

Date of Inspection: September 29, 2020

Location: Field on the property of the aircraft Owner.

FAA Operations ASI: Timothy Kray [REDACTED]

Aircraft: N57607 Piper PA-36-285 SN:36-7660006

The aircraft was located in a grass field located on the aircraft owners property. The wings were removed at the crash location for transportation to the present location. The Wing spar box was removed from the fuselage and still attached to the left wing.

Continuity checks.

Right Aileron – Good continuity from the rocker arm at the wing root to the aileron connection point, visual inspection also showed no issues with cable.

Left aileron – Due to damage caused by recovery, the left aileron was bent into the spray boom support, but a visual of the cable showed no easily identified problems. The rocker arm at the wing root was moveable in both directions.

Elevator – Good continuity from control actuation through control surface. Visual as well as manual manipulation was performed.

Rudder – Good continuity from rudder pedals through control surface. Visual as well as manual manipulation was performed.

Control rods from stick had good movement in all directions. Rods were cut at the edge of the fuselage during recovery.

Flaps were in the up position. Pilot had retracted flaps after departure, pilot stated flaps were set at 10 deg for takeoff.

Pictures of performance charts were sent to Todd Fox at the NTSB.

Trailing edge of flaps did not appear to have damage from the accident, other than the inboard trailing edge portion of the left wing (aircraft rotated after contact with the ground, causing wing damage), no scrapes, dirt or grass was on the trailing edge of the flaps, consistent with pilot statement that the flaps were retracted.

Confirmed with pilot:

Load was approximately 150-155 gallons. He did not do a specific W&B for this flight, but he has done them previously and taken off with full loads of 180 gal at this airport and with this aircraft.

Takeoff/accident time was after 1100 local, there was a line of thunderstorms that passed through the area earlier that morning and they had to wait for everything to clear. He does not know the exact time, but when he listened to ASOS during taxi, the winds were calm.