



Serving
the grease
industry
since 1933

National Lubricating Grease Institute

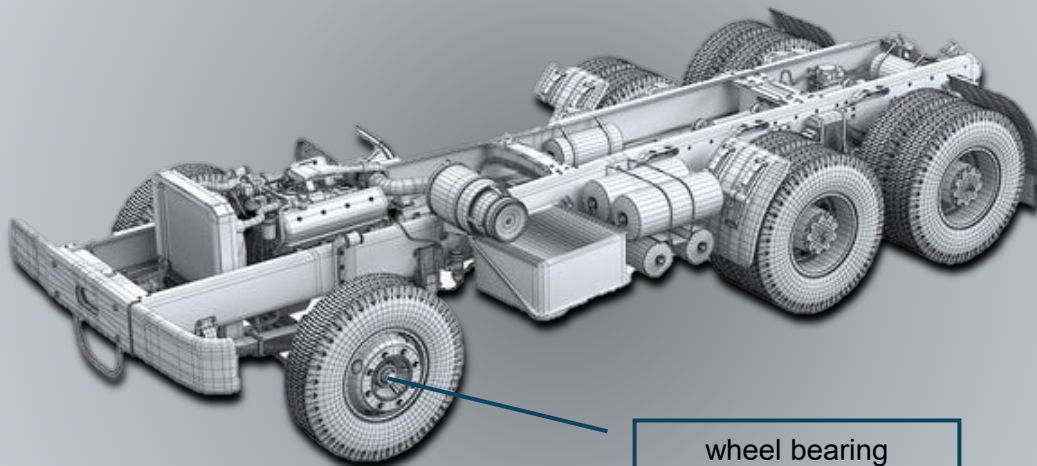


A Vision of the Future for Latin America

Gear, Wheel bearing and Chassis (ASTM D450)

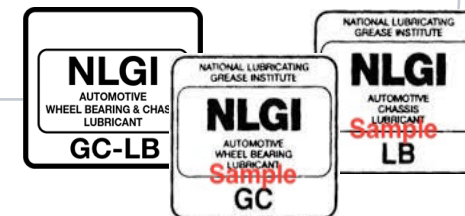


Traditional NLGI specification for automotive greases, focusing on wheel bearings (GA, GB and GC) and chassis (LA and LB).

