

ExxonMobil Aviation Lubricants

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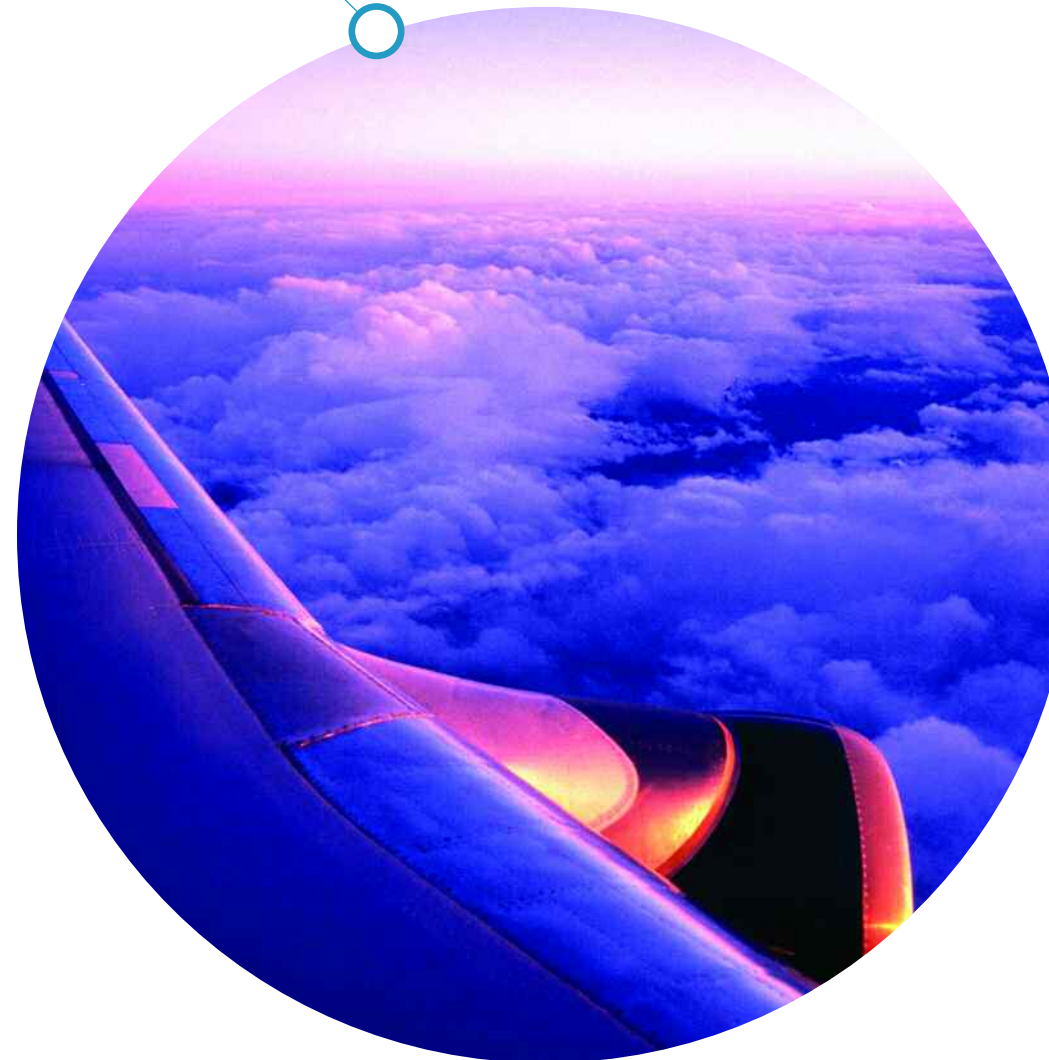
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ExxonMobil
Aviation Lubricants

Mobil Jet Oil II

Why many customers think it is the world's most reliable lubricant for aircraft-type gas turbine engines.



ExxonMobil
Aviation Lubricants

EMAL-MJOII-309



Mobil Jet Oil II helps keep aircraft where they belong: In the air generating revenue.

Throughout history, ideas on advancing aviation lubricant technology have taken flight at ExxonMobil.

Ever since the Wright Brothers made aviation history in 1903 with a Mobiloil in their plane's four-cylinder engine, aviators have been using our lubricants.

During the first 100 years of aviation, our products logged nearly 80 billion flight hours in worldwide aircraft operations. None of our products has traveled as far or often as Mobil Jet Oil II, our flagship gas turbine engine oil.

- Mobil Jet Oil II is the first standard grade synthetic lubricant to be approved as a Type II oil for aircraft-type gas turbine engines. It is approved against MIL-PRF-23699-STD and SAE AS 5780-SPC specifications.
- Our flagship oil has an extensive history of outstanding performance in modern aircraft-type turbojet, turbofan, turboprop and turboshaft gas turbine engines.
- Ongoing laboratory and field tests consistently demonstrate that Mobil Jet Oil II helps control engine deposits better than competitive Standard Type II lubricants.

