

UNIT 1.13 – TWO STROKE ENDORSEMENT SYLLABUS

ELEMENT: 1. Two Stroke Engines

Flying Standard	Before Solo	Pilot Certificate	Inst Rating
1.1 Theory and Pre-flight			
• Basic theory of two stroke motors	3	2	1
• Describe the use of CHT and EGT gauges with relation to two stroke aeroplane operation	3	2	1
• Describe the difference between oil injection and pre-mixed two stroke fuel and lubrication	3	2	1
• Conduct pre-flight on engine with respect to fluid levels, type of oil and quantity in rotary valve lubrication system	3	2	1
1.2 In Flight Operation			
• Conduct start up with or without choke and/or primer	3	2	1
• Conduct engine idle at appropriate RPM to avoid engine rough running	3	2	1
• Conduct warm up and run up procedures IAW engine manufacturers' manual	3	2	1
• Conduct in-flight operation with special reference to in-flight monitoring of EGT, CHT and water temperature instruments	3	2	1
• Conduct high powered RPM operations with awareness of engine power band and immediate power delay in go-around situation	3	2	1
• Conduct low powered descents with regard to appropriate engine management practices	3	2	1
1.3 Refuelling			
• Conducts refuelling operation with due regard to engine's lubrication system. (Oil injected versus pre-mixed)	3	2	1
• Consideration of fuel colour differences (Oil injected versus pre-mixed)	3	2	1

-End of Two Stroke Endorsement Syllabus-