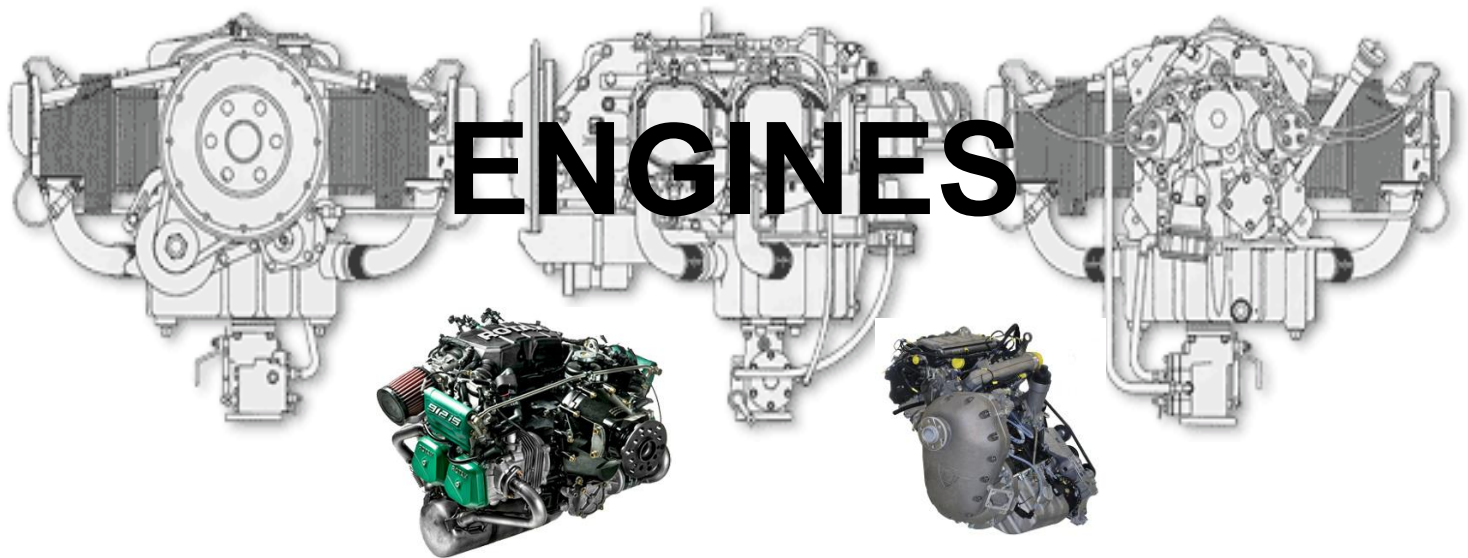


LOG-BOOK – 05

General Aircraft Type Practical Experience List of Tasks for Group 3 Aircrafts

Category B3



Name of Trainee: _____

Date of birth: _____

Engine Type Practical Experience List of Tasks for aircraft's of Group 3 (Category B3)



According AMC 66.A.45(f) Type/task training and ratings:

Type experience should cover an acceptable cross section of tasks from Appendix II. For the first aircraft type of each manufacturer group, at least 50% of the Appendix II tasks as applicable to the concerned aircraft type and licence category, should be performed. For the second aircraft type of each manufacturer group, this should be reduced to 30%. For subsequent aircraft types of each manufacturer group, this should be reduced to 20%.

General:

Maintenance tasks marked with **M** are **“Mandatory Task”** Mandatory Maintenance tasks must be performed by the applicant.
Maintenance tasks marked with **O** are **“Optional Task”** Optional Maintenance tasks are recommended to be performed by the applicant.

Block 01 General dates

Aircraft types:		Aircraft types:	
Aircraft registrations:		Aircraft registrations:	

Block 02 Engine dates

Engine Type	Engine Manufacturer	Engine Construction	Engine Part number

Block 03

Name of Maintenance Organisation	Approval reference number of Maintenance Organisation	Signature of accountable or technical manager

Block 04

Name of Supervisor	Name of Assessor	Position, Organisation, Approval No/ Licence Number	Signature sample	Assessment started (date)	Assessment completed (date)

Block 05 ATA 71 Power Plant

Date	Competence obtained	CAT	Trainee Signature	Supervisor Signature	Assessor Signature
M	Perform 100 hour engine check (general aviation aircraft). See Page 8: Note detailed each performed inspection.	B3			
M	Perform detailed introduction to gasoline piston engine according AMM or any other manufacturer information.	B3			

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M	Perform detailed introduction to diesel engine according AMM or any other manufacturer information.	B3			
M	Inspect/ replace/ install engine mounting.	B3			
M	Inspect/ replace/ install shock mounts.	B3			
M	Replace/ install engine according AMM or any other manufacturer information.	B3			
M	Inspect/ replace/ install engine drains/ breather lines.	B3			
M	Perform troubleshooting on gasoline piston engine i.a.w. AMM or any other manufacturer information.	B3			
M	Perform troubleshooting on diesel engine i.a.w. AMM or any other manufacturer information.	B3			
M	Perform conservation of engine i.a.w. AMM or any other manufacturer information.	B3			
M	Perform and Assist in engine start/ ground run.	B3			

