



On the Horizon

A World of Lubrication Understanding®

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In This Issue:

[New NLGI's HPM Grease Specification](#)

[Electrical Insulating Fluids Testing](#)

[Savant Labs - Your Trusted Source for Your Testing Needs](#)

NLGI's New HPM Grease Specification

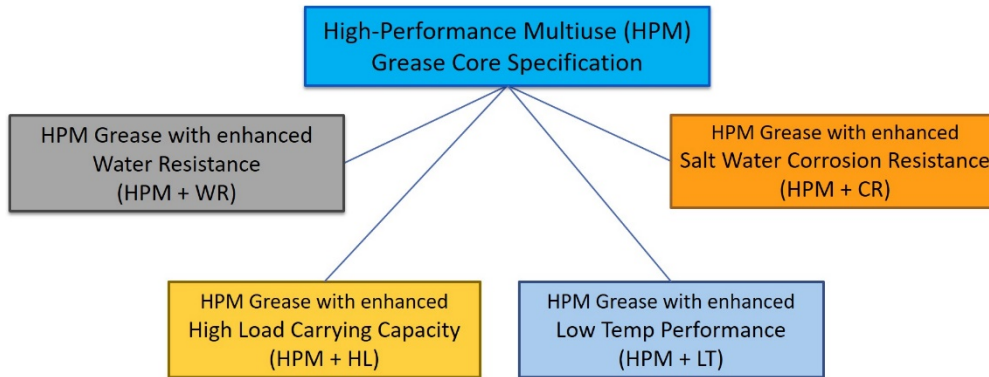
As the National Lubricating Grease Institute (NLGI) launches a new High-Performance Multiuse (HPM) grease specification and certification program, Savant Labs are here to assist you with your testing needs.



Whether you are preparing a new or an existing formulation for HPM certification, Savant Labs have over 50 years of experience in lubrication testing and understanding of the test methods, the limits established, and have the know-how in running many of the tests listed in the specification.

NLGI's new HPM grease specification has been developed by top grease experts around the world and is based on high performance and has a broader utility to the industry. The HPM grease specification has a core specification and additional subcategories outlined below.

NLGI's High-Performance Multiuse Grease Classifications



The [core specification](#) requires several ASTM methods focused on wear, water washout, temperature, oxidation, and corrosion with limits for enhanced performance. As you may recall, our last *On The Horizons Newsletter* focused on [wear preventive characteristics](#). Many of the tests mentioned in that article are included in the new HPM grease specification. The subcategories of the specification are designed with tests and limits for enhanced performance in the areas of water resistance (+WR), high load carrying capacity (+HL), saltwater corrosion resistance (+CR), and low-temperature (+LT) performance.

The testing for the sub-categories are listed below:

[High-Performance Multiuse grease specification + Corrosion Resistance](#)

[High-Performance Multiuse grease specification + High Load](#)

[High-Performance Multiuse grease specification + Low Temperature](#)

[High-Performance Multiuse grease specification + Water Resistance](#)

[Contact us](#) for more information or [request a quote](#) for your next grease project.

[Learn More](#)

Electrical Insulating Fluid Testing

Regular sampling and testing of insulating oil taken from transformers is a valuable technique in a preventative maintenance program. Testing may prevent unscheduled outages as well as indicate the interior condition of the transformer. Periodic testing will also establish trends in the rates of deterioration.



To measure the quality of insulating oil and establish deterioration benchmarks, Savant performs several common ASTM test methods.

ASTM D92	Flash Point and Fire Point, Cleveland Open Cup
ASTM D97	Pour Point
ASTM D445	Kinematic Viscosity (and Calculation of Dynamic Viscosity)
ASTM D611	Aniline Point
ASTM D664	Acid Number
ASTM D877	Dielectric Breakdown Voltage
ASTM D924	Dissipation/Power Factor
ASTM D974	Acid and Base Number by Color-Indicator Titration
ASTM D1298	Density / API Gravity, Hydrometer
ASTM D1500	Color
ASTM D1533	Water in Insulating Liquids by Coulometric Karl Fischer Titration
ASTM D2112	Oxidation Stability of Inhibited Oil by Pressure Vessel at 140°C
ASTM D2717	Thermal Conductivity
ASTM D4052	Specific Gravity (Includes API Gravity)

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Savant Labs - Your Trusted Source for Your Next Testing Project

Look to Savant Labs to meet your testing needs... we listen, act with integrity, and stand behind the quality of our data. View Savant Labs' latest video promotion.



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Our mailing address is:

Savant Labs
4800 James Savage Road
Midland, MI USA 48642

Norm Kanar, Marketing & Sales Manager
Telephone: (989) 496-2301
Email: nkanar@savantgroup.com

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