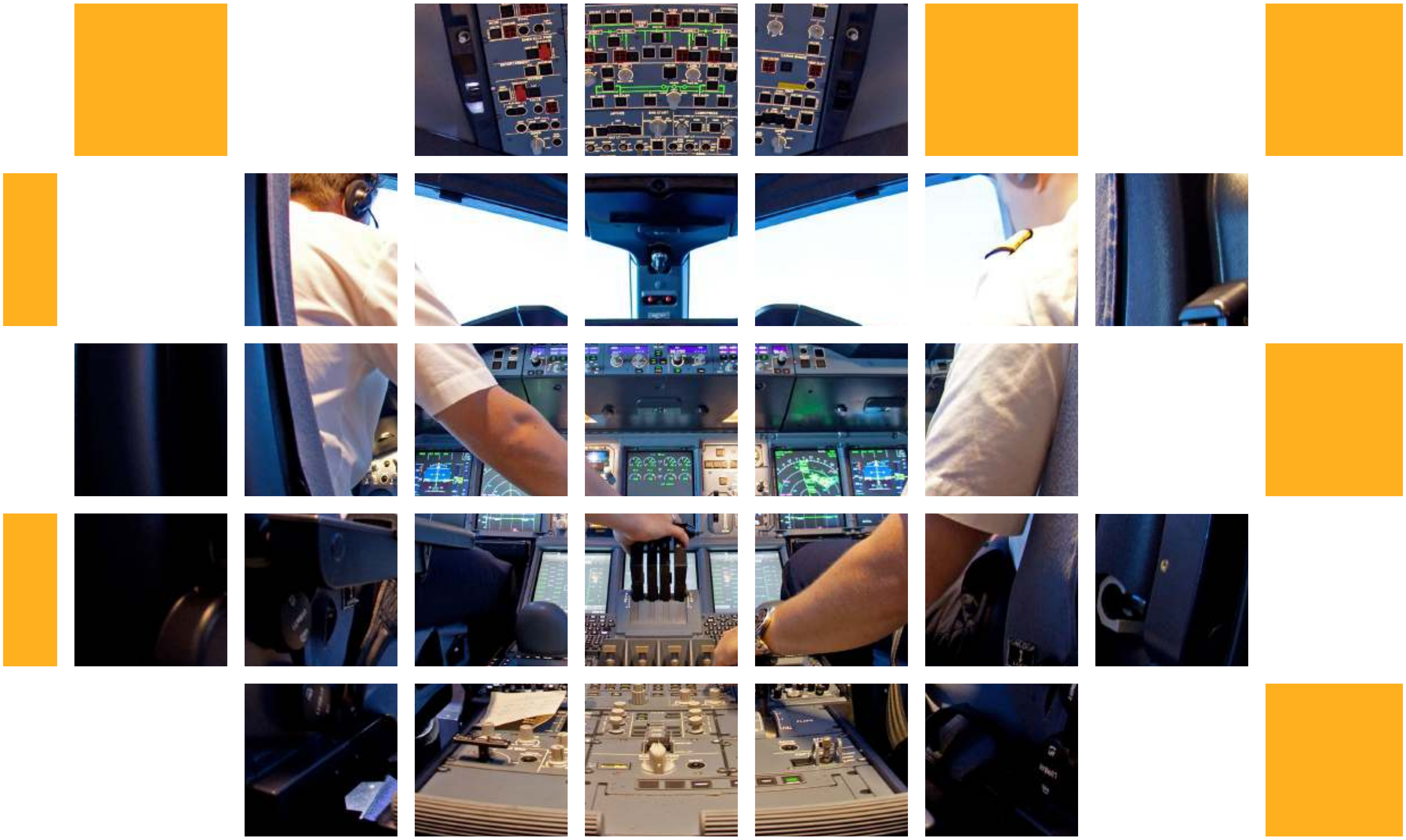

AVIATION SOLUTIONS

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

Since 1844 Nye Lubricants
TECHNOLOGY IN MOTION®

LUBRICANTS IN FLIGHT

SYNTHETIC LUBRICANTS FOR AVIATION

Primary Flight Controls

UniFlor™ 8961MT - Wing Flap Bearings

AND-786 - Rotating Shaft Coupling

Fuel System

UniFlor™ 8921 - Valve O-ring

Electrical

UniFlor™ 8917 - Connectors & Sensors

Galley

Fluorocarbon Gel 880FG - Food Preparation Compartment

UniFlor™ 8921A - Food Preparation Equipment

Rheotemp™ 500 - Lavatory Vacuum Pump Bearing

Cockpit Instruments

UniFlor™ 8961MT - Shaft/Tachometer Generator

Fluorocarbon Gel 711-1 - Potentiometer

Rheotemp™ 768G - Connector Harness

OCK-451 - Glass Panel Display

Avionic Control

NyeTact® 571H-10 - Electrical Connector

NyoGel® 774 Series - Joystick & Yoke

UniFlor™ 8961MT - O-ring/Seal

UniFlor™ 8950 - Switches

UniFlor™ 8980 - Switches

Landing Gear

Fluorocarbon Gel 880 - Shimmy Damper

Rheolube® 374A - Trunnion Pin

Rheolube® 343 - Trunnion Pin

UniFlor™ 8512S - O-ring/Seal

Auxiliary Power Unit

Rheolube® 733MZ - Thread Lubricant

Fuel Control

UniFlor™ 8921 - Actuator & Bearings

UniFlor™ 8980 - Actuator & Bearings

UniFlor™ 8981 - Actuator & Bearings

Rheoplex 6000HT - Bearings in High Speed Rotating Oscillatory Pivot

Engine Exhaust

UniFlor™ 8991 MT - Actuator Components - Gear Train Cables

Electrical

Rheotemp™ 763G - Sliding Switches

NyoGel® 760G - Overhead Lighting Connectors

Cabin

UniFlor™ 8172 - Interior Components

UniFlor™ 8172 - Recliner Mechanisms

UniFlor™ 8512 - Hinges/Slides

NyoGel® 774 Series - Seat Tray Hinges

NyoGel® 774 Series - Personal TV Hinges

Fluorocarbon Gel 836A - Seat Belt Latches

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

NyoGel® 774HF - Air Vent Controls

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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ISO 14001 Environmental Management EMS 77528