

the LubeRoom

News to Keep You in Good Working Condition



March 2023

Welcome! In this Q1 issue we recognize some of the smartest people we know:
our newest certified practitioners!

We also highlight member content and activities...

...and the latest update on ICML 55.2 "Guideline" Standard...

...and the triumphant return of Gill and Battle awards...

...and we invite you to several upcoming conferences we are sponsoring.

Finally, many thanks to all our organizational and individual [members](#) who support ICML's mission. We are grateful for your ongoing participation.

Lube on!

-- Paul Hiller, Marketing Manager
International Council for Machinery Lubrication

Recognizing Our Newest Certificants



ICML proudly shares the names and credentials of nearly 450 lubrication and oil analysis practitioners who passed ICML certification exams during the last three months. These dedicated practitioners have earned over 460 credentials between them...

[See List and World Map](#)

ICML 55.2 "Guideline" Standard Coming in July

In December we reported that much of the ICML 55® Standard, Part 2, was undergoing editorial review prior to peer review. As you probably know, Part 2 is the "Guideline" standard that follows ICML 55.1 Standard (2019), "Requirements for the Optimized Lubrication of Mechanical Physical Assets." We recently sent another exciting update to members of our "ICML 55.2 Email Notification List" to tell them about...



[Read More](#)

Guest Post: Sensors v. Laboratory Testing



From the world of fluid condition monitoring, guest author Randy Clark with POLARIS Laboratories® addresses the common question: "If I install sensors does that make the need for laboratory testing obsolete?"...

[Read More](#)

Infographic: Air & Water Contamination

Lubricant contamination can be caused by the smallest number of particles such as air and water. In this infographic presented by ICML Member POLARIS Laboratories®, see the differences between air and water contamination, how oil testing and analysis can identify them, and what to do if you suspect contamination in your system.

AIR & WATER CONTAMINATION

See the effects of unseen air and water particles in lubricants and how to identify contamination through oil testing and analysis.

DOWNLOAD THE INFOGRAPHIC



POLARIS
Laboratories

WHAT'S CAUSING EQUIPMENT DAMAGE?

Often times, contamination can be caused by even the smallest number of environmental particles such as air and water that can't be seen. When contamination circulates through your system, the life span and health of components is reduced significantly.

AIR CONTAMINATION

An air contamination issue can lead to degradation of the oil to look sticky, sludge or an oil changed within the oil. It can often be difficult to quantify, even with oil analysis.

Foams
Foam occurs when large air bubbles sit on top of the oil. It can be recognized, for example, when oil splashes into the reservoir. However, it also may be an indication that the oil oxidizing agents is depleted requiring the oil to be replaced. By monitoring particle count and IGT oil cleanliness index.

Emulsions
Trapped air can often be mistaken for water contamination. It circulates as it disperses in a large amount of oil, which makes the oil appear cloudy.

WATER CONTAMINATION

Water is contaminated with water through leaks in the air or oils splashing, leaks or even during equipment cleaning.

Emulsified
Very small, microscopic (invisible) droplets of water are dispersed into liquid bearing lubricants. These emulsions, which are less or more, are difficult to detect because they are so small. They can be detected through oil analysis.

Free Water
Free water larger than 100 microns will immediately separate from the oil and will be easily visible by looking.

HOW CAN I TELL THE DIFFERENCE BETWEEN AIR AND WATER CONTAMINATION?

Take a small oil sample in a clear container and allow it to sit undisturbed for 24 hours.

Air stays on top of the oil

Water falls to the bottom

What fluid analysis tests can help determine if I have air or water contamination?

Particulate in a fluid analysis program can help you identify any type of contamination and your system. The recommended tests for identifying air and water are the following and done by fluid analysis.

What can I do if I think I have air or water contamination in my oil?

FILTRATION - One of the ways prevent the flow, return the flow, to help trap all the dirt and/or solid matter can with a filtration system. Filtering the oil will prevent dirt from the road by preventing some and reducing equipment breakdown.

DESICCANT BREATHERS - Installing breathers in one of the reservoirs and most cost effective way to fight contamination in your oil. Desiccant breathers make sure the air flowing in and out won't cause contamination.

ICML (ICML) Laboratories LLC POLARIS Laboratories 874.339.2233 | www.polaris.com

Please note: This content is the sole responsibility of the member organization that submitted it. Vendor-neutral ICML is not responsible for the claims made by its members or independent training partners.

