

## **Aerospace Overview**



### **Nye Aerospace Customers** (Partial List)

#### **SPACE**

Aerospace Corporation Allied Signal **Astronautics** Corporation of America BF Goodrich Aerospace **Ball Aerospace Barden Precision** Bearings Blue Canyon **Technologies Boeing Satellite** Systems Eaton Aerospace Honeybee Honeywell, Inc. Ithaco Space Systems

**ITT Aerospace** JAXA **Jet Propulsion Labs** Lockheed Martin Space Systems Mitsubishi Precision Moog Inc. **NASA** Northrop Grumman **Orbital Sciences** Corporation Parker Aerospace Starsys Research **Tecstar Electro** Systems Timken Aerospace & Super Precision **UTC** Aerospace

#### **AVIATION**

Airbus Air Canada Air France Air India **American Airlines** AMETEK Rotron **Bangkok Airways** BF Goodrich Aerospace **BAE Systems Boeing Company** Bombardier Cessna **Delta Airlines** Embraer GE Aviation **General Atomics Goodrich Aviation** 

**GRW-Gebrueder** Reinfurt GmbH & Co. **Hughes Aircraft INA USA Corporation Kaydon Corporation** L-3 Brashear LP Lufthansa **NTN** Bearing Phillippines Airlines **Pratt & Whitney** Rolls-Royce Sikorski Singapore Airlines Tai Airways Turkish Airlines **United Airlines UTC** Aviation

#### **DEFENSE**

Airborne Express **AMETEK DFAS** Fort Campbell Army Base **General Dynamics** Hillman Air Force Base

Naval Surface Warfare Center Raytheon **USAF Joint Base** Elmendorf-Richardson **US** Department of Defense Wright Patterson Air Naval Research Labs Force Base

# **Lubricants that perform. Experience you can trust.**

Nye Lubricants has been designing highquality synthetic lubricants for leaders in the aerospace industry for more than 60 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-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, visit us at NyeLubricants.com or call our world headquarters at +1.508.996.6721.





<sup>\*</sup>The typical properties shown on this document should not be used as a basis for preparing specifications. 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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