

AVIATION SOLUTIONS

Lubricants designed to improve the functionality, reliability and longevity of aviation components from take-off to landing.





LUBRICANTS IN FLIGHT

SYNTHETIC LUBRICANTS FOR AVIATION

Primary Flight Controls Wing Flap Bearings - UniFlor™ 8961MT **Rotating Shaft Coupling - AND-786 Fuel System** Valve O-ring - UniFlor™ 8921 **Electrical** Connectors & Sensors - UniFlor™ 8917

Landing Gear

Shimmy Damper - Fluorocarbon Gel 880

Trunnion Pin - Rheolube® 374A & Rheolube® 343

O-ring/Seal - UniFlor™ 8512S

Auxiliary Power Unit

Thread Lubricant - Rheolube® 733MZ

Fuel Control

Bearings in High Speed Rotating Oscillatory Pivot - Rheoplex 6000HT

Actuator & Bearings - UniFlor™ 8921, UniFlor™ 8980 & UniFlor™ 8981

Gallev

Food Prep Compartment - Fluorocarbon Gel 880FG

Food Prep Equipment - UniFlor™ 8921A

Lavatory Vacuum Pump Bearing - Rheotemp[™] 500

Cockpit Instruments

Shaft/Tachometer Generator - UniFlor™ 8961MT Potentiometer - Fluorocarbon Gel 711-1

Connector Harness - Rheotemp[™] 768G

Avionic Control

Electrical Connector - NyeTact® 571H-10 Joystick & Yoke - NyoGel® 774 Series O-ring/Seal - UniFlor™ 8961MT Switches - UniFlor™ 8950 & UniFlor™ 8980

Engine Exhaust

Actuator Components - UniFlor™ 8991MT Gear Train Cables - UniFlor™ 8991MT

Electrical

Sliding Switches - Rheotemp™ 763G Overhead Lighting Connectors - NyoGel® 760G

Cabin

Interior Components - UniFlor™ 8172 Recliner Mechanisms - UniFlor™ 8172

Hinges/Slides - UniFlor™ 8512

Seat Tray Hinges - NyoGel® 774 Series Personal TV Hinges - NyoGel® 774 Series Seat Belt Latches - Fluorocarbon Gel 836A

Pressure/Oxygen Valve O-ring - L-Phen-100K

Air Vent Controls - NvoGel® 774HF

AVIATION APPLICATIONS

AIRFRAME

Proper function of landing gear during takeoff and landing is absolutely critical to successful aircraft operation. Primary flight controls need to activate properly as desired by the pilot when the aircraft is in flight. Lubricating airframe components with a corrosion-inhibited, synthetic hydrocarbon grease designed for high speed, wide temperature conditions will ensure proper long-term function and maintenance-free operation of these critical flight systems.

AVIONICS

The electronics and avionics systems found in an airplane cockpit rely on lubrication to ensure the communications, navigation, and other crucial flight systems perform properly. Some instrumentation and adjustment controls require lubrication to ensure long-term protection from corrosion and consistent, reliable operation. The proper synthetic lubricant should enable mechanisms to slide, push or flip smoothly, while also imparting the optimal feel or control feedback for the pilot's interface to a wide range of mechanisms and switch designs, including levers, dials, slides, push buttons, etc.

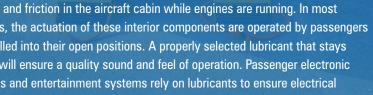
ENGINE

Aircraft engines must withstand a wide range of temperatures and operate at high altitudes. Components, including the lubricant, must be compatible with aviation fuels and resist corrosive fuel system vapors. Unique fluorinated synthetic lubricants, that are inherently inert, are ideal for this kind of operating environment. In addition to staying fluid at very low temperatures, their superior thermo-oxidative stability prevents high-temperature oxidation and varnishing even at continuous temperatures of 250°C, while also resisting aggressive chemicals and fuels.

INTERIOR

Passenger seating and storage systems can benefit from a thin film of lubricant applied to interior component hinges and slides, to reduce noise generated by vibration and friction in the aircraft cabin while engines are running. In most instances, the actuation of these interior components are operated by passengers when pulled into their open positions. A properly selected lubricant that stays in place will ensure a quality sound and feel of operation. Passenger electronic interfaces and entertainment systems rely on lubricants to ensure electrical connections have long-term protection from corrosion and fretting wear.









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