



Lubricants that perform.

Experience you can trust.



Nye Aerospace Customers (Partial List)

Aerospace Corporation
 Air Canada
 Air France
 Air India
 Airborne Express
 Allied Signal
 AMETEK Rotron
 Astronautics Corporation of America
 BF Goodrich Aerospace
 BI Technologies Corporation
 BAE Systems
 Ball Aerospace
 Barden Precision Bearings
 Boeing Company
 Boeing Satellite Systems
 Brashear LP
 Delta Airlines
 General Dynamics
 General Electric
 GRW – Gebrueder Reinfurt GmbH & Co.
 Hamilton Sundstrand
 Honeywell, Inc.
 Hughes Aircraft
 INA USA Corporation
 ITT Aerospace
 Ithaco Space Systems
 Jet Propulsion Labs
 Kaydon Corporation
 Lockheed-Martin Corporation
 Lufthansa
 Mitsubishi Aerospace
 Moog Inc.
 NASA
 Naval Research Labs
 Naval Surface Warfare Center
 Northrop Grumman Corporation
 NTN Bearing Corporation of America
 Orbital Sciences Corporation
 Pratt & Whitney
 Raytheon
 Rolls-Royce
 Starsys Research
 Tecstar Electro Systems
 Timken Aerospace and Super Precision
 United Airlines
 US Airways
 US Department of Defense
 Wright-Patterson Air Force Base

Nye Lubricants has been designing high-quality synthetic lubricants for leaders in the aerospace industry for more than 30 years. Our scientists and engineers focus on two challenging categories of aerospace applications: discrete components that are lubricated for life and mechanical or electromechanical devices that must operate for extended periods in severe environments. Nye's synthetic oils and greases are specified for extreme-temperature jet engine actuators; cargo aircraft landing gear; aircraft controls; precision bearings in navigational instruments and space suits; wide-temperature avionics connectors; linear actuators for satellite antennas; and many other critical aerospace components. Today, we continue to work with design engineers in the private, government, and military sectors to formulate new synthetic lubricants that will take off with next-generation aircraft and spacecraft.

CUSTOM FORMULATION Nye's approach to lubricant design is a cornerstone of our success. While some lubricant suppliers specialize in only one type of chemistry, Nye stocks a complete selection of synthetic fluids. We work with all standard synthetic hydrocarbons, esters, polyglycols, silicones,

polyphenylethers, as well as proprietary fluids such as chlorophenylpolydimethylsiloxanes and multiplyalkylated cyclopentanes. Nye is also the only lubricant company that offers all five types of perfluoropolyether fluids, each with its own unique tribological qualities. This unparalleled range of chemistries — coupled with our experience in selecting and blending fluids for specific applications — ensures that each Nye customer gets the lubricant best suited to the application.

LUBRICATION SERVICES Nye offers several technical services that are frequently used by aerospace customers. We maintain an Ultrafiltration Lab where any of Nye's oils and greases can be filtered to precise cleanliness levels. Nye regularly filters and certifies the cleanliness of other manufacturers' lubricants as well. We can certify oils to Mil-Std 1246 and greases to Mil-G-81322 or Mil-G-81937. In addition, Nye will package or repackage any lubricant in oilers, syringes, cartridges, and other small dispenser-containers. Nye also can customize Mil-Spec lubricants with rust inhibitors, antioxidants, fortifiers, and other additives to enhance performance or extend service life.



At Nye, we're committed to creating value for customers with expertly engineered synthetic lubricants. For consultation, lubricant samples, or additional information, e-mail us at techhelp@nyeaerospace.com or call our world headquarters at 1.508.996.6721.

Exclusive Global Distributor of Pennzane® Fluids

Aerospace Lubricants by Nye (Partial Listing)

For evaluation samples, information about other synthetic lubricants by Nye, or to request a custom-designed synthetic lubricant for your application, please e-mail Nye at techhelp@nyeaerospace.com or call our world headquarters at 1.508.996.6721.

	Temp Range (°C)	Conforms to	Chemistry*	Precision Bearings	Other Bearings	Gears /Actuators	Potentiometers	Vacuum	Ball /Lead Screws	Noble Metal Connectors	Tin/Lead Connectors
Synthetic Oils											
Nye Synthetic Oil 200	-54 to 130	MIL-PRF-6085D	Synthetic diester	•							
Nye Synthetic Oil 2001	-45 to 125	Honeywell P8261059	Multiplyalkylated cyclopentane	•				•			
Nye Synthetic Oil 2001A	-45 to 125	NASA Part #166683	Multiplyalkylated cyclopentane	•				•			
Nyosil™-M25	-73 to 200	Allied Signal MCS9176B	Chlorophenylpolydimethylsiloxane	•			•				•
NyeTorr™ 5101	-54 to 150	—	Ester	•	•			•	•		
NyeTorr™ 5301	-65 to 250	—	Perfluoropolyether	•	•			•			
Synthetic Grease											
Nye Instrument Grease 750A	-65 to 125	Mil-G-21164E	Diester oil/lithium soap	•	•	•					
Nye Instrument Grease 704C	-65 to 150	Mil-G-23827C	Diester oil/inorganic gel		•	•			•		
Nye Instrument Grease 710R	-70 to 150	Mil-G-23827C	Royco 27A (Diester oil/lithium soap)		•	•					
Nye Instrument Grease 731B	-70 to 200	Mil-G-25013E	Silicone oil/fluorocarbon solids	•	•	•					
NyoGel® 781D	-54 to 200	Formerly General Electric G-300	Halogenated silicone oil/organic soap	•	•				•		
NyoGel® 753MS	-40 to 150	—	Polyester oil/inorganic thickener			•					
NyeTorr™ 5200	-45 to 125	—	Multiplyalkylated cyclopentane oil/PTFE	•	•			•	•		
Rheolube™ 733	-54 to 125	MIL-PRF-81322, DOD-G-24508	Mobilgrease 28 (PAO/organic clay)	•	•	•					
Rheolube™ 733F	-54 to 125	—	Mobilgrease 28 fortified with PTFE	•	•	•					
Rheolube™ 2000	-45 to 125	Honeywell P8261137	Multiplyalkylated cyclopentane oil/organic thickener	•	•			•			
Rheotemp™ 500	-54 to 175	Formerly Texaco Unitemp 500	Polyester oil and complex thickener	•	•						
UniFlor™ 8991MT	-60 to 250	Allied Signal ES-2155	Perfluoropolyether oil/PTFE		•	•					
Lubricant Dispersions											
NyeTact® 502H (UV)	-40 to 120	—	PAO grease/solvent							•	
NyeTact® 515 Series (UV)	-20 to 100	—	PAO oil/wax binder/solvent								•
NyeTact® 520 Series	20 to 250	—	Synthetic ether oil/solvent								•
NyeTact® 523H (UV)	20 to 250	—	Synthetic ether oil/wax binder/solvent								•

*For Technical Data and MSDS, contact Nye Lubricants, Inc.

Please note that U.S. Department of Commerce Export Administration Regulations and U.S. Department of State International Traffic in Arms Regulations (ITAR; 22 CFR 120-130) restrict the export of certain Nye products. An export license may be required



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ISO 9001:2000
 ISO 14001:2004
 ISO/TS 16949:2002