

National Transportation Safety Board

Office of Aviation Safety

Washington, DC 20594



CEN23FA084

N963MA - AIRFRAME AND ENGINE EXAMINATION REPORT

August 2, 2023

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A. ACCIDENT

Location: Yoakum, Texas
Date: January 17, 2023
Time: 1039 Local Time
Airplane: N963MA, Piper Aircraft PA-46-350PJetProp DLX

B. N963MA - AIRFRAME AND ENGINE EXAMINATION REPORT

Investigator-In-Charge	Mike Hodges, aviation accident investigator National Transportation Safety Board Aurora, Colorado
Specialist	Amanda Taylor, senior survival factors investigator National Transportation Safety Board Washington, District of Columbia
Party Coordinator	Ramon Reyes, aviation safety inspector (airworthiness) Federal Aviation Administration Houston, Texas
Party Coordinator	Kate Whitaker, air safety investigator Piper Aircraft Vero Beach, Florida

C. DETAILS OF THE EXAMINATION

The investigative team was at Air Salvage of Dallas (ASOD) in Lancaster, Texas, from August 1, 2023, to August 2, 2023, to examine the wreckage. The investigative team was assisted by various staff members from ASOD.

The wreckage was laid out and documented.

1.0 Airframe Examination (Piper Aircraft, PA-46-350P JetProp DLX, serial number 4636453)

Flight control continuity was established for the airframe.

The Avidyne autopilot system SD card and the Avidyne DFC 90 unit was removed from the cockpit and were shipped to the NTSB Vehicle Recorders Laboratory for examination and download.

The Bendix KMH-820 unit was removed from the area behind the baggage compartment and was shipped to the NTSB Vehicle Recorders Laboratory for examination and download.

Refer to the NTSB survival factors specialist report for the examination work performed to the airframe, the seats, and the restraint systems.

2.0 Engine Examination (Pratt & Whitney Canada, PT6A-35, serial number PCE-RR0275)

The engine and the propeller were not examined. A review of the onboard engine monitor data showed that the engine was operating without issues until the time of impact.

3.0 Maintenance Records Review

The maintenance records for the airframe and the engine were reviewed and were documented.

The historical Federal Aviation Administration airworthiness and registration records were retrieved and were reviewed.

The airplane was found to be current for an annual inspection of the airframe and the engine.

4.0 Pilot Records Review

The pilot records for Steven Tyler Tucker were reviewed and were documented.

Submitted by:

Michael J. Hodges
Investigator-In-Charge