

Mr. Giordano,

I am sending this pursuant to your request made through my flight instructor, Nikolaus Vav regarding the collapse of the right main landing gear on N822SA at KLGB. Also, pursuant to your request, I've included photos of my pilot certificate and medical certificate.

In the afternoon of April 19, 2022 I was completing a multi-engine training flight with my instructor, Nikolaus Van CFII & MEI, at KLGB. We were flying a Diamond Twin Star (DA 42 NG; tail # N822SA) in preparation for my FAA check-ride scheduled for the next morning. We had completed several maneuvers (power-on, power off, simulated engine failures, etc), two short field take-offs and a single engine ILS approach under simulated instrument conditions. Our final maneuver was a short field landing. The approach was made with both engines running and at prescribed airspeed (approximately 80 KIAS on short final). The aircraft touched down on runway 26L on the 1000 foot markers and we began our ground roll. The right main landing gear collapsed during the ground roll and the right propeller and right wingtip struck the ground. The aircraft continued down the runway on the left main and nose gear tires and gradually veered to the right due to the right wingtip. When the aircraft came to rest, both engine masters, electric master and both fuel pumps were immediately moved to the off position. The Canopy was lifted and both my flight instructor and I evacuated the aircraft. After Airport Operations and Emergency personnel arrived and the disabled aircraft was determined to be safe from fire, my instructor and I were escorted up the runway. I paced-off 250 yards from the initial right wingtip strike mark to the 1000 foot runway markers indicating that the aircraft rolled approximately 750 feet after landing before the right main landing gear collapsed.

It is noteworthy that neither my instructor nor I sustained any injury. It is also noteworthy that several mechanics from Angel City Flyers were able to raise the right wing, extend the right main landing gear and tow the disabled aircraft from the runway to the Angel City maintenance hangar without incident. Prior to raising the wing and towing the aircraft, the mechanics were able to determine that the bonding between the landing gear unit and wing structure failed allowing the landing gear unit to detach from the wing structure causing the collapse.

Please contact me with questions.

Thank You,

Nicholas Sol