



SERVICE *No. 855* BULLETIN

* **PIPER CONSIDERS** *
* **COMPLIANCE MANDATORY** *

FAA Approved

Date January 14, 1987

S/M

SUBJECT: Use of Automobile Gasoline in Piper Aircraft

MODELS AFFECTED: SERIAL NUMBERS AFFECTED:

All Piston Powered Models All

COMPLIANCE TIME: Upon receipt.

PURPOSE: The use of automotive type gasoline ("MoGas") in General Aviation aircraft is believed to be a contributing factor in numerous accident investigation reports. Piper Aircraft Corporation has found no method of defining the formulation and physical properties (such as vapor pressure) of automotive gasoline in general, within any usable tolerance. The compatibility of automotive fuels with sealants, gaskets, composite fuel tanks, hoses, fuel pump impellers and other fuel system components, as used on aircraft through the years, is unknown. In addition, there is evidence that MoGas will attack certain fiberglass materials used in fuel tanks with resultant contamination and blockage of the fuel system.

Piper Aircraft Corporation does not approve any fuels other than aviation grade gasoline with the minimum octane specified in the Airplane Flight Manual (A.F.M.), Pilot's Operating Manual (P.O.M.), or Pilot's Operating Handbook (P.O.H.) and original placards affixed in the area of the fuel filling port.

INSTRUCTIONS: Service aircraft with fuel meeting the fuel requirements of the certification basis of the original type design. Refer to the applicable A.F.M., P.O.M., or P.O.H.

MATERIAL REQUIRED: Not applicable.

AVAILABILITY OF PARTS: Not applicable.

EFFECTIVITY DATE: This Service Bulletin is effective upon receipt.

SUMMARY: The use of automotive fuels is prohibited in Piper Airplanes.

NOTE: If you are no longer in possession of this aircraft, please forward this information to the present owner.