Today many commercial airlines and military services, and dozens of executive aircraft fleets are experiencing the benefits of using Mobil Jet Oil II.

What are you using to protect your fleet's jet engines and accessories? If you are looking for a product that can help control engine deposits and reduce maintenance, there is really only one choice: Mobil Jet Oil II.

- Our oils have been protecting aircraft engines since 1903.
- Mobil Jet Oil II helps control deposits, keeping gas turbine engines cleaner and operating more efficiently.
- We make, blend and package Mobil Jet Oil II in ExxonMobil-owned plants, ensuring product quality and consistency.
- Mobil Jet Oil II has a history of providing outstanding performance.
- Mobil Jet Oil II can mean less maintenance, more flying and greater revenue.

Demands on aviation oils have come a long way since the Wright Flyer's four-cylinder engine.

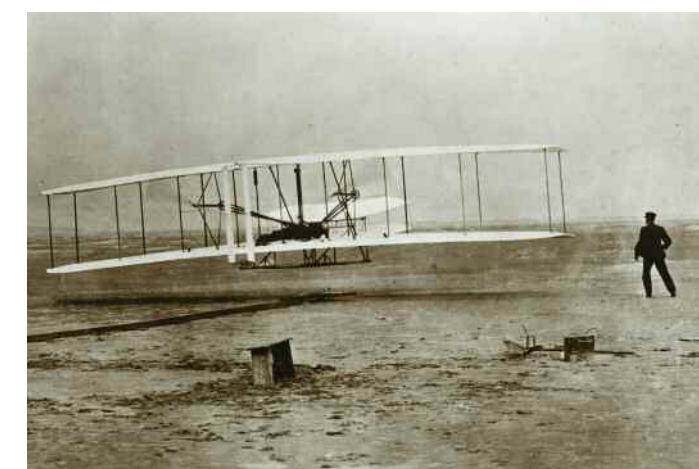
In 1927, when Charles Lindbergh completed the first solo nonstop transatlantic flight in history, a Mobiloil was lubricating the Wright Whirlwind J-5C engine that powered his "Spirit of St. Louis." Even then we were working with engine manufacturers to enhance our lubricants' formulations to meet the demands of newer designs.

A Mobiloil protected "Friendship" when Amelia Earhart made her historic solo flight across the Atlantic. And when Wiley Post became the first aviator to circle the globe solo, his aircraft's engine was also lubricated with a Mobiloil.

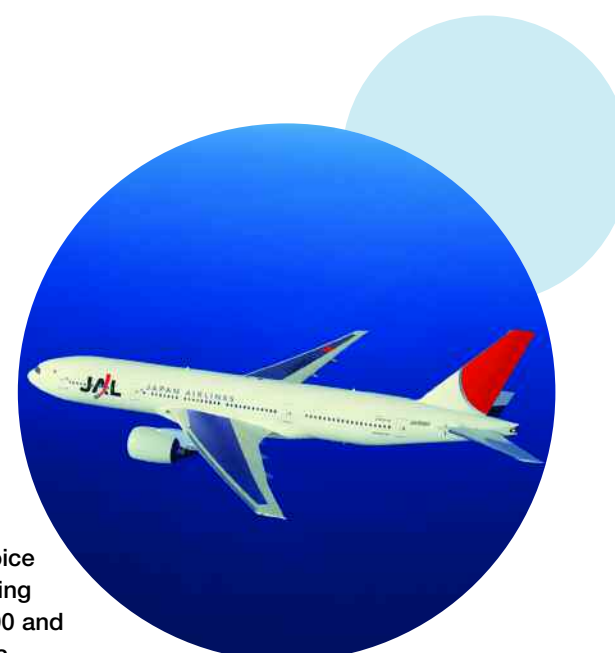
By the time commercial aviation entered the jet age in the late 1950s, our synthetic oils were leading the way, lubricating the engines and accessories of military aircraft and the first passenger jets.

Today's modern jet engines require a lubricant that can handle extreme speed, temperature, and other stress without breaking down or forming deposits. Our Mobil Jet Oil II is tailor-made to meet these challenges. Even NASA selected the proven protection of our jet engine lubricant. Mobil Jet Oil II is made from a highly stable polyol ester basestock and unique chemical package proven to help:

- Control engine deposits better than other Standard Type II commercial aviation oils
- Keep the oil system clean
- Extend engine, gear and bearing life
- Reduce engine maintenance



Our tradition of aviation lubricant excellence started with the Wright brothers in 1903 and continues today.



Mobil Jet Oil II is the lubricant of choice for many carriers, including those using latest technology GE 90, RR Trent 800 and PW4000 engines to power their fleets.