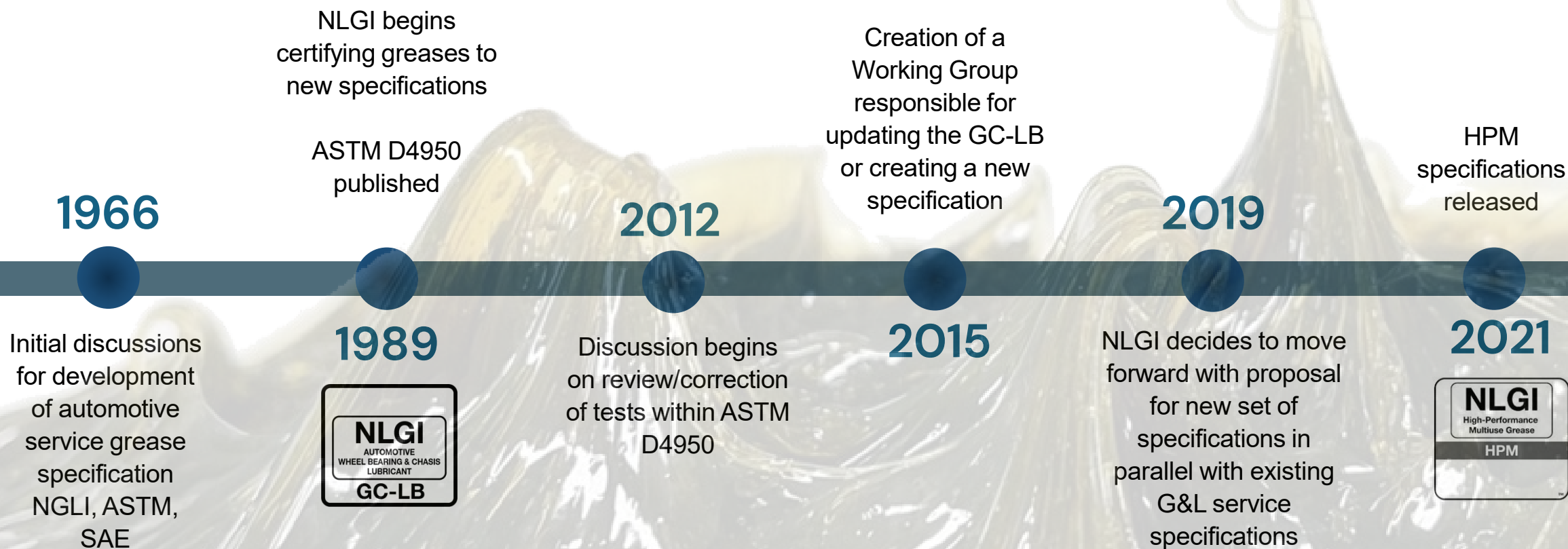


wheel bearing

GC-LB is the most stringent combined grade indicating that the grease meets the performance requirements **for both applications**. It is widely used in light and heavy-duty vehicles, as well as agricultural and construction equipment.



Timeline – NLGI Specifications



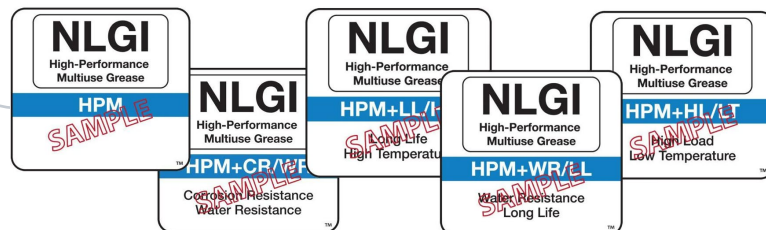
HPM (High-Performance Multiuse)



Introduced **to replace** or **complement** GC-LB, with a focus on more demanding industrial and fleet applications. HPM is a modern, more stringent specification with additional testing and **more restrictive limits**.

HPM has a **higher** base (core) specification than GC-LB.

And additional performance labels, which indicate specific capabilities.



