant velocity joint (CVJ) greases	Automotive, Bearing, Environment, Extreme Pressure, Fluid, Grease, Health, High Temperature, Industrial, Low Temperature, Mineral Oil, Roll Stability, Safety, Shear Stability, Testing
1997 02 March/April	P. Srinivasan	New generation high performance greases	Automotive, Bearing, Ester, Grease, Low Temperature, PFPE, Synthetic Oil
1997 02 March/April	H.J. Dittebrandt	Castor oil derivatives	Grease, Industrial

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Date Publication	Author(s)	Title	Key Words
1997 01 January/February	R. Santorelli	An accelerated test method for oxidation stability to predict the behaviour of lubricating greases under severe dynamic conditions	Bearing, Grease, High Temperature, Industrial
1997 01 January/February	K.J. Hole; C.R. Scharf; H.F. George	The enhancement of grease structure through the use of functionalised polymer systems	Bearing, Elastohydrodynamic, Fluid, Grease, High Temperature, Industrial, Mechanical Stability
1996 06 November/December	P. Vergne	Formulation of lubricating suspensions from rheological criteria	Bearing, Boundary Lubrication, Environment, Fluid, Grease, Low Temperature, PFPE, Rheology
1996 06 November/December	Y.L. Ischuk; A.D. Stakhursky	Expanded graphite as a dispersed phase for greases	Ester, Fluid, Grease, Shear Stability
1996 05 September/August	R. Stuart	Condition monitoring of offshore crane slewing bearing assemblies	Bearing, Environment, Fluid, Grease, Health, High Temperature, Safety, Testing
1996 05 September/August	T. Dell'Oro	Strategic manufacturing management	Automotive, Biodegradable, Environment, Grease, Safety, Testing
1996 04 July/August	E. Kuhn; H. Mörtz	Investigation into the rheological behaviour of tribologically stressed greases	Grease, High Temperature, Rheology, Testing
1996 04 July/August	O. Rohr	Bismuth: a new metallic but non-toxic replacement for lead in extreme pressure greases and industrial EP liquid lubricants and sulphur: an ashless and non-metallic key element in general lubrication	Bearing, Boundary Lubrication, Ester, Extreme Pressure, Grease, High Temperature, Industrial, Mechanical Stability, Solid Lubricant
1996 04 July/August	G. Ponti; M. Valenetti	The grease market in Italy	Automotive, Bearing, Biodegradable, Grease, Health, Industrial, Mineral Oil, Safety
1996 03 May/June	W.J. Bartz	Lubricants and the environment	Automotive, Biodegradable, CLP, Environment, Ester, Extreme Pressure, Fluid, Glycol, Grease, Health, Industrial, Mineral Oil, Polyglycol, Safety, Testing
1996 03 May/June	P.M. Cann	Cost 516 Tribology	N/A
1996 02 March/April	Y. Lefauchaux	Environmental management and lubricants	Biodegradable, Environment, Grease, Safety
1996 02 March/April	L. Hamnelid	1994 Survey of test methods in practical use	N/A
1996 01 January/February	R. Becker; A. Knorr	Comparative study of the oxidation of vegetable oils and the effectiveness of antioxidants	Biodegradable, Environment, Grease, Mineral Oil, Testing, Vegetable Oil

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Date Publication	Author(s)	Title	Key Words
1996 01 January/February	E. M. Stempfel; H. Hostettler; H.R. Gasser	Practical experience with highly biodegradable lubricants, especially hydraulic oils and lubricating greases	Automotive, Bearing, Biodegradable, Environment, Ester, Extreme Pressure, Fluid, Glycol, High Temperature, Low Temperature, Mechanical Stability, Mineral Oil, Safety, Testing, Vegetable Oil
1995 06 November/December	G.A. Bell	The effect of PTFE particle characteristics on grease formulation & performance	Bearing, Elastohydrodynamic, Fluid, Grease, Hydrodynamic, Low Temperature, Safety, Testing
1995 06 November/December	G.T.Y. Wan	Monitoring rolling bearing operating condition	Bearing, Elastohydrodynamic, Grease, High Temperature, Hydrodynamic, Testing
1995 05 September/August	C. Gallegos; J.M. Franco Gómez	Rheology of lubricating greases	Fluid, Grease, Industrial, Mineral Oil, Rheology, Testing
1995 05 September/August	S. Harold; P. Todd	Design of greases and other lubricants using ecologically responsive technology	Automotive, Aviation, Biodegradable, CLP, Environment, Ester, Extreme Pressure, Fluid, Food Grade, Grease, Industrial, Low Temperature, Mineral Oil, Testing, Vegetable Oil
1995 04 July/August	M. Kingston	Filter cleaning	Environment, Fluid, Grease, Health, High Temperature, Industrial, Safety, Testing
1995 04 July/August	R. Weyandt	Principles of ecotoxicology and problems with testing substances which have low water solubility	Biodegradable, Environment, Fluid, Grease, Health, Industrial, Mineral Oil, Safety, Testing
1995 03 May/June	L. Muntada	The lubricant market in Spain	Biodegradable, Fluid, Glycol, Grease, Industrial, Mineral Oil
1995 03 May/June	E. Kuhn	Some aspects of an estimation of the behaviour of tribological stressed greases	Grease, Rheology
1995 03 May/June	T. Dell'Oro	North American lubricants cost management: present, past, future	Environment, Grease, Testing
1995 02 March/April	E. Kleinlein	Operating of ball and roller bearing at low temperatures	Bearing, Grease, Low Temperature, Mineral Oil, Testing
1995 02 March/April	D. Smit	EC legislation directives on health, safety and the environment	CLP, Environment, Grease, Health, Industrial, Safety, Testing
1995 01 January/February	P.M. Cann	The influence of temperature on the lubricating behaviour of a lithium hydroxystearate grease	Bearing, Fluid, Grease, High Temperature, Hydrodynamic, Low Temperature, Testing
1994 July	Ferenc	Supply & demand of lubricants in Hungary	Biodegradable, Environment, Ester, Grease, Health, Industrial, Testing
1994 July	Ischuk; Nemirovska; Borisenko; Stakhursky	Role of the dispersion medium in structuration of diurea grease	Fluid, Grease, Low Temperature, Mineral Oil
1994 January	Pane	Sulphonates as rust & corrosion inhibitors in grease	Bearing, Environment, Extreme Pressure, Fluid, Grease, Testing
1994 April	Astrom; Hoglund	Viewpoints on noise in grease lubricating bearings	Bearing, Elastohydrodynamic, Environment, Grease, Hydrodynamic, Rheology



