

General Information	
Report number	003941
Report type	ASOR - Aviation Safety Occurrence Report
Title	Engine Fire KAVQ 13th September 2019 (Version 4)
Aircraft	N4403Z
Date and time	13/09/2019 22:30
Event Location	KAVQ
Description	On the afternoon of the 13th of September 2019, at approximately 17:15 local time. My two students and I stepped to start the second half of our mission for the day. After taking fuel my students checked the fuel while I checked the tail. I then walked around the front of the plane to inspect the oil, and overall condition of the aircraft. No fuel or liquids were noted. No smoky smells were indicated at this point. At approximately 17:20, I then entered the aircraft to begin our engine start procedure. The student being his first flight with myself, was moving slow doing his before start checklist. As the PIC of the aircraft I did the before Start through engine start checklist on my own. at 17:25 I attempted my first start using the "Lycoming method" Mixture was full rich throttle was idle and slowly moved forward. I held the starter for approximately 8 seconds. After around 20 seconds, since the aircraft did not start, I proceeded with the "Flooded Engine Start". I pulled the mixture to Idle cutoff and slowly brought the throttle forward while engaging the starter. As the throttle moved to about 3/4 of the way forward the engine began to turn. At this point, I brought the mixture forward and stop engaging the starter. The propeller turned for approximately 2-5 rotations then stopped. At this point I smelled a very minimal smoke smell. I asked my other students if either of them smelled the same. They confirmed they had. At this moment, approximately 17:30 I ran the "Engine Start Checklist" and had my students and myself evacuate the aircraft until I could confirm there was no fire. I walked to the front of the engine cowl and noted smoke coming from the wheel well. At this point, I moved all students and myself 200 ft from the aircraft and called 911. After 911 was called, I called dispatch to report the fire. At approximately 1745-1755 the fire department arrived. At approximately 18:07 we were cleared to go near the aircraft when initial photos of the damage was taken. At approximately 2039, CAE's Safety Officer arrived.
END OF REPORT	