

Airframe and Engine Preservation:

Why It Matters

Michael Klasing, Director of
Technical services

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Executive Summary:

Proper aircraft and engine preservation during periods of inactivity is a critical part of aircraft ownership that directly impacts reliability, maintenance costs, airworthiness, and long-term resale value. The article explains how preservation procedures help protect private jets for sale, business jets for sale, and light jets for sale — including aircraft such as a Gulfstream G550 for sale, Challenger 350 for sale, Citation Mustang for sale, and Phenom 300 for sale — from corrosion, contamination, and mechanical deterioration while inactive. For owners evaluating how to buy a private jet or how to sell a private jet, working with experienced maintenance providers, private jet brokers, and private jet experts can help ensure proper preservation procedures are followed and documented correctly.

Key Takeaways:

- Proper aircraft preservation helps prevent corrosion, contamination, and costly maintenance issues during periods of inactivity.
- Manufacturer preservation procedures vary depending on aircraft type and expected downtime duration.
- Incomplete preservation documentation can negatively impact resale value and maintenance program eligibility.

FAQ:

Why is aircraft preservation important during periods of inactivity?

Proper preservation protects aircraft systems and engines from corrosion, moisture, contamination, and deterioration while the aircraft is not flying.

What problems can occur if an aircraft is not properly preserved?

Improper preservation can lead to internal engine corrosion, seal damage, fuel contamination, increased maintenance costs, and unexpected repair expenses.

How does aircraft preservation impact resale value?

Maintenance records and preservation documentation are carefully reviewed during pre-purchase inspections, and missing records may raise concerns for buyers and maintenance providers.

Do aircraft manufacturers provide preservation guidelines?

Yes, aircraft and engine manufacturers publish specific preservation procedures based on aircraft type and expected downtime duration.

Why should owners work with a private jet expert when evaluating aircraft maintenance and resale?

An experienced private jet expert and private jet broker can help owners understand how maintenance history, preservation practices, and aircraft condition affect market value and buyer confidence.

Notable Comments:

“Airframe and engine preservation is one of the most overlooked aspects of aircraft ownership, yet it plays a critical role in maintaining an aircraft’s condition, safety, and value.”

“Failure to properly preserve an aircraft can lead to expensive and sometimes avoidable problems.”

“Protecting an aircraft while it is not flying is just as important as maintaining it while it is in service.”

“The good news is that most of these issues are preventable with proper planning and maintenance oversight.”

About

Founded in 2006, jetAVIVA is a globally recognized private jet broker and private jet expert, celebrating 20 years as a leader in turbine aircraft sales and acquisitions. Having supported thousands of clients in over 40 countries, jetAVIVA consistently ranks among the top firms for private jets for sale and business jets for sale by total transactions. The company specializes in representing buyers and sellers across the full spectrum of aircraft, including light jets for sale, super-midsize platforms like the Challenger 350 for sale, and large-cabin aircraft such as the Gulfstream G550 for sale. jetAVIVA provides comprehensive, expert guidance on how to buy a private jet, how to sell a private jet, and how to maximize value throughout the entire ownership lifecycle.