50 Hour Check: Task Nos. 1 – 35

Cornwall Aviation Services Ltd

CAP 766 Task No.	Task Description	Task Nature	Task Interval
Ground Run			
1	Powerplant, liquid, air & gas systems for leaks during the following ground run.	INSP	All Checks
2	Instruments, systems & services. Radio for electromagnetic interference.	OP/C	All Checks
3	Following ground run, ensure that all cowlings, access panels & doors are secure.	CHECK	All Checks
Certification			
4	Workpack and logbook entries have been completed and certified. Ensure items due in accordance with CAP 543 or alternative document or system acceptable to the CAA have been accomplished and certified.	CHECK	All Checks
Type Certificate & Schedule Review			
5	Aeroplane complies with the type certificate data sheet.	CHECK	Annual
6	Mandatory placards are installed and are legible.	CHECK	Annual
Structural/Zonal			
7	External structure of fuselage, mainplane, empennage, cowlings, nacelles, control surfaces, flaps and other high lift devices.	INSP	50 FH 6 Months
8	Surface de-icer systems	INSP	50 FH 6 Months
9	Normal & emergency doors and windows, door hinges, door hinge attachment points, required placards and operating instructions.	INSP	50 FH 6 Months
10	Doors, hatches & window latching and locking	OP/C	50 FH 6 Months
11	Agricultural installations: Hopper, hopper lid, tank, pump, fan, boom, pipe runs, blower & spreader.	INSP	50 FH 6 Months
12	Agricultural installations: Emergency dump doors, fan brake and pump controls.	OP/C	50 FH 6 Months
13	Marine aeroplane: Hull, floats, spreaders, struts, bracing wires, water rudders, alighting gear and bilge compartments.	INSP	50 FH 6 Months
14	Marine aeroplane: Water rudder system.	OP/C	50 FH 6 Months
Landing Gear			
15	Landing gear assemblies, shock absorbers/strut units for leaks & correct extension, brake system, brake linings, drum/discs, wheels and tyres.	INSP	50 FH 6 Months
16	Tyre pressures, hydraulic brake system fluid levels.	SERVICE	50 FH 6 Months
Flying Controls			
17	Primary/Secondary flight controls and trim systems for full and free movement in the correct sense. Position indicators agree with surface movement.	OP/C	50 FH 6 Months

CAP 766 Task No.	Task Description	Task Nature	Task Interval
Liquid Air and Gas Systems			
18	Hydraulic, pneumatic, vacuum & other fluid systems.	INSP	50 FH 6 Months
19	Fluid levels in reservoirs & accumulator pressures.	SERVICE	50 FH 6 Months
20	Pitot/Static system vents, pitot head and drains clear. Pitot head correctly aligned.	INSP	50 FH 6 Months
Equipment and Environmental			
21	Correct stowage of equipment, validity of date on emergency equipment.	CHECK	50 FH 6 Months
22	Seats, belts/harness attachments, locking and releasing.	INSP	50 FH 6 Months
23	Fire extinguisher for leakage or discharge.	CHECK	50 FH 6 Months
Lubrication			
24	Lubricate aeroplane in accordance with type design organisation recommendations.	CHECK LUBE	50 FH 6 Months
Powerplant Installation			
25	Engine and propeller controls for full and free movement. Throttle, mixture, carburettor heat, cowl flaps and propeller pitch.	OP/C	50 FH 6 Months
26	Powerplant installation.	INSP	50 FH 6 Months
Air Induction			
27	Air filter, intake and induction system and turbocharger impeller.	INSP	50 FH 6 Months
Exhaust			
28	Exhaust manifold and muffler.	INSP	50 FH 6 Months
Engine Lubrication			
29	Magnetic plug	CHECK	50 FH 6 Months
30	Engine oil change. Oil filter. Screen. **Note:** In accordance with type design organisation recommendations. **Next Due:**	SERVICE	50 FH or see Note
Fuel System			
31	Filter for cleanliness and tank vents unobstructed. Drain samples from all drain points and check for presence of water, foreign matter & correct colour.	CHECK	50 FH 6 Months
Propeller			
32	Blades, spinner and backplate.	INSP	50 FH 6 Months
33	Accumulator dome pressure.	CHECK	50 FH 6 Months
Electrical System			
34	Battery, stowage/compartment, vents & drains. Electrolyte level.	INSP & SERVICE	50 FH 6 Months
35	Alternator/generator drive belt tension and condition.	INSP	50 FH 6 Months