Specification

Focus on

HPM+CR/WR

Corrosion Resistance / Water Resistance

HPM+LL/HT

Long Life / High Temperature

HPM+HL/LT

High Load / Low Temperature

HPM+WR/LL

Water Resistance / Long Life

Comparative Analysis - GC-LB x HPM

Test

GC-LB

HPM Core

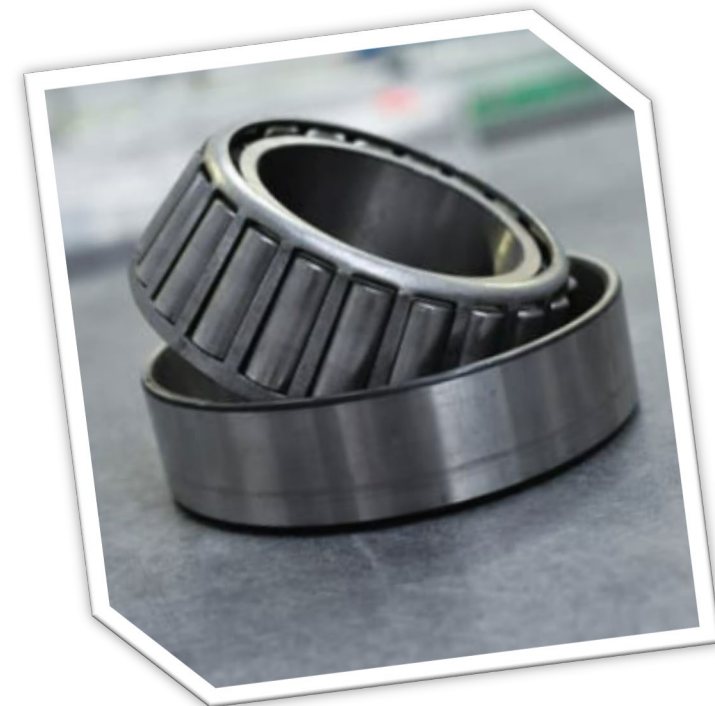
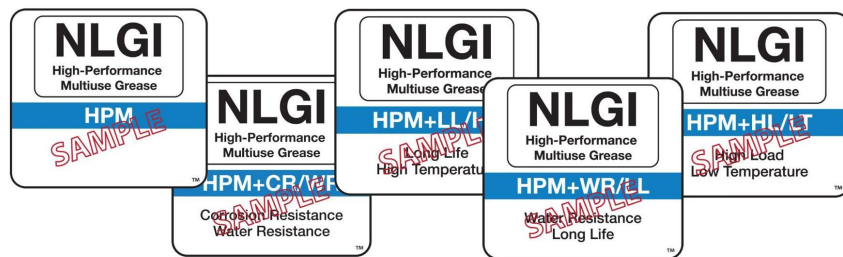
Worked Penetration (60 strokes)	(D217) 220 - 340 dmm	(D127) 220 - 340 dmm
4-Ball Wear	(D2266) < 0,6 mm	(D2266) < 0,6 mm
Oil Separation	(D1742 – 24h/25°C) < 6%	(D1742 – 24h/25°C) < 5%
Low Temperature Torque	not included	(D1478) 100 - 1000 m.Nm
EMCOR Corrosion (Distilled Water)	not included	(D6138) no rust / light traces
Water Washout	(D1264 – 60m/79°C) 15%	(D1264 – 60m/79°C) 10 - 5%
Roll Stability	not included	(D1831) +/- 10%

Main Differences: **More tests** on the HPM (low temperature torque, rust resistance, rolling stability);

More demanding limits for existing tests (4-ball wear, oil separation, water wash);

Wider application: in addition to the automotive sector, it covers industrial uses and harsh environments.

NLGI Certification Approvals



More than 270 products with different certifications!



Over 25 HPM certified products!



Check which products are certified
Certifications – Product | NLGI

Lubricating Grease Guide

Ideal for both beginners and experienced professionals

The **seventh edition** includes **four new chapters** on Formulation, Food Machine Lubricants, NLGI Certifications and Environmentally Acceptable Greases.

The Spanish Version is now available on NLGI's website!



Full Version

[NLGI Store](#) [Amazon](#)

Individual Chapters

[NLGI Store](#)



Provide the relevant resources to meet the needs of global lubricating grease manufacturers and consumer industries.



To be recognized as the leading source of support for consumers, researchers, manufacturers, suppliers, marketers and other key stakeholders in the global lubricating grease industry.

NLGI

Mission and Vision

Purpose and Type of Association



The NLGI is a non-profit trade association comprised primarily of companies that manufacture and market all types of lubricating greases.



The Institute is continually working to strengthen its partnership by providing services to lubricating grease manufacturers as well as the end user of these greases.



Membership is offered on a company-by-company basis, not an individual basis. Many of the members are companies associated with manufacturers who supply equipment, raw materials and services.

