

Introducing the Bearing Show 2024

Uniting innovation with end-user needs

Aaron Fagan, Senior Editor

Mark your calendars for March 19–21, 2024, as the Bearing Show—colocated with Lubricant Expo—descends upon Huntington Place in Detroit. As North America’s premier exhibition and conference dedicated to bearings, this free-to-attend event promises to be a groundbreaking convergence of industry leaders, technological advancements, and invaluable networking.



Designed to bridge the evolving demands of bearings end-users with cutting-edge technologies, the Bearing Show serves as a vital nexus for OEM development, maintenance professionals, and R&D engineers alike. From machine manufacturers to industrial plants, global distributors, and beyond, attendees will find themselves immersed in a community offering innovation and connection.

At the heart of the Bearing Show lies a commitment to aligning end-user needs with the latest advancements throughout the supply chain. Featuring exhibitors representing the entire ecosystem, from finished bearings to condition monitoring, tools & equipment, components, materials, testing, and machinery, participants will explore the full spectrum of bearing production and application.

Whether you’re a component supplier, equipment manufacturer, or a comprehensive bearing solution provider, the Bearing Show offers an opportunity to expand your business. Through connections and meetings across the breadth of the bearing ecosystem and customer base, attendees will unlock new avenues for growth and collaboration.



March 19

9:30–10:45 am

Leadership Panel: Future Proofing the Lubricants Sector

11:15 am–12:30 pm

Enabling Technologies for Reducing Scope 1 Emissions in Heavy Duty and Off-Road Applications

11:15 am–12:30 pm

Bearing Systems and Designs

2:00–3:15 pm

Evaluating Resource Availability Within the Lubricant Supply Chain

2:00–3:15 pm

Managing Oil Degradation and Bearing Wear Through Lubrication Best Practices

3:30–4:30 pm

The Carbon Puzzle: Getting a Grip on Data, Processes, and Measurements to Achieve Scope 2-3 Carbon Reductions

March 20

9:30–10:45 am

Developing the Supply Chain for Re-Refined Base Oils

9:30–10:45 am

Ensuring Uptime and Reliability by Implementing a Quality Lubrication Program

11:15 am–12:30 pm

Driving Demand for Re-Refined Base Oils: Balancing Performance, Economic, and Environmental Trade-Offs

11:15 am–12:30 pm

Showcasing Advances in Preventive Maintenance & Condition Monitoring

2:00–3:15

Investigating Performance Capabilities and Compatibility of Biobased Technologies



THE BEARING SHOW

NORTH AMERICA

2:00–3:15 pm

Food fight! Overcoming The Challenges of Food-Grade Lubrication Environments

3:30–3:55 pm

Evaluation of Environmentally Acceptable Lubricants for Army Corps of Engineer Operated Dams and Navigation Structures

3:30–4:30 pm

Examining Performance Requirements of Next-Generation Metal Working Fluids

4:00–4:30 pm

Unravelling Renewable Feedstocks, Biodegradability, and Environmental Compatibility of Lubricants, Greases, and Fluids

March 21

9:25–10:40 am

Examining Hardware Design Trends Within EVs and Implications for Lubricant Requirements

9:30–9:55 am

Understanding Lubrication Requirements of Advanced Robotics

10:00–10:25 am

Microporous Polymeric Lubricants: The Environmentally Friendly Way to Lubricate Bearings and Chains

10:30–10:55 am

Energy Efficiency of HVI HF Hydraulic Oil

11:15 am–12:30 pm

Improving Range and Energy Efficiency of EVs Through Advances in Lubricant Technology

11:30–11:55 am

Ghost Particles—Particle Counting Methods and their Impact on ISO Cleanliness Codes

12:00–12:25 pm

Alkylated Naphthalene—Synergetic Booster for High-Performance Formulations

12:30–12:55 pm

Unlocking Profit Through Strategic Lubrication Management: A Deep Dive into Calculating Value; Total Profit Added

2:00–3:00 pm

Testing Advancements and Developments for EV Lubricant Evaluations

Technologies on Display Include

- Ball Bearings
- Lubrication
- Roller Bearings
- Bearing Components
- Maintenance
- Seals
- Caging
- Measurement Devices
- Sensors
- Condition Monitoring
- Mounted Bearings
- Simulation & Design
- Digitalization
- National and Global Distribution
- Slewing Bearings
- Engineering Services
- Plain Bearings
- Testing & Analysis Equipment
- Linear Motion
- Rings
- Tooling

Gain Insights from Leading Figures in Bearing Technology

The Bearing Show offers a unique platform for customers, industry leaders, pioneers, and peers to exchange innovative ideas and engage in lively debates about supporting end-users of bearing technology.

The conference will address the pertinent challenges, opportunities, and innovations facing users and manufacturers of bearings across key applications and markets.

With an agenda brimming with panel discussions, keynote talks, on-stage interviews, and extended Q&A sessions, attendees can expect to delve into both strategic and technical sessions focused on the advances occurring in the lubricant industry, including considerations of sustainability and cost.

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