The Excellence Awards Are Back! Winners to be recognized in July



[Read More & Apply for 2023](#)

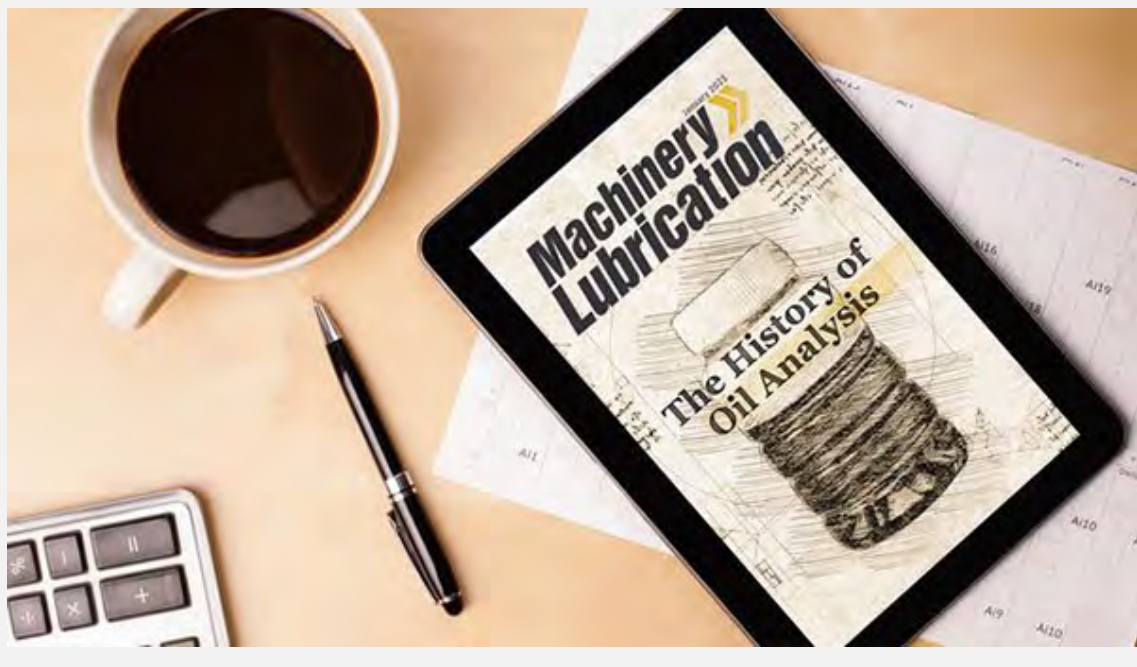
Covid lockdowns were only temporary, and now our judges' panel will soon review the latest class of applications for our prestigious industrial awards: the Augustus H. Gill Award for Oil Analysis Excellence and the John R. Battle Award for Machinery Lubrication Excellence. We will announce the 2022 winners in July during the opening ceremony of the 2023 Reliable Plant Conference in Orlando. Meanwhile, will 2023 be the year you submit a winning entry for **your** plant's successful program? As the saying goes, "You can't win if you don't compete."

Paid Member Advertisement

Machinery Lubrication Magazine is Digital

This year, ICML Member Noria transitioned the print version of its *Machinery Lubrication* magazine into a monthly, digital publication. It will contain all the informative and innovative content you are used to reading, but now more interactive and accessible.

Get your [free subscription](#) now!



Please note: This content is the sole responsibility of the member organization that submitted it. Vendor-neutral ICML is not responsible for the claims made by its members or independent training partners.

ICML invites you to these upcoming conferences
(Be sure to see the discounts)



Register Today

Reliability Ireland
NEXT WEEK: March 21-22, 2023
County Kildare

We are headed back to the Emerald Isle, where we will conduct a co-presentation with KEW Engineering's Martin Williamson about the career and organizational benefits of Machinery Lubrication Engineer (MLE)[®] training and certification. Also proctoring an exam session on site for those who are ready for any of our certifications.



5% ICML Discount

OilDoc
May 9-11, 2023
Rosenheim, Germany

We are also returning to Bavaria, where we will lead a presentation about the power of ICML 55[®] Standard (Part 1 "Requirements" and Part 2 "Guideline") to build successful lubricated asset management programs. Our members and ICML-certified practitioners can **register with 5% OFF** using code ODCEICML2023.



Read More & Register

PRECONLUB
June 15-16, 2023
León, Guanajuato, MX

PRECONLUB (Congreso Internacional de Mantenimiento Predictivo, Confiabilidad y Lubricación) aims to provide a forum for the Spanish-speaking industrial community to learn the latest advances and new technologies in areas of Maintenance 4.0, reliability, asset management, predictive maintenance, and real-time condition monitoring. ICML is a media sponsor.



10% Discount

**Reliable Plant
July 25-28, 2023
Orlando, FL, USA**

Reliable Plant offers a wide array of knowledge along with focused tracks of high-quality material to help you get results back at the plant. Once again ICML is an endorsing sponsor and exhibitor. This is where we will announce the latest winners of Gill and Battle excellence awards, and we will lead a presentation to roll out the new ICML 55.2 "Guideline" Standard for lubricated asset management. Be sure to **take advantage of 10% DISCOUNT** with registration code ICML10.



"The International Council for Machinery Lubrication (ICML) is a vendor-neutral, not-for-profit organization founded to serve global industry as the world-class authority on machinery lubrication that advances the optimization of asset reliability, utilization, and costs. Among its various activities, ICML offers skills-based certification testing for individuals in the fields of machine condition monitoring, lubrication and oil analysis."

ICML - International Council for Machinery Lubrication

2404 W Detroit Street, Broken Arrow, OK 74012

www.lubecouncil.org

March 2023