



MEMORANDUM FOR RECORD

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Subject: Email exchange with co-pilot Joseph Allen/Son (right seat)

1. When you realized that you were past blue line and was not taking off, you mentioned that the PIC in the left seat, stated an exclamation/expletive and was looking at the controls. Can you describe his hands on the control yoke and his body movement, i.e., was he trying to pull back on the controls?
 - Answer/Response: His hands were on the controls, and he was trying to pull back. Then he leaned forward slightly to look down at the yoke, what I believe was for an obstruction of the control lock.
2. What airspeed were you at when the pilot attempted to take off?
 - Answer/Response: I was not watching him during the initial roll, I was looking outside the plane and was unaware of the airspeed.
3. How much runway do you normally use for takeoff?
 - Answer/Response: I'm not sure of exact distance, I would estimate around 2000'.
4. Can you describe the feel of the controls during the takeoff roll and attempted climb?
 - Answer/Response: I did not touch the controls until I saw we were passed rotation speed and attempted to pull back myself. On the initial roll I did notice a slight shudder for a second that felt like it was in the controls. The feeling was similar to the shudder that happens when a tail wing stall is approaching due to icing. When I did pull on the controls myself, the elevator was firmly stuck in its position and would not move at all.
5. Do you recall the acceleration of the airplane after power was applied for takeoff?
 - Answer/Response: Once the brakes were released the acceleration was normal.
6. Please provide a weight and balance summary. You mentioned that the airplane was about 60 lbs below max. please provide the weight and balance computations.
 - Answer/Response: Weight and balance calculations were done in foreflight and on the iPads in the plane. I don't seem to be able to access it from the webpage. If they are recoverable, I can provide access to pull the weight and balance, otherwise I would have to attempt to recreate them.
7. Please provide a foreflight overview of the flight.

- Answer/Response: I don't have another iOS device to pull that data. I might be able to do it on the web version, but it will take me a few days.
8. How much baggage was on board and where was it located.
- Answer/Response: Each occupant had a small suitcase located in the nose of the plane. My parents shared a bag which was also in the nose.
9. Where is the airplane maintained (FBO/MX facility) The name and contact information?
- Answer/Response: KBAK is the base airport. The FBO was recently taken over by IndyJet. I think they go by Columbus Jet in Columbus. Maintenance is performed at the same location at Bradley Aviation.
10. Please provide the airplane maintenance logbooks for airframe, engines and propellers. I can send you a UPS label.
- Answer/Response: I will get with Bradley Aviation to get those to you.
11. Describe the takeoff roll, acceleration and airplane configuration. Flaps, throttles, trim. Etc.
- Answer/Response: Maximum brakes, flaps up, throttles and props full forward, mixtures rich. Roll and rudder trims in neutral position, elevator was in takeoff position. Once engines reached maximum RPM released the brakes. Airplane accelerated normally with maximum thrust.
12. What kind of control lock is normally used on your airplane? What side(s) does it go on?
- Answer/Response: Control lock is a through lock that is inserted through a hole in the yoke shaft on the pilot side.
13. Describe the feel of the controls during the control check at preflight and before.
- Answer/Response: I was not present during most of the Pre-Flight and did not touch the controls until I aborted the take off.
14. Is a checklist used all of the time, most of the time or some of the time?
- Answer/Response: A check list is used every flight.
15. You mentioned you had about 130 gallons of fuel. Where was your first fuel stop going to be. Where was the final destination?
- Answer/Response: Fuel stopped planned in Georgia at KCWV. Final destination at KBAK.
16. Are you aware of any recent maintenance? If so, what maintenance was performed?
- Answer/Response: From what I recall there were 2 cylinder heads recently replaced on the left engine. Before that there was a new backup transponder installed, I believe it's an Avidyne brand. The Garmin was the old "Primary".
17. Can you describe is there was a hurry to get the flight under way? Were you/passengers/pilot in a hurry?
- Answer/Response: No, we just completed a vacation and heading home on a Thursday so we wouldn't be in a hurry. It was fall break, so the kids didn't have school, my wife and I had the whole week off and my parents didn't not have work.
18. Did your pilot say or do anything else when the controls appeared not to work? What did he say?

- Answer/Response: I did not hear any verbal communication and I was looking outside the plane during the initial take off roll.