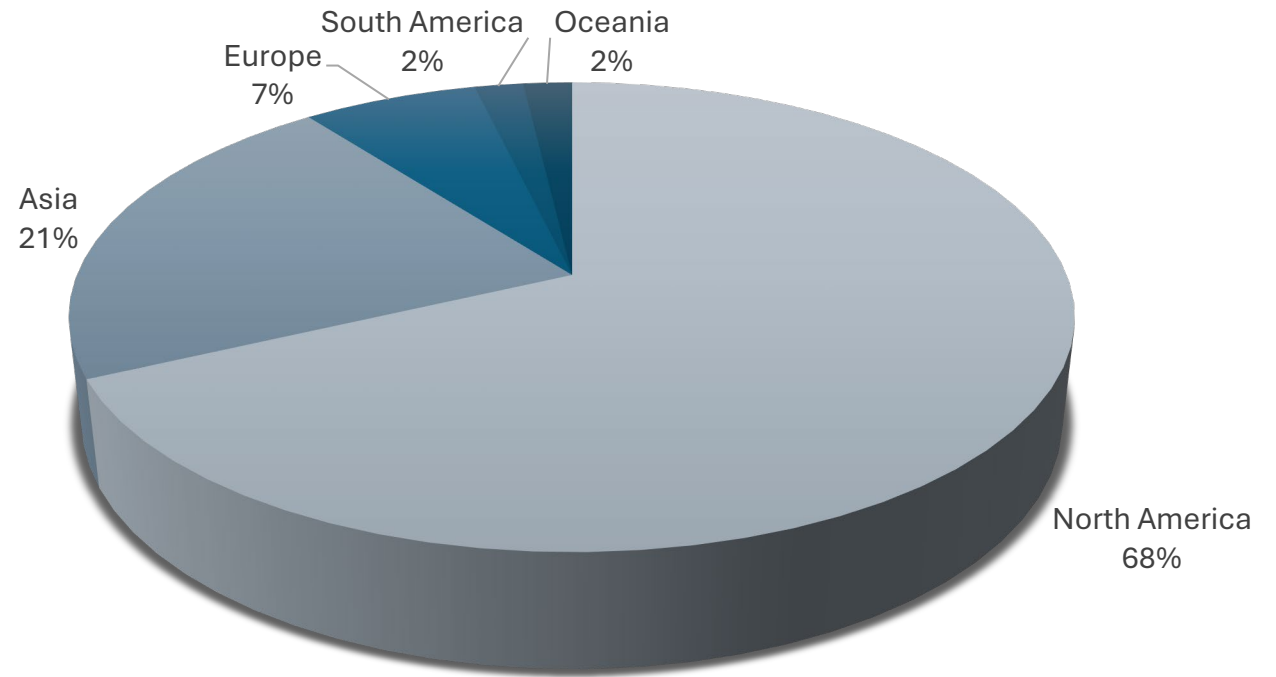


In addition, there are research and training groups for affiliated companies whose interests are primarily technical.



Another membership category is Consumer, which is offered to organizations that use lubricating greases.

NLGI: A Global Organization



■ North America ■ Asia ■ Europe ■ South America ■ Oceania



The Institute's member organizations are located in over 30 countries on 5 different continents.



Our technical magazine, the NLGI Spokesman, has 3,000 readers represented in more than 30 countries.



This international representation is indicative of the universal interest in knowing more about lubricating greases.

NLGI International Subcommittee

Established in 2023, it brings together the following members:

Wayne Mackwood

Head of Detergents and Grease Business/ Lubricant Additives
LANXESS Canada Co./Cie
President of NLGI

Cecilia Mancero

Vice President / International Sales
STRATCO, Inc. & Stratford Engineering, LLC

Alex Saldana

LATM Channel Manager
Dupont

Xavier Carrillo

Director of Sales & Business
LATAM at TRCC

Daiane Spadari

R&D Manager
ICONIC

Olga Mendez

CEO
Proquimsa

Anoop Kumar

Senior Staff Scientist
Chevron Products Company

Raj Shah

Director
Koehler instrument Company



The International Subcommittee focuses on providing specific benefits and services to international members. Since its inception, the subcommittee has focused primarily on communicating and presenting specific benefits and services for the Latin American region, with plans to expand to other regions in 2025 and beyond.



One of the subcommittee's goals is to help create general and technical literature in other languages to promote and discuss growth initiatives at a global level.



