

AIRPLANE QUESTIONNAIRE
KENTUCKY WING
Cessna 182R

1. Approved fuel grades and colors are: 100 (Green) 100LL (Blue)
2. Location/capacity of each fuel tank is: Wings (One Ea.) 46 Gallons Ea. (43.5 Usable)
3. Total usable fuel under all flight conditions is 88 gallons.
4. Endurance at 75% power, 7,500-foot MSL, with a 1-hour reserve is 6.25 hours.
5. What make and grade oil is used? Winter – 20W50 Summer – 20W50 (Per CAP Spec)
6. Oil capacity is 12 quarts. Minimum oil quantity for takeoff is 9 quarts.
7. Minimum oil pressure is 10 psi. Maximum oil pressure is 100 psi.
8. Maximum oil temperature is 240 degrees (F or C) F
9. Magnetos are checked at 1700 RPM. RPM drop should not exceed 150 RPM on either magneto or 50 RPM differential between magnetos.
10. Maximum RPM and MP for takeoff are 2400 and Full Throttle in/Hg.
11. Maximum gross takeoff weight is 3100 pounds. Empty weight is 1901.4 pounds.
Useful load is 1198.6 pounds. Maximum landing weight is 2950 pounds.
12. Baggage compartment locations/weights are: Rear – 200LBS Max
13. Give the IAS at maximum gross weight for:

a. Va (maneuvering speed) 111 KIAS	e. Vx (best angle of climb, sea level) 59 KIAS
b. Vso (stall, landing config, power off) 40 KIAS	f. Vmc (minimum control speed - multi-engine only) _ N/A_
c. Vs1 (stall, cruise config, power off) 49 KIAS	g. Best glide speed 76 KIAS
d. Vy (best rate of climb, sea level) 81 KIAS	
14. Give the immediate action/memory items for:
 - a. Engine failure immediately after takeoff: Best Glide Speed / Fuel Selector Off / Mixture Idle Cutoff / Flaps Down/Magnetos & Master Off / Land +/- 30° L or R
 - b. Fire during cranking and engine fails to start: Cont Cranking 30 Sec – If Start Run, Shutdown, Inspect. If No Start Mixt Idle Cutoff, Fuel Sel Off, Throttle Full Open, Cont to Crank 30 Sec, Mags & Master Off / Exit w/ Extinguisher
 - c. Engine fire in flight: Mixture Idle Cutoff / Fuel Selector Off / Magnetos & Mast Off / Cabin Heat & Air Off / 100 KIAS until Fire is Out Best Glide Speed / Emergency Landing Procedure
 - d. Electrical fire in flight: Master Off / All Electric Devices Off / Extinguish / Master On, Then 1 Electric Item at a Time