



MEMORANDUM for RECORD

Ralph E. Hicks
Senior Air Safety Investigator, IIC
Eastern Region Aviation

Date: September 30, 2022
Correspondence with Richard Hudgins, FAA Coordinator
NTSB Accident Number: ERA22LA417 – Meridianville, AL

The following information regarding the examination of N29RM was provided by FAA inspector Richard Hudgins by email correspondence on September 14 and 21, 2022, and by telephone conversation on September 22, 2022:

- Approximately 30 gallons of fuel onboard.
- Engine contained 8 quarts of clean oil.
- Induction system was unobstructed.
- Magnetos and ignition leads were secure.
- Engine control linkages secure and moved normally without binding.
- Internal engine continuity confirmed. Valve action correct, no stuck valves. Compression/suction confirmed all cylinders.
- Fuel boost pump powered on, pumped fuel. Fuel inside line to injector manifold.
- Top spark plugs normal in color and wear.
- Removed fuel injector servo, passed diaphragm leakage check per Lycoming troubleshooting guide. No internal damage or anomalies.
- All fuel nozzles were unobstructed.
- No water contamination found in fuel system.