NLGI commissioned annual
confidential grease
production survey



Through the **voluntary** submission of
annual data on grease production



All production data is kept
confidential, consolidated and
anonymous

What is the NLGI Grease Production Survey?



Benefits of Participation

Access potential market trends (growth vs. declines)



Analysis of possible changes in the market for thickener types by region



Potential new market opportunities



Business Performance Assessment vs. Reporting



Access to a copy of the Final Tabular Report



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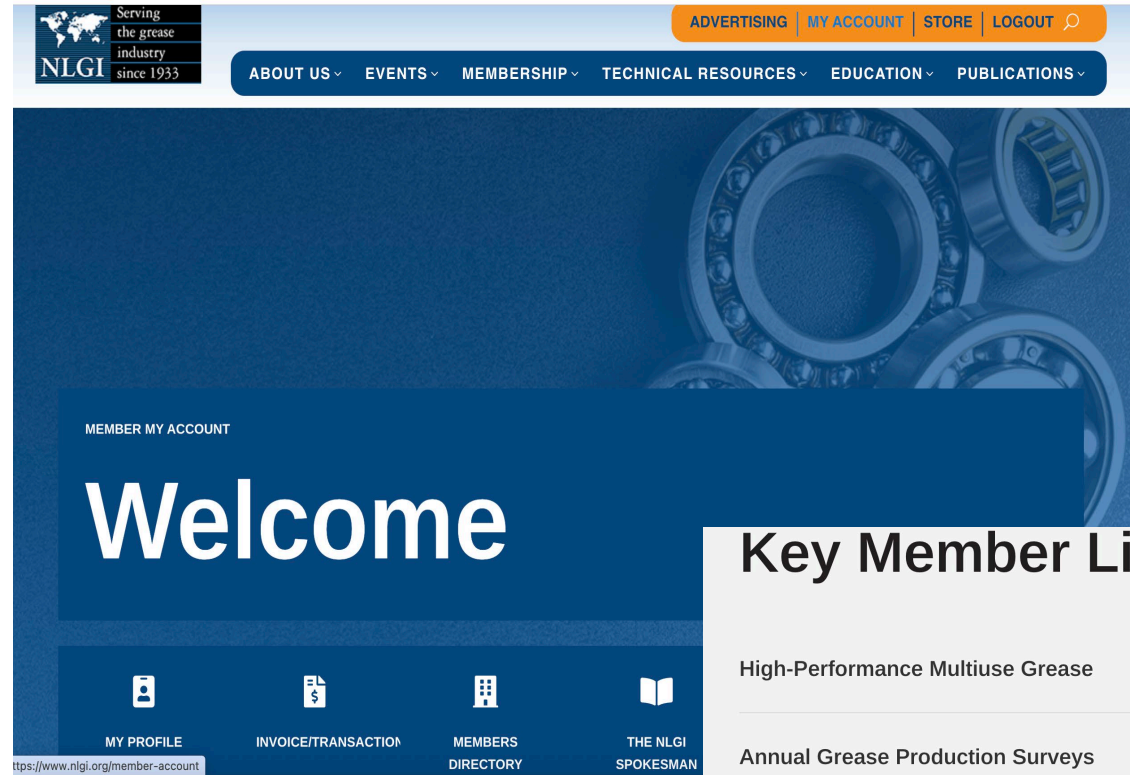
No. of companies (Mexico) participating in the North American total

7

No. of participating companies in total in Latin America, 4 of which are oil companies and 3 are medium-sized

NLGI Grease Production Survey

NLGI Grease Production Survey



Free Member Benefit



\$2100 USD for Non-Members

Surveys dating back to 2010 can be found in the members section of the website in **PDF** and **Excel** versions.



