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SERVICE INSTRUCTION

NO. 2

DATE: February 19, 2026

SUBJECT: Authorized Specifications Used to Define the Certified Properties of 100R Unleaded Avgas

REASON FOR REVISION: This is the original issuance of this Service Instruction.

MODELS AFFECTED: Aircraft with installed FAA-Approved STC's No: SA04652CH & SE04651CH.

WARNING: INCOMPLETE REVIEW OF ALL THE INFORMATION IN THIS DOCUMENT CAN CAUSE ERRORS. READ THE ENTIRE SERVICE INSTRUCTION TO MAKE SURE YOU HAVE A COMPLETE UNDERSTANDING OF THE REQUIREMENTS.



PURPOSE: This Service Instruction identifies the authorized technical specifications that define the certified properties and quality requirements of Swift 100R unleaded avgas, for aircraft with an installed FAA-Approved STC from Swift Fuels, LLC (STCs No: SA04652CH & SE04651CH).

This Service Instruction complies with Order 8110.54A; 14 CFR § 33.4 and 14 CFR 23 App G23.3(a)(4); 14 CFR § 23.2425(a) amdt.23-64 and 14 CFR 23 App A23.3(a)(4) amdt.23-64 for Instructions for Continued Airworthiness. This Service Instruction complies with 14 CFR §§ 23.1521(d), 23.1529 and 33.7(b)(2) and (3); 14 CFR § 91.9; for powerplant and operating limitations; and follows the guidance found in AC 20-24D chg 1 Approval of Propulsion Fuels, Additives and Lubricating Oils.

These specifications are recognized by the FAA solely for the purpose of fuel conformity assessment. Production and distribution of Swift 100R is restricted to Swift Fuels, LLC and its authorized licensees. Fuels not produced under such authorization, even if nominally conforming to one of the referenced specifications, are not considered Swift 100R and are not approved for use under the referenced STCs.

FUEL INFORMATION: Specifications are used to identify fuel types and grades. The FAA accepts standards to define aviation gasolines from consensus-based industry organizations, governmental, or military standards or standards in the form of independent specifications, so long as the specification provides an equivalent determination of fuel properties, performance, and quality control as the historical approach to standards. Table 1 shows all specifications that are deemed to be acceptable for the manufacture of 100R and conforms with FAA Certification.

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WARNING: SWIFT 100R UNLEADED AVGAS NOT MANUFACTURED UNDER AUTHORIZATION FROM SWIFT FUELS, LLC OR ITS LICENSEES DOES NOT MEET THE REQUIREMENTS OF STCs No: SA04652CH & SE04651CH AND MUST NOT BE USED IN ANY AIRCRAFT OR ENGINE.

**TABLE 1 - FUEL SPECIFICATIONS APPROVED FOR PRODUCTION OF 100R**

ENTITY	SPECIFICATION DESIGNATION	SPEC. REV.	FUEL GRADE	SPECIFICATION TITLE
Swift Fuels, LLC	SWIFT SPEC-100R	-22	100R	Company Specification for 100R Unleaded Aviation Gasoline
ASTM International	D8603	-25	100R	Standard Specification for High-Octane Unleaded Aviation Gasoline Containing ETBE

RESTRICTIONS:

Only Swift Fuels, LLC and its expressly authorized licensees are permitted to produce and distribute Swift 100R unleaded avgas. Any fuel not manufactured under such authorization is not considered Swift 100R, regardless of whether it appears to conform to the specifications listed in Table 1. Use of non-authorized fuel voids the applicability of STCs No: SA04652CH & SE04651CH and is strictly prohibited.

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