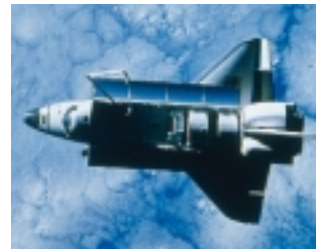
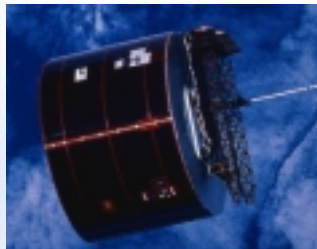




Lubricants that perform. Experience you can trust.



Nye Aerospace Customers (Partial List)

Aerospace Corp.
Aerospace Technologies
Air Canada
Air France
Air India
Airborne Express
Allied Signal
AMETEK Rotron Mil-Aero Products
Astronautics Corp. of America
Barden Precision Bearings
BF Goodrich Aerospace
BI Technologies Corp
Brashear LP
Condor Pacific
Delta Airlines
General Dynamics
General Electric
GRW - Gebrueder Reinfurt GmbH & Co
Hamilton Sundstrand
Honeywell, Inc
Hughes Aircraft
INA USA Corporation
ITT Aerospace
Jet Propulsion Labs
Lockheed-Martin Corporation
Lufthansa
NASA Glen Research
Naval Research Labs
Naval Surface Warfare Center
Northrop Grumman Corporation
NTN Bearing Corporation of America
Pratt & Whitney
Raytheon Missile Systems
Royal Air Maroc
Sun Country Airlines
Tecstar Electro Systems
The Boeing Company
Timken Aerospace and Super Precision
United Airlines
US Airways
US Department of Defense
Varig
Westjet Airlines

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 gyros, accelerometers, 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 a Class 100 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.



Call Nye. 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 aerospace@nyelubricants.com or call our world headquarters at 508-996-6721.

TAP OUR EXPERIENCE. TEST OUR PERFORMANCE.

Aerospace Lubricants by Nye (Partial List)

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 aerospace@nyelubricants.com or call our world headquarters at 508-996-6721.

| Synthetic Oils | Temp Range (°C) | Conforms to | Chemistry* | Precision Bearings | Other Bearings | Gears /Actuators | Potentiometers | Vacuum | Ball /Lead Screws | Noble Metal Connectors | Tin/Lead Connectors |
|------------------------------|-----------------|---|---|--------------------|----------------|------------------|----------------|--------|-------------------|------------------------|---------------------|
| Nye Synthetic Oil 132 | -60 to 120 | MIL-DTL-53131, Grade 4 MIS-35841 | Synthetic hydrocarbon | • | | | | | | | |
| Nye Synthetic Oil 179A | -54 to 120 | MIL-DTL-53131, Grade 6 | Synthetic hydrocarbon | • | | | | | | | |
| Nye Synthetic Oil 182 | -40 to 125 | MIL-DTL-53131, Grade 9 | Synthetic hydrocarbon | • | | | | | | | |
| Nye Synthetic Oil 186 | -34 to 125 | MIL-DTL-53131, Grade 14 | Synthetic hydrocarbon | • | | | | | | | |
| Nye Synthetic Oil 176A | -30 to 125 | MIL-DTL-53131, Grade 40 USAF 8D195LL | Synthetic hydrocarbon | • | | | | | | | |
| 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 | | | | | | | | | | | |
| 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 | • | • | • | | | | | |
| UniFlor™ 8991MT | -60 to 250 | Allied Signal ES-2155 | Perfluoropolyether oil/PTFE | | • | • | | | | | |
| Nye Rheolube 2000 | -45 to 125 | Honeywell P8261137 | Multiplyalkylated cyclopentane oil /organic thickener | • | • | | | • | | | |
| NyeTorr™ 5200 | -45 to 125 | — | Multiplyalkylated cyclopentane oil /PTFE | • | • | | | • | • | | |
| Rheotemp 500 | -54 to 175 | Formerly Texaco Unitemp 500 | Polyester oil and complex thickener | • | • | | | | | | |
| 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 | | | • | | | | | |
| 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.



Aerospace Lubricants

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