



DAMPING GREASE SAMPLE KIT

Stable, water-resistant, shear-thinning (thixotropic), medium-viscosity greases (gels) designed to control motion and vibration, maintain accurate positioning, smooth operation, and provide touch feedback for a broad array of mechanisms and controls.





Damping Grease Sample Kit

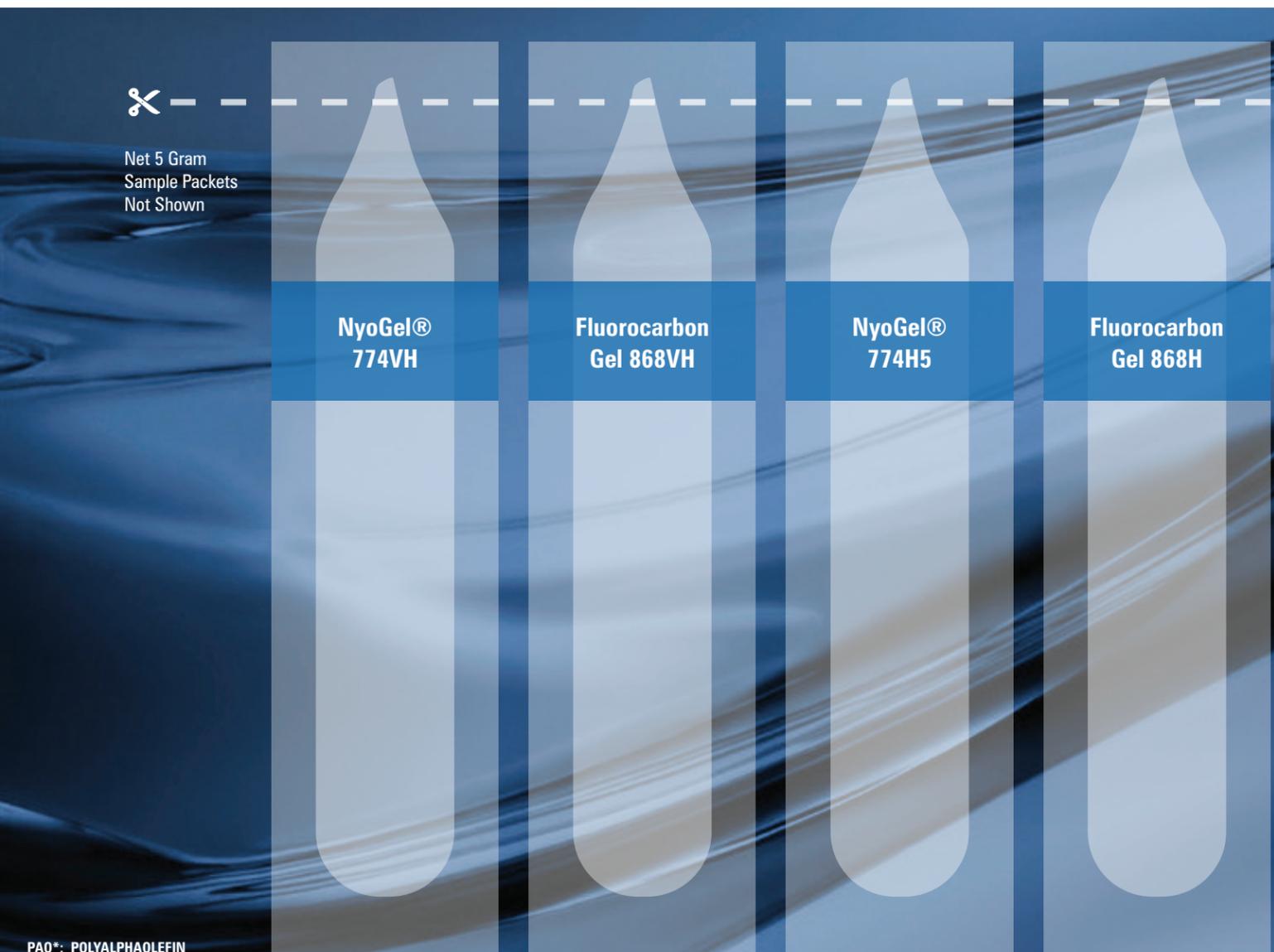
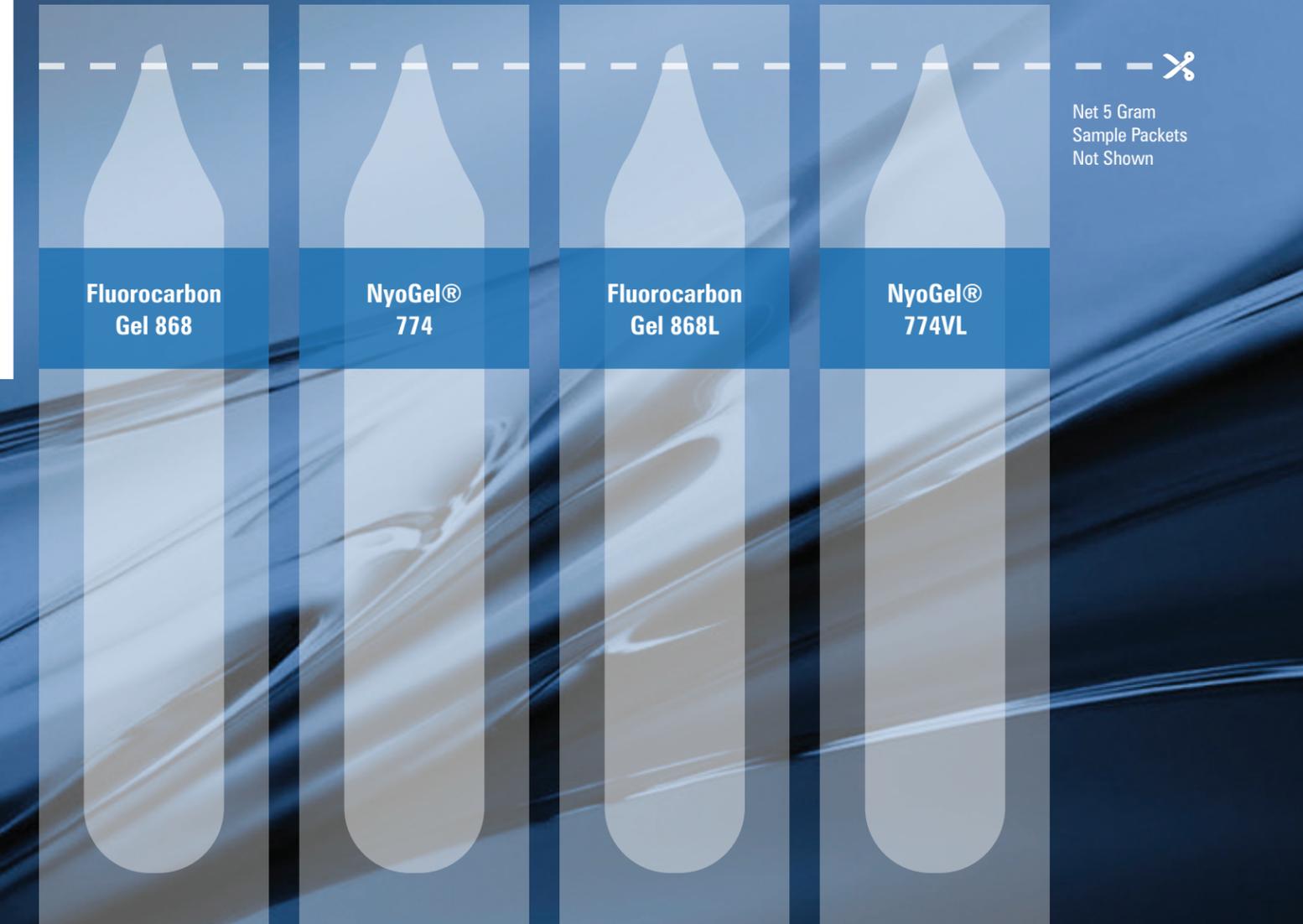
BASED ON SYNTHETIC HYDROCARBON OILS (PAO*)

