

## Piper Comanche Prepurchase Survey Checklist

**Note: This is not to be considered any sort of "Inspection".**

Date: \_\_\_\_\_ . Current Tach/Hobbs Time: \_\_\_\_\_ .

N \_\_\_\_\_ . Model: \_\_\_\_\_ . S/N: \_\_\_\_\_ .

Engine Model: \_\_\_\_\_ . S/N: \_\_\_\_\_ .

Engine Model: \_\_\_\_\_ . S/N: \_\_\_\_\_ .

Prop Model: \_\_\_\_\_ . S/N: \_\_\_\_\_ .

Prop Model: \_\_\_\_\_ . S/N: \_\_\_\_\_ .

### **GROUND RUN**

Check oil. Run up aircraft per AFM or checklist and note any deficiencies here or in the items below.

Mag drops: \_\_\_\_\_ .

Idle: \_\_\_\_\_ .

Idle mixture: \_\_\_\_\_ .

Fuel Selector and gages: \_\_\_\_\_ .

Engine monitor/Fuel flow: \_\_\_\_\_ .

Voltage during run: \_\_\_\_\_ .

Heater operation: \_\_\_\_\_ .

Perform avionics checks during run.

Radio transmission checks.

VOR checks.

GPS

Other:

**NOTES:**

**DOCUMENTATION**

Airworthiness certificate present and has correct N number: **YES/NO**

Flight manual with supplements:

- Standby vac
- Tip tanks/Fuel
- ELT
- Autopilot
- GPS
- Updated weight and balance
- Other: \_\_\_\_\_.

All Log Books present: YES/NO \_\_\_\_\_.

AD Listing present and complete? YES/NO \_\_\_\_\_.

Compiled STCs, 337s, yellow tags: \_\_\_\_\_.

Damage History? \_\_\_\_\_.

Last annual inspection: DATE \_\_\_\_\_ TIME \_\_\_\_\_ SHOP \_\_\_\_\_.

Last engine overhaul dates and times: (L) \_\_\_\_\_ . (R) \_\_\_\_\_.

Engine overhaul shop(s): \_\_\_\_\_.

Last prop(s) overhaul? (L) \_\_\_\_\_ . (R) \_\_\_\_\_.

Last VFR/IFR 24 month certification: \_\_\_\_\_.

ELT Battery due? : \_\_\_\_\_.

Last Heater decay test (Twin): \_\_\_\_\_.

**ENGINE**

Compressions: (Left or Single) 1-      2-      3-      4-      5-      6-

(Right) 1-      2-      3-      4-

Oil sample taken: YES/NO.      OIL TYPE: \_\_\_\_\_.

Hours since last oil change: \_\_\_\_\_.

Engine hoses: Condition and date \_\_\_\_\_.

Magnetos SLICK or BENDIX? Last overhaul/500 hr. inspection: \_\_\_\_\_.

Vacuum system/Last pump replacement: \_\_\_\_\_.

Fuel Sys./Carb./Servo/Pump: \_\_\_\_\_.

Alternator or Generator? Last overhaul: \_\_\_\_\_.

Prop governor(s). Last overhaul: \_\_\_\_\_.

Starter(s): Light weight or standard? Last replaced /overhauled: \_\_\_\_\_.

Exhaust system condition: \_\_\_\_\_.

Engine baffles condition: \_\_\_\_\_.

Oil Cooler: \_\_\_\_\_.

Engine mount condition and Lord mount condition: \_\_\_\_\_.

## **AIRFRAME**

### Landing gear

Last 1000 hour gear inspection/ side brace stud? : \_\_\_\_\_.

Motor/Last repair or overhaul: \_\_\_\_\_.

Jack aircraft and perform retractions. Note any abnormalities:

Transmission Type \_\_\_\_\_ . End Play \_\_\_\_\_.

Conduits: Original Piper or Webco? \_\_\_\_\_.

Electrical harness and limit switch condition \_\_\_\_\_.

Trunnions for cracks: \_\_\_\_\_.

Down lock springs (2 on NG): \_\_\_\_\_.

Brakes/hand brake/toe brakes/parking brake/ Linings/Disks/Leaks and operation: \_\_\_\_\_

\_\_\_\_\_.

Oleo strut tubes condition/leaks \_\_\_\_\_ . Pitted? \_\_\_\_\_.

Tire condition: \_\_\_\_\_.

Nose gear stop condition: \_\_\_\_\_.

Flaps and flap tracks/play/worn? : \_\_\_\_\_.

Stabilator condition/repairs/looseness: \_\_\_\_\_.

Stabilator horn inspection current/when next due? \_\_\_\_\_.

Fuel bladders/leaks? /when last replaced? \_\_\_\_\_.

Electric boost pump(s) last overhauled? \_\_\_\_\_.

Fuel drains. All are operational? **YES/NO**

Leaks? **YES/NO**

Fuel selector(s) functional on all tanks? **YES/NO**

Leaks? **YES/NO**

Look under instrument panel for general orderliness: \_\_\_\_\_.

Battery box/empennage/corrosion: \_\_\_\_\_.

Battery last replaced? DATE: \_\_\_\_\_.

Baggage door fit/seal condition: \_\_\_\_\_.

Cabin door fit, hinges, latch: \_\_\_\_\_.

Stall warning/indicator light/audible horn. All operational? **YES/NO**. \_\_\_\_\_.

Electrical check: Beacon/nav lights/strobes/landing lights/Pitot heat. All operational? **YES/NO**.

\_\_\_\_\_.

\_\_\_\_\_.

Internal Corrosion? : \_\_\_\_\_.

## **EXTERIOR**

Paint condition 1-10 and date last painted: \_\_\_\_\_.

Window condition: \_\_\_\_\_.

Sheet metal and plastics condition. Cracks/deformities/ hail? \_\_\_\_\_.

Control surfaces/patches? : \_\_\_\_\_.

Corrosion? : \_\_\_\_\_.

**INTERIOR**

Seats/upholstery condition 1 – 10: \_\_\_\_\_.

Headliner condition 1-10: \_\_\_\_\_.

Window trim/plastics/arm rests: \_\_\_\_\_.

Overhead console/trim handle: \_\_\_\_\_.

Seat belts and shoulder harnesses: \_\_\_\_\_.

Cockpit lighting/instrument lights: \_\_\_\_\_.

\_\_\_\_\_.

Required placards all present. Check flight manual and TCDS. : \_\_\_\_\_.

\_\_\_\_\_.

**AVIONICS**

Com Radios function/tuning (including decimals)

Nav radios function/tuning/VORs (if possible)

GPS. Last update: \_\_\_\_\_.

Autopilot function

Control yoke PTT, Auto disengage, trim

Intercom system

Engine monitor

Fuel totalizer function.

Primary engine gages.

Fuel gages.

Carb temp gauge

Engine Monitor

Standby vac

Breaker panel (everything properly labeled)

**MAINTENAINCE DEFERRED**

What's upcoming, due, or urgent?