ATA 72 Piston Engines

Date	Competence obtained	CAT	Trainee Signature	Supervisor Signature	Assessor Signature
M	Perform detailed introduction to engine systems according AMM or any other manufacturer information.	B3			
M	Perform detailed introduction to engine FADEC systems according AMM or any other manufacturer information.	B3			
M	Perform differential pressure inspection.	B3			
M	Perform compression check.	B3			
M	Perform leakage check on crankcase.	B3			
M	Perform penetrant inspection of cracks (according AMM and/or AC.43.13)	B3			
O	Perform boroscope inspection (according AMM and/or AC.43.13)	B3			
M	Check crankshaft run-out.	B3			
M	Perform internal corrosion check of crankshaft.	B3			
M	Replace/ check/ install cylinder.	B3			
M	Extract/ replace broken stud.	B3			
M	Check tappet clearance.	B3			
M	Install helicoil.	B3			
O	Inspect/ replace/ install accessory housings.	B3			
M	Perform engine ground run and adjustments (power verification)	B3			

Engine Type Practical Experience List of Tasks for aircraft's of Group 3 (Category B3)



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General:

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M	Perform at least one unscheduled maintenance inspection according AMM or any other manufacturer information. See Page 8: Note detailed each performed inspection. Example: Procedure for inspection following overspeed of engine.	B3			
M	Troubleshoot faulty system.	B3			
ATA 73 Fuel and control					
Date	Competence obtained	CAT	Trainee Signature	Supervisor Signature	Assessor Signature
M	Perform detailed introduction to fuel system according AMM or any other manufacturer information.	B3			
M	Check/ replace/ install engine driven pump.	B3			
M	Check/ replace/ install electric pump.	B3			
M	Inspect/ replace/ install fuel filter.	B3			
M	Check/ replace/ install primer system/ hoses/ lines.	B3			
M	Check/ replace/ install fuel hoses, tubing.	B3			
O	Check/ replace/ install fuel cooler.	B3			
M	Check/ replace/ install check carburetor/ injector.	B3			
M	Inspect/ drain carburetor float chamber.	B3			
M	Inspect carburetor internal fuel filter.	B3			
M	Check internal carburetor fuel primer system.	B3			
M	Check/ adjust carburation/ injection control linkage.	B3			
M	Check/ replace/ install fuel flow divider.	B3			
M	Inspect/ clean/ replace/ install injector nozzles.	B3			
M	Adjust mixture.	B3			
M	Adjust idle mixture.	B3			
M	Adjust primer system.	B3			
M	Synchronise carburetors.	B3			
M	Adjust injector system.	B3			
M	Troubleshoot faulty system.	B3			

Engine Type Practical Experience List of Tasks for aircraft's of Group 3 (Category B3)



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ATA 74 Ignition systems, piston

Date	Competence obtained	CAT	Trainee Signature	Supervisor Signature	Assessor Signature
M	Perform detailed introduction to ignition system according AMM or any other manufacturer information.	B3			
M	Inspect installation of engine ignition components.	B3			
M	Check/ replace/ install ignition sparkplugs.	B3			
M	Inspect/ clean/ adjust ignition sparkplugs.	B3			
M	Check/ replace/ install ignition harness.	B3			
O	Check/ replace/ install ignition harness fitting.	B3			
M	Inspect/ replace/ install magneto.	B3			
M	Check/ adjust basic timing of magneto.	B3			
O	Inspect/ replace/ install ignition vibrator.	B3			
M	Check/ replace/ install ignition switch.	B3			
M	Check/ replace/ install FADEC or LASAR	B3			
M	Check system bonding.	B3			
M	Establish/check reference RPM.	B3			
M	Troubleshoot faulty system.	B3			

ATA 75 Cooling

Date	Competence obtained	CAT	Trainee Signature	Supervisor Signature	Assessor Signature
M	Perform detailed introduction to cooling system according AMM or any other manufacturer information.	B3			
M	Check/ repair / install, inspect cooling baffles.	B3			
O	Inspect/ repair cowling.	B3			
M	Check/ repair / install cowl flaps.	B3			
O	Adjust cowl flaps.	B3			
M	Inspect/ replace/ install alternate air valve and air filter	B3			
O	Inspect/ replace/ install control air valve control cable.	B3			
M	Perform inspection of liquid cooling system i.a.w. AMM or any other manufacturer information.	B3			
M	Inspect/ replace/ install cooler.	B3			
O	Perform refilling of coolant.	B3			
M	Troubleshoot faulty system.	B3			

Engine Type Practical Experience List of Tasks for aircraft's of Group 3 (Category B3)



