

AIRCRAFT INSPECTION REPORT

PILOT NAME Waldo Cavender PHASE 1 _____ PHASE 2 X OIL ANALYSIS _____
 MAKE/MODEL 182Q N# 735KF TTAF 15742.7 SMOH 837.9 STOH _____

COMPRESSION TEST #1 80/ 74 #2 80/ 74 #3 80/ 74 #4 80/ 74
 #5 80/ 74 #6 80/ 74

PHASE 1 EVERY 150 HOURS (ENGINE & PROPELLER)

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|---|-------------------------------------|---|-------------------------------------|
| 1. Preflight engine | ☒ | 20. Visually inspect vacuum pump & lines for missing nuts, cracked pump flanges & security | ☒ |
| 2. Run-up engine to warm-up & check: | ☒ | 21. Inspect crankcase breather tubes & clamps for obstructions and security | ☒ |
| A. Magnetos for RPM & ground out | ☒ | 22. Inspect crankcase for cracks, leaks and missing nuts | ☒ |
| B. Mixture & throttle controls for operation & ease of movement | ☒ | 23. Inspect engine mounts for cracks or loose mountings | ☒ |
| C. Propeller control for operation and ease of movement | ☒ | 24. Inspect engine baffles for cracks, security and foreign objects | ☒ |
| D. Engine idle for proper RPM | ☒ | 25. Inspect wiring for security, looseness, broken wires & condition of insulation | ☒ |
| E. Carburetor heat or alternate air | ☒ | 26. Inspect firewall & firewall seals & cables | ☒ |
| F. Alternator under a load | ☒ | 27. Inspect alternator belt for proper tension and fraying | ☒ |
| G. Vacuum system for output | ☒ | 28. Inspect alternator & starter for security and safety of nuts and bolts | ☒ |
| H. Engine temperatures within proper operating range | ☒ | 29. Inspect brake fluid for level & proper type | ☒ |
| I. Engine & electrical fuel pumps for fuel flow or oil pressure | ☒ | 30. Lubricate engine controls: Propeller, mixture, throttle | ☒ |
| J. Fuel selector in all positions for free and proper operation | ☒ | 31. Inspect alternate air source "door" or carburetor heat to ensure when "door" is closed it has a good seal. Check door operation | ☒ |
| 3. Remove engine cowling. Clean and inspect for cracks loose fasteners or damage | ☒ | 32. Reinstall engine cowling | ☒ |
| 4. Check engine oil for quantity & condition | ☒ | | |
| 5. Inspect oil temperature sensing unit for leaks, security & broken wires | ☒ | | |
| 6. Inspect oil lines & fittings for condition leaks & security & evidence of chafing | ☒ | | |
| 7. Inspect oil cooler for condition (damage, dirt & air blockage), security, leaks & winterization plate if applicable | ☒ | | |
| 8. Clean engine | ☒ | | |
| 9. Remove, clean, regap & inspect spark plugs for wear | ☒ | | |
| 10. Inspect magnetos for security, cracks, broken wires and insulation | ☒ | | |
| 11. Inspect ignition harness for chafing, cracked insulation & cleanliness | ☒ | | |
| 12. Check cylinders for loose or missing nuts & screws, cracks around cylinder hold-down studs & for broken cooling fins | ☒ | | |
| 13. Check rocker box covers evidence of oil leaks & loose nuts or screws | ☒ | | |
| 14. Replace air filter | ☒ | | |
| 15. Inspect air inlet ducts for condition (no air leaks, holes, etc.) | ☒ | | |
| 16. Inspect intake seals for leaks (fuel stains) and clamps for security | ☒ | | |
| 17. Check condition of priming lines & fittings for leaks (fuel stains) & clamps for security | ☒ | | |
| 18. Inspect condition of exhaust stacks, connections, clamps, gaskets, muffler and heat box for cracks, security, condition and leaks | ☒ | | |
| 19. Inspect condition of fuel lines for leaks (fuel stains) and security | ☒ | | |

PROPELLER

- | | |
|--|-------------------------------------|
| 1. Spinner & back plate for cracks & looseness | ☒ |
| 2. Blades for nicks and cracks | ☒ |
| 3. Hub for grease or oil leaks | ☒ |
| 4. Bolts for security and "safetizing" | ☒ |

PHASE 2 WINGS - EVERY 300 HOURS

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| 1. Wing tips for cracks loose rivets & security | ☒ |
| 2. Position lights for operation | ☒ |
| 3. Aileron flap hinges & actuators for cleanliness | ☒ |
| 4. Aileron balance weights for cracks & security | ☒ |
| 5. Fuel tanks, caps & vents & placards for quality & type of fuel | ☒ |
| 6. Pitot & pitot static for security & obstruction | ☒ |
| 7. Rotating beacon for security & operation | ☒ |
| 8. Stabilizer & control surfaces, hinges, linkages trim tabs, cables & balance weights | ☒ |
| 9. Control hinges for appropriate lubrication | ☒ |
| 10. Static parts for obstructions | ☒ |

AIRCRAFT IS APPROVED FOR RETURN TO SERVICE

IA or A&P SIGNATURE & CERTIFICATE #

Ernie Howell

DATE: 12/2/2014

NOTE:

1. A&P WITH IA AUTHORIZATION WILL PERFORM ANNUAL INSP.
2. ENGINE INSPECTED EVERY 150 HOURS
3. WINGS AND TAIL INSPECTED EVERY 300 HOURS