

National Transportation Safety Board

Office of Aviation Safety

Washington, DC 20594



ERA24FA026

WRECKAGE EXAMINATION SUMMARY

December 12, 2023,

TABLE OF CONTENTS

A. ACCIDENT	3
B. WRECKAGE EXAMINATION SUMMARY	3
C. SUMMARY	3

A. ACCIDENT

Location: Marion, Ohio
Date: October 31, 2023
Time: 1123 EDT
1323 UTC
Airplane: Piper PA32-300

B. WRECKAGE EXAMINATION SUMMARY

IIC	Daniel Boggs National Transportation Safety Board Daytona Beach, FL
Party Member	Mike Childers Lycoming Engines
	John Welsh FAA, Columbus, OH

C. SUMMARY

The engine was examined again at AMF, Springfield Tennessee on 12/12/23.

The engine was suspended from a lift and further disassembled to facilitate the examination. The cylinders, oil sump and accessory case were removed. No damage to the cylinders, pistons or valves, other than impact damage was noted. The crankcase halves were separated and the crankshaft and camshaft removed. No damage to the crankshaft, crankshaft main journals, crankshaft bearings or camshaft was noted. No indication of bearing thermal damage was noted. The crankshaft bearings markings indicated that they were sourced from Superior Air Parts. The engine oil pump was disassembled and no damage to the gears noted.

Removed from the crankshaft, a hall effect trigger wheel from a previous EIS electronic ignition system, which had been removed from the right magneto position.

Submitted by:

Daniel Boggs
Air Safety Investigator