



DIFFERENCES TRAINING

Variable Pitch Propellers

Student:

Item	Key Points	Complete: Instructor Initials
GROUND BRIEFING		
VP Prop design theory	Student to read VP propeller theory notes Review POH notes with student	
Operating Controls and Indications	RPM control operation RPM indications, MAP indications	
Flight Operation	CSU operating range Engine and Propeller operating limits Danger of RPM overspeed In flight use of RPM control and throttle	
FLIGHT EXERCISE		
Pre-flight checks	Need to exercise CSU during power checks	
Take Off and Climb	RPM setting after t/o	
GH	Decrease power = Reduce MAP, then set RPM. MAP vs RPM settings for cruise Flight planning: power settings Increase power = Increase RPM, then set MAP.	
Circuits	RPM setting for recovery / circuit flying RPM fully fine on final approach	
Engine Failure	Effect of windmilling prop on glide range Use of coarse pitch to increase glide range	
Prop Overspeed / CSU failure	Diagnose failure, plan, manage the engine	

Certified all Differences Training complete and student is competent to operate the aircraft.

Instructor

Date