Key Member Links

High-Performance Multiuse Grease



Annual Grease Production Surveys



- 2024 Documents
 - 2024 NLGI Grease Production Survey Excel
 - 2024 NLGI Grease Production Survey PDF
- 2023 Documents
 - 2023 NLGI Grease Production Survey Excel
 - 2023 NLGI Grease Production Survey PDF
- 2022 Documents
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 - 2022 NLGI Grease Production Survey PDF
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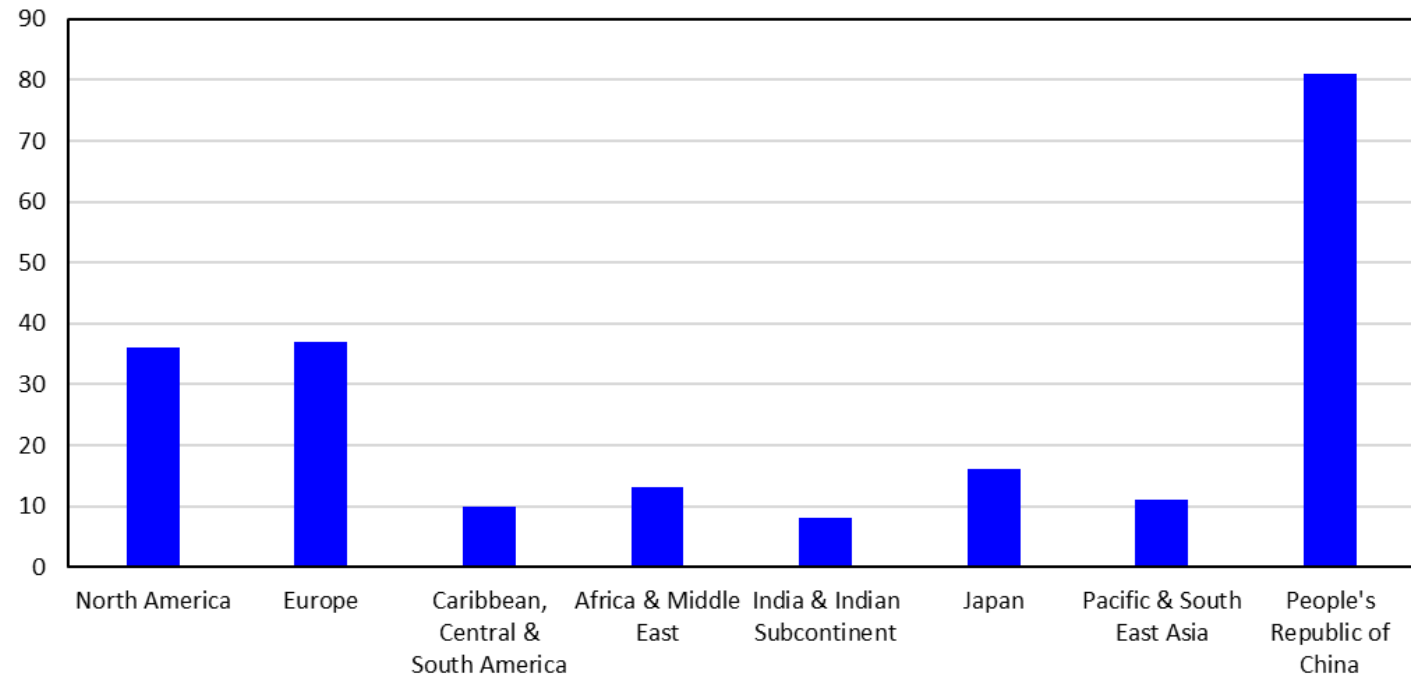
NLGI Grease World Highlight

Dive into the new HPM grease specification and its significance in the lubrication industry. Our guest, Gary Dudley, a veteran with over 27 years at ExxonMobil and now an independent consultant, shares insights about the evolution of grease specifications, the detailed criteria of HPM (High Performance Multi-use) grease, and the wide range of applications it covers. Learn about the development process of the specification, the auditing and certification involved, and what it means for end users and manufacturers. Additionally, we discuss the potential future enhancements in the field of lubrication specifications and the importance of creating a standard for energy-efficient greases. Tune in to close the knowledge gap on HPM grease and understand how it impacts the industry.

