

HYDRAULIC FLUIDS

Exxon HyJet IV-Aplus

Exxon HyJet IV-Aplus is a fire-resistant phosphate ester hydraulic fluid designed for use in commercial aircraft. It is the best-performing Type IV fluid and approaches to a great extent many of the performance capabilities of Type V fluids, including high temperature stability, fluid life, low density, and rust protection.

✓ Approvals: SAE Aerospace Standard AS1241C, Airbus NSA307110M, ATR, Boeing BMS 3-11N, Type IV, Class I and Type V, Grade B, Boeing (Douglas Division) DMS 2014H, British Aerospace (Avro) BAC.M.333C, British Aerospace (Avro) BAC.M.333C, Bombardier/Canadair BAMS 564-003NC, Bombardier/DeHavilland, Cessna, Embraer, Fokker, Gulfstream Aerospace 1159SCH302D, Lockheed C-34-1224C

Exxon HyJet V

Exxon HyJet V is a Type V fire-resistant phosphate ester hydraulic fluid, which is superior in thermal and hydrolytic stability to commercially available Type IV hydraulic fluids. Better stability means the extent of fluid degradation in aircraft systems will be less than Type IV fluids, in-service fluid life will be longer, and aircraft operator maintenance costs will be lower.

✓ Approvals: SAE Aerospace Standard AS1241, Type V, Airbus NSA 307110M, Type V, Boeing BMS 3-11N Type V, Grade A, Boeing-Long Beach DMS 2014H Type 5, Bombardier BAMS 564-003NC, Type V, ATR NSA307110M, Type V

Mobil Aero HF Series

Mobil Aero HFA and HF are formulated for aircraft systems where use of hydrocarbon-based hydraulic fluids is required (mineral based “red oil”). These high quality formulations have a long history of excellent performance and provide long, trouble-free service over a wide range of operating conditions.

✓ Approvals: Mobil Aero HFA: MIL-H-5606A (obsolete) quality level
Mobil Aero HF: MIL-PRF-5606 approved, NATO Code H-515

AVIATION GREASES

Mobil Aviation Grease SHC 100

Mobil Aviation Grease SHC 100 is a supreme performance synthetic grease which combines the unique features of a polyalphaolefin synthetic base fluid with those of a high quality lithium complex soap thickener. Mobil Aviation Grease SHC 100 is the product of choice for aircraft wheel bearing applications.

✓ Approvals: ABSC (Meggitt), Dunlop (Meggitt), Goodrich, Honeywell (formerly AlliedSignal), Messier-Bugatti, Parker-Cleveland

Mobilgrease 33

Mobilgrease 33 is a high-performance lithium-complex grease designed for general-purpose aircraft use. It utilizes a 100% polyalphaolefin base oil and premium additives which ensure outstanding lubrication performance over a wide temperature range and operating conditions.

✓ Approvals: Airbus AIMS09-06-002, Boeing BMS 3-33B Type 1, MIL-PRF-23827C, Amendment 2, Type I, NATO G-354, SAE AMS3052

Mobilgrease 28

Mobilgrease 28 is a supreme performance, wide-temperature, antiwear grease. It offers outstanding performance over a wide temperature range. For more than 30 years, Mobilgrease 28 has been the multi-purpose grease of choice for military and related aviation applications, worldwide.

✓ Approvals: MIL-PRF-81322G, DOD-G-24508A, Amendment 4, NATO G-395

For more information about these or other ExxonMobil Lubricants, please have a look at our website www.ingelbeen.be or contact us. We will be pleased to help you further.
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ExxonMobil Aviation Lubricants



Service, performance and quality. That’s our job.

