



Lubnotes:

Maintenance Engineer's Guide to Selecting a Lubricant

Synthetic Lubricants for Industrial Maintenance



Nye offers a range of synthetic lubricants for industrial maintenance, repair and operations (MRO), including gears, bearings, chains, slides and many other components routinely exposed to extreme operating conditions, like high temperatures or exposure to corrosive environments. Nye also has several food grade oils and greases that meet NSF-H1 approval.

Typically synthetic lubricants last 5 to 10 times longer than petroleum products. While up front costs may be higher, these lubricants can provide significant savings for the overall maintenance budget by promoting longer equipment life and helping to extend lubrication intervals, thus providing a more effective scheduled maintenance program. Reduced internal friction that synthetics deliver can also improve the mechanical efficiency of industrial equipment, leading to lower energy consumption for further operation cost savings.

Nye's synthetic greases, oils and fluids are delivered in a wide variety of packaging options. Depending on customer requirements, including specific dispensing systems, our lubricants can be packaged in larger containers such as drums, totes, kegs and pails, as well as smaller containers like cartridges, syringes, plastic jars and tubes.

For technical specifications, evaluation samples, or questions about any Nye products — or to discuss a lubricant custom-designed for your application — call +1.508.996.6721 or email us at contact@nyelubricants.com. Nye is ready to work with you to ensure you make the best possible lubricant choice.

On the back of this page is a partial list of the most commonly used Nye synthetic lubricants for industrial maintenance applications.

Contact Nye at +1.508.996.6721
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TECHNOLOGY IN MOTION™

Industrial Oils	Type	Temp Range (°C)	Grade	Description/Uses
Nye Synthetic Oil 132B	PAO	-60 to 120	ISO 15	Light synthetic oil providing low wear for metal stamping
Nye Synthetic Oil 179	PAO	-55 to 120	ISO 32	Light synthetic oil for general lubricating purposes
Delicate Machinery Oil 113	Mineral oil	-10 to 100	ISO 46	Light viscosity oil intended for micrometers, measuring tools, and related instruments
Synthetic Oil 231A	Ester	-20 to 175	ISO 100	Medium viscosity synthetic oil with great “wetting” ability designed for oven chains
Nye Synthetic Oil 176H	PAO	-30 to 125	ISO 320	Medium viscosity oil with anti-wear additives for bearing and instrument applications
Synthetic Oil 231	Ester	-20 to 175	ISO 320	Medium viscosity synthetic oil for machinery and oven chains
UniFlor™ 8190	PFPE	-25 to 250	ISO 460	Heavy viscosity synthetic oil for use in extreme environments

Industrial Greases	Type	Temp Range (°C)	Grade	Description/Uses
Rheolube® 374C	PAO/Lithium	-40 to 150	ISO 68	NLGI #4 high speed ‘channeling’ grease for ball bearings
Rheolube® 365A-MS	PAO/Lithium	-40 to 125	ISO 150	NLGI #2 extreme pressure with Molybdenum Disulfide
Rheolube® 368A	PAO/Lithium	-30 to 125	ISO 220	NLGI #2 high temperature multi-purpose
UniFlor™ 4612R	PFPE/PTFE	-30 to 260	ISO 320	NLGI #2 for Extreme Environments
Instrument Grease 794A	Ester/Clay	-20 to 150	ISO 460	NLGI #2 high-load, high-temperature
UniFlor™ 4622R	PFPE/PTFE	-20 to 260	ISO 460	NLGI #2 for extreme environments
Rheolube® 393MS	PAO/Lithium	-40 to 125	N/A	NLGI #2 general purpose EP damping grease
Rheolube® 393VH-MB	PAO/Lithium	-10 to 120	N/A	NLGI #3 general purpose EP damping grease

Food Grade Oils	Type	Temp Range (°C)	Description/Uses
Synthetic Oil 272	PAO	-35 to 120	Synthetic oil for multi-use on chains, bearings, slides, etc.
Synthetic Oil 269	PAO	-54 to 120	Synthetic oil for good self-penetrating and low temperature performance
UniFlor™ 8620	PFPE	-20 to 250	Synthetic oil for use in extreme environments

Food Grade Greases	Type	Temp Range (°C)	Description/Uses	NSF-H1	NSF
Fluorocarbon Gel 800GR-3	Ester/PTFE	-35 to 150	NLGI #3 grease with anti-wear additives designed for gearing applications		
NyoGel® 670F	PAO/Silica	-35 to 120	NLGI #2 general purpose grease with PTFE		
Fluorocarbon Gel 880FG	Silicone/PTFE	-40 to 200	NLGI #2 very high viscosity for damping and valve sealant applications		
Fluorocarbon Gel 885FG	Silicone/PTFE	-40 to 200	Medium viscosity grease, low-friction, wide temperature capability		
UniFlor™ 8622	PFPE/PTFE	-15 to 250	NLGI #2 for extreme environments, compatible with plastic & elastomers		

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