ExxonMobil is the only supplier with the resources to manage the entire lubricant-manufacturing process. This means we can control the quality and consistency of the oils we offer.

Mobil Jet Oil II's formulation is tailor-made by ExxonMobil to help control jet engine deposits.

Why can Mobil Jet Oil II perform like no other Standard Type II commercial aviation oils? One important reason is the quality of the components we use to formulate our lubricants for the aviation industry.

Unlike some other suppliers, we make our jet oils' basestocks and many additives at a plant we own and manage. We also blend and package our products at this same ExxonMobil-owned facility. Managing the manufacturing process from start to finish enables ExxonMobil to control the quality and consistency of the oils.

- Our Product Quality Management System (PQMS) ensures that the aviation oils you purchase from us will be dependable worldwide.
- In addition to imposing rigorous internal standards, our jet oil manufacturing, packaging and quality control facilities are ISO 9001:2000 certified.
- PQMS encompasses all aspects of our manufacturing process, from product planning and development to blending lubricants that meet specific industry requirements to packaging.

Another reason why Mobil Jet Oil II is particularly effective is due to our leadership in aviation lubricant technology. ExxonMobil researchers use their scientific expertise to specially engineer the synthetic basestock of Mobil Jet Oil II to optimize performance. They further enhance it with carefully selected additives to create a product that performs like no other Standard Type II commercial aviation oil.

For outstanding performance, use Mobil Jet Oil II in your fleet's gas turbine engines.

Mobil Jet Oil II has an impressive history of providing outstanding performance in aircraft-type gas turbine engines. No other Type II commercial aviation product can offer this record of achievement. It is why many customers describe Mobil Jet Oil II as the "world's most reliable lubricant."

Results from laboratory and field tests consistently demonstrate Mobil Jet Oil II's ability to handle high temperatures without breaking down or forming carbonaceous deposits. These ongoing tests are an important part of ExxonMobil's commitment to developing results-oriented lubricant formulations.

Mobil Jet Oil II is approved by the leading engine builders and accessory manufacturers, and is compatible with other Type II commercial aviation products meeting MIL-PRF-23699.

Changing from another Type II commercial aviation product to Mobil Jet Oil is easy:

- Before beginning the changeover, consult engine/equipment builder recommendations to ensure compliance.
- Simply "top-off" the system with Mobil Jet Oil II. By taking this approach, the old brand of lubricant is simply phased out gradually.
- Since oil is consumed in a jet engine on a regular basis (typically 0.20-0.80 quarts per hour), the system will likely contain more than 95 percent of Mobil Jet Oil II within a few hundred hours of operation.

Your local ExxonMobil Aviation Lubricants representative can provide complete details on recommended conversion procedures.



*CFM56-3C1 Number 5 Bearing — Rear Compartment
Mobil Jet Oil II: 20,600 hours, 7,300 cycles
Minimal deposits with Mobil Jet Oil II.*



*RB.211-535C 03 Module — Walls with Gears Removed
Mobil Jet Oil II: 18,500 hours, 13,400 cycles
Sump walls are clean and free from deposits with only a slight brown discoloration.*



*PW2040 Number 5 Bearing/Seal Housing
Mobil Jet Oil II: 17,336 hours, 10,708 cycles
Excellent condition with light varnish deposits.*



*CF6-80C2B1F Number 5 Bearing Housing
Mobil Jet Oil II: 13,700 hours, 2,200 cycles
Minimal deposits with Mobil Jet Oil II.*



A global team of aviation lubricants experts stands behind every quart, pail or drum of Mobil Jet Oil II you purchase.

Why use a lubricant that is trying to be like Mobil Jet Oil II when you can use the real thing?

If you believe that one synthetic jet engine oil is the same as another, we have good news to share. They are not. Mobil Jet Oil II is a one-of-a-kind performer.

No Standard Type II commercial aviation oil helps control jet engine deposits better than our product. Mobil Jet Oil II helps keep oil systems clean. That can mean less maintenance, more flying and greater revenue.

Mobil Jet Oil II and our other nose-to-tail aviation products are available worldwide. We also provide unsurpassed technical expertise and service for customers in about 200 countries and territories. So wherever you are doing business, it is likely we are too.

Mobil Jet Oil II has a history of helping to keep aircraft where they belong — in the air generating revenue. Let us show you what the world's most reliable lubricant for gas turbine engines can do for your fleet.

Mobil Jet Oil can mean less maintenance, more flying and greater revenue.

Today, about 160 major airlines use Mobil Jet Oil II in more than 11,000 gas turbine engines.



For more information on Mobil Jet Oil II or our other nose-to-tail products, contact your local ExxonMobil Aviation Lubricants representative or visit www.exxonmobilaviationlubes.com.