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Subject: Memorandum of Record, CEN25LA101, Manufacturer's Guidance for Isopropyl Alcohol Usage

ASTM International Standard Specifications for Leaded Aviation Gasolines (ASTM Designation D910-17a) allows the use of Isopropyl Alcohol as a fuel system icing inhibitor, but states, "May be used in concentrations recommended by the aircraft manufacturer when required by the aircraft owner/operator."

Lycoming Service Instruction Number 1070AB, dated April 8, 2020, lists fuels approved for Lycoming engines based on engine operating limitations and cautions that the airframe operating limitations can be different from the engine operating limitations. The document contains the following notice regarding isopropyl alcohol.

*NOTICE: Isopropyl alcohol in amounts not to exceed 1% by volume can be added only to **aviation fuel** (not automotive fuel) to prevent ice formation in fuel lines and tanks. Although approved for use in Lycoming engines, do not use isopropyl alcohol in the aircraft fuel systems unless approved by the aircraft manufacturer.*

In 1979, Cessna Aircraft released service document SE79-30 which discussed the use of fuel additives for cold weather operation in all Cessna single engine aircraft.