



Multi-Engine Piston Communiqué

Communiqué ME-P-005
December 19, 2024

ATA 28 – Use of Unleaded Fuels Not Yet Approved by Textron Aviation or Engine Manufacturers

Affected Models:

All Multi Engine Cessna and Beechcraft models that utilize aviation gasoline.

Textron Aviation has been working with FAA, fuel manufacturers and distributors, airports, and other Original Equipment Manufacturers for a number of years in an effort to identify, test and certify alternative fuels to replace leaded fuels in order to eliminate lead-based additives from aviation fuel. For example, Textron Aviation has previously approved UL91 and UL94 (manufactured under ASTM D7547) for use in certain Textron Aviation aircraft.

As a part of these ongoing efforts, Textron Aviation has been actively involved in and providing technical and in-kind support to both the FAA Piston Engine Aviation Fuels Initiative (PAFI) and in the Eliminate Aviation Gasoline Lead Emissions (EAGLE) programs. Each of these programs seeks to provide comprehensive testing of candidate replacement fuels for engine performance, materials compatibility, and operational safety.

Textron Aviation is aware that there are certain aviation fuels that have been granted Supplemental Type Certification (STC) for use in certain aircraft engines through the FAA in a process that is separate and apart from the PAFI and EAGLE programs. For example, the GAMI G100UL fuel received such an STC approval. Because the STC process, unlike the PAFI and EAGLE programs, does not involve broad aviation industry coalition participation, neither Textron Aviation nor its engine suppliers, Lycoming and Continental Motors, have had the opportunity to conduct the type of comprehensive and wide-ranging performance, compatibility and operational testing with respect to that fuel needed to provide a basis for approval of the fuel for use in Textron Aviation's current and legacy fleet of Cessna and Beechcraft aircraft.

Textron Aviation has been made aware that at least one other aircraft OEM has begun more comprehensive testing of GAMI G100UL in their airframes. Textron Aviation has also been made aware of reports indicating that two different OEMs have been advised of reported issues with fuel tank sealant degradation following exposure of those sealants to G100UL. These kinds of reported materials compatibility issues give rise to concerns about the continuing airworthiness of aircraft that may be operated on fuels that have not yet been comprehensively tested by Textron Aviation and/or by its engine suppliers.

The continued airworthiness and operational safety of our products and their reliable service to our customers and their passengers is of paramount importance to Textron Aviation. For these reasons, Textron Aviation has not yet approved G100UL for use in its piston engine products. Such approval can only be made by Textron Aviation if the fuel is approved by its engine

suppliers and has also undergone testing to confirm its airframe fuel systems performance, compatibility, and operational safety.

Please refer to applicable Textron Aviation approved Owner's Manuals, Pilot Operating Handbooks, Aircraft Flight Manuals, placards, and Service Bulletins SEB-28-04R1 or MEB-28-01 (or later revisions) for a listing of fuels that are Textron Aviation approved for use in your aircraft.