



N15472 PIPER CHEROKEE CHALLENGER

Airworthiness Checklist

Completed by: _____ Date: __/__/20__
 Hobbs out: _____ Hobbs in: _____ Tach out: _____ Tach in: _____

Instructions: This sheet is to be completed before every flight. Ensure each item is checked off if acceptable or crossed out if not required. Leave items unchecked if you are unsure and ask your instructor when they become available. Circle unsatisfactory items for review with your instructor. Refer to Flight Circle for current aircraft squawks and the maintenance records for maintenance information

Aircraft Documents

- Airworthiness certificate
- Registration certificate
Last renewed: __/__/20__ Expires: __/__/20__
- Radio station license (if flying internationally)
- Owner's manual/operating handbook
- Weight & balance sheet
Last updated: __/__/20__

Aircraft Inspections

- Annual inspection: 12 calendar months (airframe, engine, propeller)
Last completed: __/__/20__ Expires: __/__/20__
- VOR receiver check: 30 days if IFR and primary means of navigation
Last completed: __/__/20__ Expires: __/__/20__
- 100-hour: 100 hours - previous overrun
Tach time at last 100 hour: _____
Time remaining: _____
- ADs complied with
- Altimeter, pitot, static: 24 calendar months if IFR
Last completed: __/__/20__ Expires: __/__/20__
- Transponder: 24 calendar months if transponder is used
Last completed: __/__/20__ Expires: __/__/20__
- ELT
Battery replacement: 1 hour of cumulative use or 50% life
Expires: __/__/20__
Inspection: 12 calendar months
Last completed: __/__/20__ Expires: __/__/20__
- 50 hour oil change
Tach time at last 100 hour: _____
Time remaining: _____

Pilot Documents

- Pilot certificate
- Valid medical certificate
Last renewed: __/__/20__ Expires: __/__/20__
- Valid photo ID
Last renewed: __/__/20__ Expires: __/__/20__
- Radio operator license (if flying internationally)
- Renter's Insurance
Last renewed: __/__/20__ Expires: __/__/20__

Pilot Self Assessment

- Illness: even a minor cold or seasonal allergies will impact judgement
- Medications: FAA approved? No distracting/dangerous side effects?
- Stress: low and well managed? **Do not fly if in doubt**
- Alcohol: > 8 hours (Greenville Aviation policy: 12), < 0.04% BAL, **not under the influence**
- Fatigue: **do not fly if in doubt**, hours of sleep last night: _____. Safe?
- Emotion: also impacts judgement; do not fly if unstable
- Eating/hydration: well fed and hydrated?

Squawks and Inop Equipment

Inoperative equipment checklist

- Equipment not required by §91.205, POH, or ADs
- Deactivated or removed with "inop" placard
- PIC determination the inop equipment does not interfere with flight safety



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Weight & Balance

Last Revised: 3/2/2022

Weight (lbs) x Arm (inches) = Moment (in-lbs)

Aircraft Empty Weight	1463.97	86.3298838	126384.36
Oil (15 lb max)		27.5	
Front Seat Occupants		80.5	
Rear Seat Occupants		118.1	
Baggage (200lb max)		142.8	
Zero Fuel Weight and CG		CG =	
+ Usable Fuel (288lb max)		95	
Full Fuel Weight		CG =	
- Fuel Used		95	
Takeoff Weight		CG =	
- Fuel Used		95	
Landing Weight		CG =	

Aircraft Performance

Departure Takeoff Distance to Clear 50 ft Obstacle	
Destination Takeoff Distance to Clear 50 ft Obstacle	
Cruise % Horsepower	
Cruise Gal/Hour	
Endurance at Top of Climb (Hours)	
Glide Range at Cruising Altitude of ft	
Departure Landing Distance to Clear 50 ft Obstacle	
Destination Landing Distance to Clear 50 ft Obstacle	

Conversions and Equations

Weight x Arm = Moment
 Total Moment / Total Weight = CG
 Cruise gal/hour x Fuel Remaining = Endurance

Fuel Weight = ~6 lbs/gal
 Oil Weight = ~1.875 lbs/quart

C.G. Range and Weight

