

Shoreline Flying Club Multiengine Checkout Sheet

Pilots Name _____
Checkout Date _____
Date of last BFR _____ Date of current medical _____
Hours PIC _____ Hours ME PIC _____
Type A/C _____ N-Number _____

Engine make and model _____
Rated Horsepower _____ BHP at _____ RPM
Propeller Type _____
Max Gross Taxi Weight _____
Max Gross Takeoff Weight _____
Basic Empty Weight _____
Useful Load _____

V Speeds

Vso	_____	Vmc	_____	Vyse	_____	Vno	_____
Vxse	_____	Vy	_____	Vfe	_____	Vx	_____
Vlo	_____	Vle	_____	Vr	_____	Vne	_____
Va 4000 lb.	_____	Vs	_____	Vsse	_____		

Enroute climb speed _____
Final approach speed flaps down _____
Final approach speed flaps up _____
Demonstrated xwind component _____

Fuel / Oil System

Number of fuel tanks _____
Number of fuel drains / locations _____
Total useable fuel _____
Fuel Grade / Color _____
Oil Capacity _____
Min oil for flight _____
Oil Type _____

Electrical System

_____ volt battery _____ volt alternator / generator
Max continuous load in flight _____ Amps
Where is the battery? _____
Where is the external power receptacle? _____

Power Settings / Engine Care

Climb power setting: _____ " MP _____ RPM
Power setting for: 75% cruise at 8000 ft PA _____ " MP _____ RPM
During descent from cruise altitude, the engine should be "stage cooled" by reducing power
_____ " MP per _____ minute(s).
What approximate power setting should be used for traffic pattern entry?
_____ " MP _____ RPM

Cowl flaps should be OPEN/CLOSED:
During Taxi _____
During Climb _____
During Cruise _____
During Descent _____
After landing _____

Aircraft Performance

Use the following data to answer the questions:

Airport: KPAO, RWY 31
OAT 21° C
Altimeter 30.00"
Wind Calm
Loading: Two 185 lb. people in the front seats, full fuel, 50 lbs baggage

What is the gross weight of the aircraft? _____
What is the CG location? _____
What is the Accelerate / Stop Distance? _____
What is the distance to clear a 50 ft. obstacle _____

You lose an engine on takeoff. With perfect procedures, what is the expected Rate of Climb? _____
How far from the airport will you be when you get to 600 ft AGL? _____ NM
What is the best power cruise fuel flow at 65% power at 8000 ft. _____ GPH
What is the best power cruise fuel flow at 75% power at 8000 ft. _____ GPH
What is the landing distance over a 50 ft. obstacle? _____ Feet
In the previous question, if you were single engine, would the distance be longer or shorter? _____

On a normal takeoff at about 50 feet, just prior to retracting the gear, you lose an engine and decide to land straight ahead. Approximately how much runway would you need to stop? _____ Feet
How long is the runway at KPAO? _____ Feet
Given this knowledge, what airports might be better to practice engine failures on takeoff?

Instructor Name _____ Signature _____
CFI Number _____ Expiration Date _____
Pilot Signature _____ Date _____