

Lub*notes*:

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 techhelp@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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Innovative Solutions since 1844 

Industrial Oils	Type	Temp Range (°C)	Grade	Description/Uses
Nye Synthetic Gear Oil 345	PAO	-40 to 125	ISO 220	AGMA 5S synthetic gear oil
Nye Synthetic Gear Oil 348	PAO	-40 to 125	ISO 460	AGMA 7S synthetic gear oil
Nye Synthetic Gear Oil 344	PAO	-45 to 125	ISO 150	AGMA 4S synthetic gear oil
Nye Synthetic Gear Oil 342	PAO	-50 to 125	ISO 68	AGMA 2S synthetic gear oil
Synthetic Oil 231	Ester	-20 to 175	ISO 320	Medium viscosity synthetic oil for machinery and oven chains
Synthetic Oil 231L	Ester	-30 to 150	ISO 220	Medium viscosity synthetic oil with great "wetting" ability designed for 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™ 393VH-MB	PAO/Lithium	-10 to 125	N/A	NLGI #2 general purpose EP damping grease
Rheolube™ 368A	PAO/Lithium	-30 to 125	ISO 220	NLGI #2 high temperature multi-purpose
Rheolube™ 365A-MS	PAO/Lithium	-40 to 125	ISO 150	NLGI #2 extreme pressure with Molybdenum Disulfide
Rheolube™ 393MS	PAO/Lithium	-40 to 125	N/A	NLGI #2 general purpose EP damping grease
Rheolube™ 374C	PAO/Lithium	-40 to 150	ISO 68	NLGI #4 high speed 'channeling' grease for ball bearings
Instrument Grease 794A	Ester/Clay	-20 to 150	ISO 460	NLGI #2 high-load, high-temperature
UniFlor™ 4622R	PFPE/PTFE	-20 to 250	ISO 460	NLGI #2 for extreme environments
UniFlor™ 4612R	PFPE/PTFE	-30 to 250	ISO 320	NLGI #2 for Extreme Environments

Food Grade Oils	Type	Temp Range (°C)	Description/Uses	NSF-H1	NSF
Synthetic Oil 276L	PAO	-20 to 120	High viscosity synthetic chain oil for consistent damping characteristics		
Synthetic Oil 272	PAO	-35 to 120	Synthetic oil for multi-use on chains, bearings, slides, etc.		
Synthetic Oil 271	PAO	-50 to 120	Synthetic oil for gears, bearings, slides, good low temperature performance		
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	-30 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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