



**1. Cowl Doors**

Battery switch . . . . . ON  
 Oil pressure and alternator lights . . . . . ON  
 Warning light test switches . . . . . Push to test  
 EMU (if installed) . . . . . Check status  
 Fuel quantity . . . . . Check gages  
 Battery switch . . . . . OFF  
 Aux fuel tank quantity . . . . . Check  
 Fuel filler cap . . . . . Tight  
 Aux fuel tank . . . . . No leaks  
 Fuel lines . . . . . No leaks  
 Fuel tank sump drain(s) . . . . . Sample  
 Gearbox oil . . . . . Full, no leaks  
 Rotor brake . . . . . Actuation normal  
 Flex coupling . . . . . No cracks, nuts secure  
 Yoke flanges . . . . . No cracks  
 Gearbox Telatemp . . . . . Normal  
 Sprag clutch . . . . . No leaks  
 Static source . . . . . Clear  
 Control rod ends . . . . . Free without looseness  
 Steel tube frame . . . . . No cracks  
 All fasteners . . . . . Secure  
 Tail rotor control . . . . . No interference  
 Cowl doors . . . . . Latched

**2. Engine Right Side**

Carb air ducts . . . . . Secure  
 Carb heat scoop . . . . . Secure  
 Engine sheet metal . . . . . No cracks  
 Electrical terminals . . . . . Tight  
 Fuel line . . . . . No leaks  
 Oil cooler door . . . . . Check  
 Oil lines . . . . . No leaks or chafing  
 Exhaust system . . . . . No cracks  
 Engine general condition . . . . . Check  
 V-belt condition . . . . . Check  
 V-belt slack . . . . . 1.5 inches (4 cm) maximum  
 Sprag clutch . . . . . No leaks  
 Upper bearing . . . . . No leaks  
 Telatemp – upper bearing . . . . . Normal  
 Upper Sheave Condition . . . . . Check  
 Lower sheave groove wear . . . . . Smooth and uniform  
 Flex coupling . . . . . No cracks, nuts secure  
 Yoke flanges . . . . . No cracks  
 Steel tube frame . . . . . No cracks  
 Tail rotor control . . . . . No interference

**3. Engine Rear**

Cooling fan nut . . . . . Pin in line with marks  
 Cooling fan . . . . . No cracks  
 Fan scroll . . . . . No cracks  
 Teletemps – lower bearing . . . . . Normal  
 Lower bearing . . . . . No leaks

**4. Empennage**

Tail surfaces . . . . . No cracks  
 Fasteners . . . . . Secure  
 Position light . . . . . Check

**5. Tail Rotor**

Gearbox Telatemp . . . . . Normal  
 Gearbox . . . . . Oil visible, no leaks  
 Blades . . . . . Clean and no damage/cracks  
 Pitch links . . . . . No looseness  
 Teeter bearings . . . . . Check condition  
 Teeter bearing bolt . . . . . Does not rotate  
 Control bellcrank . . . . . Free without looseness

**6. Tailcone**

Skins . . . . . No cracks or dents  
 Strobe light condition . . . . . Check  
 Antenna . . . . . Check

**7. Engine Left Side**

Engine oil . . . . . 4-6 qt  
 Oil filter (if installed) . . . . . Secure, no leaks  
 Fuel lines . . . . . No leaks  
 Gascolator drain . . . . . Sample  
 Throttle linkage . . . . . Operable  
 Battery and relay (if located here) . . . . . Secure  
 Alternator belt tension . . . . . Check  
 Steel tube frame . . . . . No cracks  
 Engine sheet metal . . . . . No cracks  
 Exhaust system . . . . . No cracks  
 Engine general condition . . . . . Check

**8. Main Fuel Tank**

Quantity . . . . . Check  
 Filler cap . . . . . Tight  
 Leakage . . . . . None

**9. Main Rotor**

**CAUTION**

Do not pull down on blades to teeter rotor. To lower a blade, push up on opposite blade.

Blades . . . . . Clean and no damage/cracks

**CAUTION**

Verify erosion on lower surface of blades has not exposed skin-to-spar bond line. Reference Rotor Systems description in Section 7 of the Pilot's Operating Handbook.

Pitch change boots . . . . . No leaks  
 Main hinge bolts . . . . . Cotter pins installed  
 All rod ends . . . . . Free without looseness  
 All fasteners . . . . . Secure  
 Swashplate scissors . . . . . No excessive looseness

**10. Fuselage Left Side**

Baggage compartment . . . . . Check  
 Removable controls . . . . . Secure if installed  
 Collective control . . . . . Clear  
 Seat belt . . . . . Check condition and fastened  
 Door . . . . . Unlocked and latched  
 Door hinge safety pins . . . . . Installed  
 Landing gear . . . . . Check  
 Position light . . . . . Check

**11. Nose Section**

Pitot tube . . . . . Clear  
 Windshield condition and cleanliness . . . . . Check  
 Landing lights . . . . . Check  
 Yaw string . . . . . Check

**12. Fuselage Right Side**

Landing gear . . . . . Check  
 Position light . . . . . Check  
 Door hinge safety pins . . . . . Installed  
 Baggage compartment . . . . . Check