



AEPC®
PEER® (Pre-Enrollment Engine Review)

Checklist for Repair Station Performing Engine Review
AEPC® Contract Number: _____

A/C Registration #: _____ Engine Serial #: _____

* Please initial or check mark each item as completed. List details and/or finding at bottom of 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:
Idle speed: _____
Oil Pressure: _____
Magneto RPM drop: Left: _____ Right: _____
 3. Remove Cowling from “warm” engine
 4. Compare Engine Serial Number to Logbook
 5. Complete a Magneto Timing Check
 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 _____ #2 _____ #3 _____
#4 _____ #5 _____ #6 _____
 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.
- AEPC® may request a borescope inspection and possibly a valve guide inspection depending on engine condition and compression check readings.

- When this checklist is complete please scan and email in PDF format to:
peer@aepe.aero.
- AEPC would also like a signed PDF copy of any log entry and the completed invoice emailed to the above address.

Notes: