

2. Aircraft Inspection:

In addition to the inspection schedule below the person inspecting this aircraft should also be conversant with the Periodic and Heavy Landing Inspection schedules in the RA-Aus Technical Manual and complete those inspections if relevant or necessary.

>>>Ensure warning placards are correctly affixed on 19-xxxx registered aircraft<<<<

Inspect condition and operation of the following: Acceptable? -Comment

- Registration numbers on underside of port wing and on appropriate vertical surfaces? Yes/No
- All structure for integrity, deterioration and alignment Yes/No
- Airframe coverings for strength, wear and damage. Yes/No
- All control surfaces for bearing wear, and free play. Yes/No
- All exposed lock nuts, fasteners and clevis pins. Yes/No
- All bracing, control wires and swages. King-post/struts. Yes/No
- All main spar and fuselage tubes for roundness, absence of dents, scratches and corrosion Yes/No
- All tube to tube attachment points for wear, bolt hole ovality and bolt condition. Yes/No
- Landing gear attachment points. Yes/No
- Landing gear for deformation, wear, pivot and bearing condition. Yes/No
- Wheels, wheel bearings, tyres and tread depth. Yes/No
- Visibility through the windscreen and security of attachment. Yes/No
- Instrument panel for security, protrusions and condition of Instruments. Yes/No
- Cockpit for padding around structure close to pilot's head. Yes/No
- Cockpit for sharp or loose objects. Yes/No
- Parachute attachment and clearance [if fitted]. Yes/No
- Parachute packing expiry date [if fitted]. Yes/No
- Seat belts for condition and attachment, anchorage points for wear & load path Yes/No
- Seat belt release mechanism under load of at least 20 kg Yes/No
- All control linkages for wear and smooth operation - no free play. Yes/No
- Rudder, aileron and elevator stops. Yes/No
- Identify and inspect repairs and confirm that repairs are recorded in the Log Book Yes/No
- Comment on any unacceptable aeronautical practices present Yes/No

Comments:

3. Power Plant and Propeller.

Engine make/model Serial Number.....

Propeller make/modelNo of Blades.....Serial Number.....

Actual engine hours [from log book] since last complete overhaul.....Total engine hours.....Tacho

Inspect condition and operation of the following: Acceptable? - Comment

- All engine to airframe attachment points. Yes/No
- Throttle cable and linkage security with attention to both ends. Yes/No
- Throttle cable condition, run-routing, curve profiles (no kinks) Yes/No
- Throttle stops at the engine and the throttle lever. Yes/No
- All elements of the cooling system specific to the type. Yes/No
- All ignition components and positive security of spark plug connections Yes/No
- Ignition kill switch and leads for corrosion, repeated correct operation and security. Yes/No
- Starter mechanisms for integrity and operation Yes/No
- Fuel filter type and condition. Yes/No
- Carburettor manifold and complete fuel system for air or fuel leaks. Yes/No
- Fuel pump and line attachment security. Yes/No
- Fuel tank and attachment points. Yes/No
- Fuel contents indicating system and placarding. Yes/No
- Fuel lines and primer bulb. Yes/No
- Engine instruments and sensors. Yes/No
- Exhaust: Cracks, holes and welds. Yes/No
 Movement in all flexible joints, spring effectiveness and integrity. Yes/No
 Spring safety wiring, exhaust spacing from flammable objects Yes/No
- Reduction drive: Belt condition, tension and bearing serviceability. Yes/No
- Gearbox oil level, oil leaks, mounting security. Yes/No
- Propeller: Driveline bearings, tracking, propeller nicks, cracks, delamination Yes/No
 Hub mounting bolts for correct torque and security. Yes/No
- Engine Run. Note that this is not a performance run - it is a functional run only (Tick or Comment)
 1. the engine will start and run normally ?
 2. no vibration of the engine, mounts or airframe while running ?
 3. no unusual noises emanating from the engine ?
 4. smoothness of running, acceleration and no tendency to misfire or run erratically ?
 5. fuel, coolant, induction and ignition and exhaust system integrity and function ?
 6. instrument functionality eg EGT, tacho, hourmeter ?
 7. propeller (and reduction system - if installed) function ?
- Identify and inspect repairs and that repairs are recorded in the Log Book Yes/No
- Note wear and comment on any unacceptable aeronautical practices present Yes/No

Comments

LEVEL 2 SIGNATURE