NLGI Grease Production Survey



2024 Participation by Region- 212 Companies



North America: 17 %

Europe – 7.5%

Caribbean, South and Central America– 4.7%

Africa and the Middle East – 6.1%



India & Indian Subcontinent – 3.8%

Japan – 7.5 %

Pacific e Southeast Asia: 5.2%

PCR – 38.2%

NLGI Grease Production Survey



Tabular Report – A Detailed Analysis of Grease Production

Geographic
Region

Type of
Thickener

Type of
Base Oil

Estimated
Production

Producers
by Region

Annual
Analysis

NLGI 2024 Calendar Year Annual Production Survey									
Production Year	2024								
Company Name:									
Submitter Name									
Phone Number:									
eMail Address									
Mailing Address:									
Company ID									
Put your data in the green cells									
Report All Production Data in Kilograms (Kg)									
	North America	Europe	Caribbean, Central & South America	Africa & Middle East	India & Indian Subcontinent	Japan	Pacific & Southeast Asia	Peoples Republic of China	
Number of Plants									
Grease Production By Type Of Thickener									
Aluminum Thickener:									
Conventional (Dropping Point below 350F or 180 C)									
Complex (Dropping Point above 350F or 180 C)									
Total Aluminum Thickener	0	0	0	0	0	0	0	0	0
Calcium Thickener:									
Hydrated (Dropping Point below 250F or 120 C)									
Anhydrous (Dropping Point above 250F or 120 C)									
Calcium Sulfonate Thickener									
Complex (Dropping Point above 350F or 180 C)									
Total Calcium Thickener	0	0	0	0	0	0	0	0	0
Lithium Thickener									
Conventional (Dropping Point below 400F or 210 C)									
Complex (Dropping Point above 400F or 210 C)									
Total Lithium Thickener	0	0	0	0	0	0	0	0	0
Lithium Calcium Thickener:									
Sodium Thickener:									
Other Metallic Thickener:									
Polyurea (Including Complexes)									
Organophilic Clay Thickener:									
Other Non-Soap Thickeners (All non-soap thickeners except clay)									
Grand Total Of Lubricating Greases:	0	0	0	0	0	0	0	0	0
Reporting by base fluid type:									
Sub-total utilizing conventional base fluid									
Sub-total utilizing synthetic base fluid									
Sub-total utilizing semi-synthetic base fluid									
Sub-total utilizing bio-based base fluid									
Grand Total Of Base Fluids:	0	0	0	0	0	0	0	0	0

Benefits and Opportunities for NLGI Members



Accessible Resources

- HPM Testing Webinar Library
- Access to research, including full reports
- “NLGI Spokesman”: our members-only technical magazine
- NLGI 'Grease World' E-newsletter
- Educational and Technical Resources
- CLGS Certification (Lubricating Grease Specialist Certification)



Member Discounts

- Annual Global Lubricating Grease Production Survey (free)
- Annual Meeting Registration (40% discount)
- Discounts on certification logos
- Free Technical Articles (1941-present)
- Opportunities and sponsorships for exhibitors
- Free job advertisements on the NLGI website

NLGI Member Benefits



Recognition and Influence

- ✓ Exclusive sponsorship and advertising opportunities
- ✓ Become an HPM presenting company
- ✓ Webinar Series
- ✓ Become a host company for NLGI practical training
- ✓ Increase your company's visibility among a community of grease industry experts



Expand your Network

- ✓ Access to the full NLGI Member Directory
- ✓ Network of contacts
- ✓ Building long-term relationships within the industry
- ✓ Participate in the different NLGI committees

There are over 30 committees including: Technical, Educational, Sustainability, Women in Grease and many more!



NLGI

Serving
the grease
industry
since 1933



Scan for more information



Thank you for your
attention