



1416.3

PISTON POWER™

THE CLEAR APPROACH TO PISTON AIRCRAFT MAINTENANCE

Pre-Enrollment Engine Review Checklist for Repair Station Performing Engine Review

A/C Registration #: N245DS Engine Serial #: L35585-51E Prop Serial #: 070365 Agreement #: _____

* Please initial or check mark each item as completed. List details/finding on a separate page.

- ✓1. Ground run to warm up engine for compression check.
2. During ground run check idle speed, oil pressure and perform magneto check. Record results:
 - A. Idle speed: 720 B. Oil Pressure: Green Arch
 - C. Magneto RPM drop: Left: 125 Right: 125
- ✓3. Remove Cowling from "warm" engine
4. Compare Engine Serial Number to Logbook
- ✓5. Complete a Magneto Timing Check 21 + 21
- ✓6. Check for oil leaks
- ✓7. Check cylinders for cracks in prone locations and around spark plug bosses
- ✓8. Check engine case for cracks
- ✓9. Check oil breather system for obstructions
- ✓10. Check compression using differential method. If Continental engine obtain master orifice reading before compression test: Compression results:

#1 <u>76</u>	#2 <u>75</u>	#3 <u>76</u>	#4 <u>77</u>	#5 _____	#6 _____
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- ✓11. Take oil sample and send to lab. Oil sample should be Blackstone Labs sample kit, fill out paperwork completely please. If unable to complete paperwork for sample completely please contact AEPC® for assistance.
- ✓12. Cut oil filter open and check for unusual metal or other contamination. If metal is found place filter media in zip lock bag. Contact AEPC for further instructions.
- ✓13. Install new oil filter.
- ✓14. Reinstall cowling.
- ✓15. Check oil level.
- ✓16. Check for compliance of applicable Airworthiness Directive, Inspection for continued Airworthiness & Service Bulletins for the aircraft and installed Equipment. Engine only.
17. Attach a copy of all logbooks (Airframe, Engine, Prop and Ballistic Recovery System, if applicable)
18. Current Time: Airframe: 1416.3 Engine: 1100.3 Prop: 1100.3
19. When this checklist is complete please scan and email in PDF format to: techsupport@pistonpower.com
20. Please list notes and findings on a separate page.

Note: AEPC® may request a borescope inspection and possibly a valve guide inspection depending on engine condition and compression check readings:

Signature: [Signature]

Name: Kevin Piemo Airframe Power Plant Certificate #: AIP 5343185 JD

Repair Station Name: _____ FAA Repair Station #: _____

Date: 10-23-2020