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ATA 76 Engine Controls

Date	Competence obtained	CAT	Trainee Signature	Supervisor Signature	Assessor Signature
M	Perform detailed introduction to engine controls according AMM or any other manufacturer information.	B3			
O	Check/ replace ECU.	B3			
M	Check/ replace/ rig RPM control.	B3			
O	Check/ replace/ rig fuel cut off lever/or mixture lever.	B3			
M	Check/ replace/ rig power lever.	B3			
M	Check/ replace/ rig propeller lever.	B3			
M	Seal firewall after replace of control cable.	B3			
M	Check control sync (multi-engine).	B3			
M	Check controls for correct assembly and locking.	B3			
M	Check controls for range and direction of movement.	B3			
M	Adjust pedestal micro-switches.	B3			
M	Check controls system. (Linkage)	B3			
M	Troubleshoot faulty system.	B3			

ATA 77 Engine Indicating

Date	Competence obtained	CAT	Trainee Signature	Supervisor Signature	Assessor Signature
M	Perform detailed introduction to engine indicating according AMM or any other manufacturer information.	B3			
M	Check/ replace/ install engine instruments.	B3			
M	Check/ replace/ install oil temperature bulb/ indicator.	B3			
O	Check/ replace/ install exhaust gas temperature bulb.	B3			
M	Check/ replace/ install oil pressure bulb, indicator.	B3			
M	Check/ replace/ install manifold pressure indicator.	B3			
M	Check/ replace/ install fuel flow indicator.	B3			
M	Check/ replace/ install RPM indicator.	B3			
M	Check sensors/ transducer (fuel, oil pressure, oil temperature, RPM).	B3			
M	Inspect/ replace/ install thermocouples.	B3			
M	Adjust thermocouples.	B3			
O	Check calibration of instruments.	B3			
M	Check marking of instruments according AFM and/ or AMM.	B3			
M	Inspect/ check/ replace wires/ cables/ lines.	B3			
M	Troubleshoot faulty system.	B3			

Engine Type Practical Experience List of Tasks for aircraft's of Group 3 (Category B3)



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ATA 78 Exhaust, piston

Date	Competence obtained	CAT	Trainee Signature	Supervisor Signature	Assessor Signature
M	Perform detailed introduction to exhaust system according AMM or any other manufacturer information.	B3			
M	Perform visual inspection on exhaust system.	B3			
M	Check, replace exhaust gasket.	B3			
M	Perform inspection of valve seat clearance.	B3			
M	Inspect welded repair.	B3			
O	Inspect welded exhaust components.	B3			
M	Check exhaust heater system.	B3			
M	Check exhaust hoses, tubing.	B3			
M	Pressure check cabin heater muff.	B3			
M	Perform damage classification on exhaust system.	B3			
M	Troubleshoot faulty system.	B3			

ATA 79 Oil

Date	Competence obtained	CAT	Trainee Signature	Supervisor Signature	Assessor Signature
M	Perform detailed introduction to oil system according AMM or any other manufacturer information.	B3			
M	Change oil/ check oil level.	B3			
M	Perform oil dilution.	B3			
M	Check / replace/ install oil filter.	B3			
M	Cut oil filter and perform visual inspection i.a.w. AMM and/or any other manufacturer information.	B3			
M	Inspect/ adjust pressure relief valve.	B3			
M	Inspect/ replace/ install oil tank.	B3			
M	Inspect/ replace/ install oil pump.	B3			
M	Inspect/ replace/ install oil cooler.	B3			
M	Clean oil cooler.	B3			
O	Inspect/ replace/ install firewall shut off valve.	B3			
M	Check/ replace/ install oil lines, tubing.	B3			
M	Perform bleeding of oil system.	B3			
M	Inspect chip detectors, magnetic plugs.	B3			
M	Troubleshoot faulty system.	B3			

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ATA 80 Starting

Date	Competence obtained	CAT	Trainee Signature	Supervisor Signature	Assessor Signature
M	Perform detailed introduction to starting system according AMM or any other manufacturer information.	B3			
M	Replace, inspect starter motor.	B3			
M	Perform inspection of starter gear and pinion.	B3			
M	Check starter gear clutch.	B3			
M	Inspect starter clutch.	B3			
M	Check/ replace/ install starter relay.	B3			
M	Check/ replace/ install start control valve.	B3			
M	Check cranking speed.	B3			
M	Inspect/ replace/ install starter disk.	B3			
M	Inspect/ repair faulty wiring.	B3			
M	Troubleshoot faulty system.	B3			

ATA 81 Turbines, piston engines

Date	Competence obtained	CAT	Trainee Signature	Supervisor Signature	Assessor Signature
M	Perform detailed introduction to turbine systems in piston engines (turbochargers) according AMM or any other manufacturer information.	B3			
M	Inspect/ replace/ install turbo-blower.	B3			
M	Inspect/ replace/ install heat shields.	B3			
M	Inspect/ replace/ install waste gate.	B3			
M	Check turbo compressor housing.	B3			
M	Check turbo compressor.	B3			
M	Check turbo compressor blades.	B3			
M	Check turbo compressor lubrication system.	B3			
M	Check turbo compressor regulation valve (west gate).	B3			
M	Adjust turbo compressor regulation valve (west gate).	B3			
M	Adjust density controller.	B3			
M	Perform troubleshooting on piston engine with turbines i.a.w. AMM or any other manufacturer information.	B3			