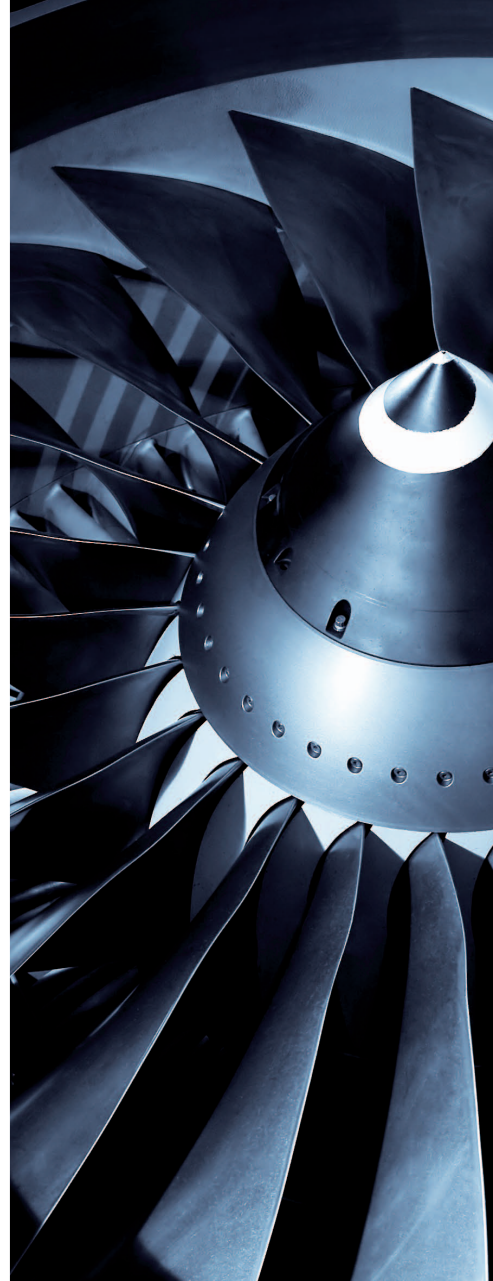
Ideas for advancing aviation lubricants have been evolving for more than a century at ExxonMobil. When the Wright Brothers first made aviation history in 1903, ExxonMobil was there with a Mobil oil in their four cylinder engine plane. You can be sure this innovative spirit will continue as new high performance and fuel efficient aircraft technology appears at the horizon.

ExxonMobil is a global leader in Commercial Aviation lubricants with a number one or two market position in each of three major Aviation lube product lines. Performance is the key focus of each aviation product. This focus resulted in OEM approval and Proof of Performance in many on-wing applications. Product quality and manufacturing discipline are the core tenets of ExxonMobil to ensure quality to the customer use.

Technical service is a critical component in aviation. The dedicated technical sales professionals worldwide and the state-of-the-art EMRE laboratory ensure this service to all of the ExxonMobil customers.

The aviation products of ExxonMobil are:

- ✓ Formulated to meet or exceed industry specifications
- ✓ Comprehensively lab and field tested
- ✓ Engineered by ExxonMobil researchers to optimize performance
- ✓ Manufactured using Product Quality Management System (PQMS) to ensure products are dependable worldwide
- ✓ Backed by a global team of aviation lubricants experts



As the official distributor of ExxonMobil Aviation Lubricants for Benelux, we are pleased to provide you both business and technical support crucial for your company. Ingelbeen-Soete connects the power and flexibility of a family-owned company (since 1929) with the know-how and experience of world's biggest player, ExxonMobil.

For your maximum advantage, we provide:

- ✓ A wide range of high performance lubricants and high performance synthetic products to reduce your costs and simultaneously improve your processes.
- ✓ An excellent availability of the products and in consequence a delivery at short notice as a result of our large stock.
- ✓ Complete technical support and one contact person.
- ✓ Dedicated trucks and drivers (Benelux) make sure your goods are delivered correctly and on time for a great logistical efficiency.

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TURBINE JET OILS / PISTON ENGINE OILS

Mobil Jet Oil II

Mobil Jet Oil II is a high performance aircraft-type gas turbine lubricant formulated with a combination of a highly stable synthetic base fluid and a unique chemical additive package. Today, about 160 major airlines use our flagship Mobil Jet Oil II in more than 11,000 gas turbine engines.