Product	NyoGel® 774VH	Fluorocarbon Gel 868VH	NyoGel® 774H5	Fluorocarbon Gel 868H
Characteristic viscosity (Pa-sec) under shear (shear rate 50 sec-1) at room temperature	112	111	80	55
Oil separation at 100°C/24 hrs. (ASTM D6184)	0%	0%	0%	0%

What's the Difference? 774 vs. 868 Series

The NyoGel® 774 Series is thickened by silica, and exhibits low color, high clarity, and medium tack. The greases resist displacement from plastic or metal surfaces.

The Fluorocarbon Gel 868 series is composed of opaque, white products formulated with rust inhibitors and PTFE particles, which can improve lubricity. Flow properties are different than the 774 series.



Fluorocarbon Gel 868	NyoGel® 774	Fluorocarbon Gel 868L	NyoGel® 774VL	Product
50	42	28	18	Characteristic viscosity (Pa-sec) under shear (shear rate 50 sec-1) at room temperature
0%	1.2%	1.0%	3.1%	Oil separation at 100°C/24 hrs. (ASTM D6184)

Recommended Evaluation Procedure

1 Select a middle-range product and apply to your device. Ensure that mating surfaces remain sufficiently coated with the grease after several actuations.

2 Move up or down the range of products depending on the desired performance, clarity, and color. Test the products under relevant conditions of temperature, pressure, shear stress, and time.

3 Determine which product gives the best performance under your specific test conditions and/or application requirements.

4 Contact your Nye representative to explore additional possibilities or obtain larger samples. Much lower and higher viscosity lubricants are available.

Nye has **over 70 products, based on different material classes**, which solve problems and optimize performance in motion control applications. Some of these formulations are modifications of the **hydrocarbon-based** products in this kit, designed to enhance performance under specific conditions. Others include **silicone-based** and **fully fluorinated** gels, as well as specialty fluids. In addition, Nye can custom-formulate a product for your application.

Nye's Damping products are designed to:

- *Operate over a wide range of temperatures*
- *Exhibit low oil separation and evaporation*
- *Provide lubrication and protection*
- *Be compatible with most plastics and elastomers*

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