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1994 April	Basset	Gear greases & their applications	Bearing, Fluid, Grease, Mineral Oil
1993 October	Williams; Siptak	The use of organoclays in clay-based grease	Environment, Extreme Pressure, Fluid, Food Grade, Grease, Health, Industrial, Low Temperature, Mineral Oil, Safety
1993 October	Schmidt; Huls	Modified natural base oils	Biodegradable, Ester, Fluid, Grease, Mineral Oil, Vegetable Oil
1993 July	Nemack	Biodegradable lubricants used in lubricating greases	Bearing, Biodegradable, Environment, Ester, Fluid, Glycol, Grease, Low Temperature, Mineral Oil, Polyglycol, Safety, Testing, Vegetable Oil
1993 July	Alberto; Belin	The running in of big gears - a lubrication affair	N/A
1993 July	Barbosa	Lubricating grease production in Portugal	N/A
1993 January	Korff; Röhrs	Heavy metal-free additives for lubricating grease	Bearing, Biodegradable, Ester, Extreme Pressure, Fluid, Grease, Industrial, Metal Soap Thickener, Mineral Oil, Shear Stability, Solid Lubricant
1993 January	Dalmas; Chaomleffel	Grease film thickness & traction in elastohydrodynamic point contacts	Bearing, Elastohydrodynamic, Ester, Fluid, Grease, Hydrodynamic, Rheology
1993 April	Montagna	New soluble additives for perfluorinated greases	Bearing, Environment, Ester, Fluid, Grease, High Temperature, PFPE, Safety
1992 October	Charlton	The effective in-service lubrication of wire ropes	Bearing, Boundary Lubrication, Environment, Extreme Pressure, Fluid, Grease, Hydrodynamic, Mineral Oil, Safety, Vegetable Oil
1992 October	Kendall; Williamson	The influence of grease composition on film thickness in EHD contacts	Automotive, Bearing, Elastohydrodynamic, Ester, Grease, Hydrodynamic, Mechanical Stability, Rheology
1992 July	Beghini	Cleanliness & its importance to bearing performance	Bearing, Environment, Ester, Grease, Safety, Synthetic Oils
1992 July	Jacobs; Stringfellow	Graphite & lead based thread compounds compared	Ester, Grease, High Temperature, Testing
1992 January	Stempfel; Schmid	Biodegradable lubricating greases	Bearing, Biodegradable, Environment, Ester, Fluid, Glycol, Grease, Inorganic Thickener, Low Temperature, Mineral Oil, Organic Thickener, Testing, Vegetable Oil
1992 January	Holinski	Solid lubricants as additives in greases	Bearing, Ester, Food Grade, Grease, High Temperature, Hydrodynamic, Industrial, Mineral Oil, Shock Load, Solid Lubricant
1992 January	Kruschwitz	Aluminium complex greases	Bearing, Environment, Ester, Extreme Pressure, Fluid, Grease, High Temperature, Industrial, Low Temperature
1992 April	Stang; Jansson	Characterisation of base oils used in grease manufacturing	Environment, Ester, Fluid, Grease, Health, High Temperature, Low Temperature, Mineral Oil, Safety, Synthetic Oils
1991 October	Lefevre	Classification & labelling of dangerous chemicals in the European community	Environment, CLP, GHS, Industrial, Safety, Testing

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1991 October	Van Knijff	Grease packages & the environment	Environment, Grease, Industrial, Safety
1991 October	Sottomayor; Campos; Seabra; Ferreira	Friction force in an EHD contact	Bearing, Elastohydrodynamic, Fluid, Grease, Hydrodynamic
1991 August	Kleinlein	FAG-FE9 test system, test rig general machining principle & application of the results to practice	Bearing, Ester, Grease, High Temperature, Safety, Testing
1991 August	Hoglund; Isaksson; Wikstrom	The influence of the rheology & lubricity of greases on energy loses in machines	Bearing, Grease, Rheology
1991 August	Ischuk; Kobylanski	Integrated test methods to determine shear strength, water induced & thermal setting of grease	Environment, Grease, High Temperature, Rheology, Shear Stability
1991 August	Cann; Aderin; Spikes	Optical & infrared studies of EHD behaviour of greases	Bearing, Elastohydrodynamic, Hydrodynamic, Testing
1991 April	Leluan	Lubrication of the TGV railway axel box	Bearing, Extreme Pressure, Grease, Mechanical Stability, Testing