Approvals: Honeywell/Lycoming-Turbine engines, Rolls-Royce/Allison Engine Company, CFM International, General Electric Company, IAE International, Pratt and Whitney Group, SNECMA, Pratt and Whitney, Canada, Rolls-Royce Limited, Honeywell/Garrett-Turbine Engine Company, Turbomeca, Honeywell-Auxiliary power units and air cycle machines, Hamilton Standard-Starters, Hamilton Sundstrand corp.-APUs, Constant-speed drives and integrated-drive generators. Approved against Mil-PRF-23699F-STD and PRI-QPL-AS5780/SPC

Mobil Turbo 319 A-2

Mobil Turbo 319A-2 is a fully synthetic lubricant developed to meet the performance requirements of Russian gas turbine aircraft engines which operate on mineral-oil-based lubricants. Mobil Turbo 319A-2 is fortified with a unique chemical additive system. The resulting product has far superior thermal and oxidation stability.



Approvals: Mobil Turbo 319A-2 is approved against the following specification of the Russian Central Institute of Aeronautical Motors (CIAM): IMP-10, MS, 8P, MS-8RK, 36/1 Ku-A, VNII NP 50-1-4f and -4u, B3V and LZ-240. It also meets U.S. Military Specification MIL-L-6081C, as well as the essential performance requirements of U.S. MIL-L-7808K, Grade 3.

Mobil Jet Oil 254

Mobil Jet Oil 254 is a third-generation, extra high performance, synthetic aircraft-type gas turbine lubricant engineered to meet the performance requirements for gas turbine engines used in commercial and military aircraft. This product is formulated from a specially prepared, hindered-ester base stock and fortified with a unique chemical additive package.



Approvals: Honeywell/Lycoming-Turbines, Rolls-Royce/Allison Engine Company, CFM International, General Electric Company, International Aero Engines, Pratt and Whitney Group, Pratt and Whitney, Canada, Rolls-Royce Limited, SNECMA, Honeywell/Garrett Turbine Engine Company, Honeywell-Auxiliary power units and air cycle machines, Hamilton Standard-Starters, Hamilton Sundstrand Corp.-APUs, Mil-PRF-23699F High Thermal Stability (HTS), PRI-QPL-AS5780/HPC.

Mobil Avrex S Turbo 256

Mobil Avrex S Turbo 256 gas turbine lubricant is a combination of a highly stable synthetic base fluid and a unique chemical additive package. The combination provides outstanding thermal and oxidative stability to resist deterioration and deposit formation, as well as excellent resistance to foaming.



Approvals: Approved in equipment specifying 3 centistokes, MIL-PRF-7808 (latest revision) lubricants. Mobil Avrex S Turbo 256 is compatible with other synthetic gas turbine lubricants meeting MIL-PRF-7808 or MIL-PRF-23699 Specifications. However, mixing with other products is not recommended because the blend would result in some loss of the performance characteristics of Mobil Avrex S Turbo 256. The product is compatible with all metals used in gas turbine construction, as well as with F rubber (Viton A), H rubber (Buna N), and FVMQ rubber (fluorosilicone).

Mobil Avrex M Turbo 201-1010

Mobil Avrex M Turbo 201/1010 gas turbine lubricant is a combination of a proven aviation engine mineral oil base stock and an ashless additive package. Mobil Avrex M Turbo 201/1010 is recommended for older design aircraft gas turbine engines.



Approvals: The product is approved against U.S. Military Specification MIL-PRF-6081, Grade 1010. It should be used only in those turbine engines where the operating temperatures are within the capability range of mineral oil-based lubricants.

Aviation Oil Elite 20W-50

Aviation Oil Elite 20W-50 is a premium quality, semi-synthetic, ashless-dispersant aviation piston engine oil. It is formulated from select, highly refined mineral base oils, a polyalphaolefin synthetic base oil, and ashless performance additives providing outstanding engine cleanliness, wear protection, and corrosion protection.



Approvals: MIL-L-22851D/SAE J1899, Teledyne Continental Motors (MHS 24) and Textron Lycoming Spec No 301F