DA40-G1000 (Ted Yin v0.7) Ground Operations

- ► Papers A.R.O.W.
- ▶ Throttle 1,000 RPM ▶ Mags. - start ► Controls - free & correct
- ▶ Oil Pressure 1,5 secs. Mags. - key out

  - ✓ Mixture idle cutoff
    - ▶ Throttle idle
- ▶ Electrical off
  - Essential Bus off Avionics - off
- ► Master on
- Fuel Pump check
- ▶ Fuel note
- ► Flaps check & set T/0 ► Lights/Pitot - test
  - ► Master off
- ► Hobbs Time note

ATIS - PFD/backup/AP(?) Fuel Totalizer - enter

- ► Canopy/Door check
- Fuel/0il test/sample
  - Caps/Drains/Vents

Check - TC/AI/HSI<->MC

Transponder - squawk

Radio - test

Brakes - release/test

Clearance - obtain

- Surfaces/Controls
- Stall Strips/Fairings
- Exhaust/Antennas
- Prop/Air Intakes x3
- Pitot/Static/Stall

▶ Parking Brake - set

Seat Belts - check Canopy/Door - lock Door Warning - off

- ▶ Gear/Tires/Brakes Ties/Chocks
- ▶ Final Walkaround

► Rudder Pedals - adjust )▶ Rear Door - secure

Alternate Static - check

AP - MET/HDG Trim - T/0

Instruments - scan

- ▶ Seat Belts
- ► Parking/Brakes test/set
  - · Circuit Brkrs. check ► Strobe (ACL) - on
- Avionics off
- · Fuel Selector least
- - ► Canopy pos· 1/2 ► Passenger - brief

Cycle Prop x3 - 250-500

Throttle - 2000 RPM

Mixture - rich Comm/Nav/VOR/FP

Alternate Air - check

Engine Inst. - check

Throttle - 1000 RPM

Idle Check

Mixture - lean

Mags. L/R - 1,75, 50.

- Mixture idle cutoff ▶ Prime
- Prop high RPM
- Friction adjust
  - Master Bat. on
    - Throttle 1.2"
- Electric Pump on
- ·Mixture 1-3 sec

- ·Mixture 3-5 sec · Throttle - 0.4"

"Prop (lear!"

Electrical - off

► ELT - check (1,21,-5)

Avionics - off

- ACL Strobes on
- Mags. off then both Throttle - 1000 RPM
  - Mixture idle cutoff
    - Tach Time note Mags. - key out

# Post-Flight

Volts/Amps - [25-30] [>0]

Engine Inst. - no Xs

Electric Pump - off

Master Alt. - on

► Master - off

► ADSB Handheld - of Tiedowns/Chocks Fuel Pressure - 14-35 psi

► Mixture - lean (peak)

Pitot Cover Gust Lock

▶ Flaps - UP, then T/0

Pre-Taxi

Lights - as required

Avionics - on/set

GPS - DB date

- Close Flight Plan
- ► Hobbs Time note Check Under Seats
- Canpoy/Door lock
- Post-Flight Walkaround
- Electric Pump off
- Mixture lean (full aft)
  - Throttle 1/2 position
    - When engine fires: ► Mags. - start
- Mixture rich (rapidly) ► Finish up normal start • Throttle - idle
- Flight Controls correct
- \_ \\ |- \\ |- \\ • Weights
- 2646/2535/2205/1.874 1bs  $V_9 = 7L/73/L8/L0$ 

  - Vy(T/0) = L7/LL/L0/54
  - $V_{y}(U_{p}) = 7L/73/L8/L0$
- Approach Speeds
- Up 76/73/68/60

GPS/Status Bar/Ann. Test

Hdg./Alt. Bugs

MFD Range/Track Up

Fuel Selector - fullest

- LDG 73/71/63/58 • T/0 - 74/72/Lb/59
- MÄM 40-227
- .yes lll @ 2284-2646 · no - 108 @ 2161-2535
  - below 2161/2284 94
- Lights as required ADSB Handheld - on

Flaps - UP  Throttle - 21-24"  Prop - 1800-2400 RPM  Mixture  Higher Power - richen  Economy: max EGT & <-75%  Best: 1800-655°C) lower  High Altitude - pump on  Flow Check (~15 min)  Flow Check (~15 min)  Flow Check (~15 min)  Flow Check (~15 min)  Flow Trim, Fuel (Switch tanks)  Mixture/Prop/Throttle  Flaps, Engine Inst.  Pump, Mag., Master  (HT: 150-400°F  Oil: 165-220°F	Pump - CHUL NATI  Pump - off  Lights - as required  Climb  T/O: Vy = 67-54 KIAS  LAB minus 1.AB per 100 lbs  under 28446  Cruise  Flaps - UP  Vy = 76-60 KIAS  Mixture - rich  >5000 hold const. EGT  Prop - 2400 RPM  Throttle - full  Engine Inst green  Trim - as required  High Altitude - pump on	
ump - off - off - off - obtain - off - open indows - open indows - open indoy - partially T lock/unlock during flight) Failure  ttor - fullest	Trim - as required Lights - as required Approach - 73-58 KIAS  Go Around  Throttle - full  Vy - b7-54 KIAS  Flaps - T/0  Safe Altitude  Prop - 2400 RPM  Pump - off  Lights - as required  Cruise Climb  Post-Landing  Throttle - 1000 RPM  Mixture - lean  Flaps - UP	Mixture - richen slowly Throttle - as required Prop - 1800-2400 RPM High Altitude - pump on CHT Cool Down <= 50°F(22.8°C) per min. Pre-Landing ATIX/Rwys & Patterns "CGUMPSF" G: Fuel Selector downwind/fullest M: Mixture - rich P: Prop - high RPM P: Pump - on S: Seat Belts - secure F: Flaps - as required T/0 <108 KIAS
	Stationary Restart  Airspeed >= &0 KIAS  Electrical - off  Avionics - off  Master - on  Mags start  No Restart  Fuel Selector - off  Mixture - idle cutoff  Mags off  Master - off  Master - off  Master - off  Cabin Heat - off  Emergency Descent	Mixture