



# **ENGINE LOG BOOK**



5. Release the

#### 4-2.3.4. Flight Check

##### Specification

Full Throttle Speed +/- 25 RPM  
Idle Speed +/- 25 RPM  
Unmetered Fuel Pump Pressure (Idle) (psi)  
Metered Full Power Fuel Pressure  
Unmetered Fuel Pump Pressure (Full Power) (psi) (reference)  
Oil Temperature  
Oil Pressure (min.-max.)  
Magnetos Drop/Spread  
Cylinder Head Temperature

##### Altitude Leaning Schedule

Pressure Altitude (set altimeter to 29.92)

##### Sea Level

1000

2000

3000

4000

5000

6000

8000

10000

12000

14000

Dividing the charted fuel

IO-550 Permold Series E  
31 August 2011

## Aircraft Engine Test Verification

This document verifies that the engine model listed below has satisfactorily completed all testing listed below in accordance with CM standard engine testing specifications as approved by the FAA.

Engine Model

R-10550B77B

Engine Serial Number

1049205

Testing Completed

Standard Acceptance Test:

Date of Completion 6-6-25 Test Operator Cory Wilkerson



Continental Motors, Inc.

Form No 98344

**USE ONLY FUEL SPECIFIED IN OPERATOR'S  
MANUAL OR TYPE CERTIFICATE DATA SHEET  
USE OF AUTOMOTIVE FUEL IS PROHIBITED**



FAA PRODUCTION CERTIFICATE NO. 508

Engine Model: IO-550-B77B | Serial Number: 1049205

This engine was rebuilt by Continental Aerospace Technologies, Inc. in accordance with design data for this engine and the applicable requirements of the Federal Aviation Regulations and the applicable requirements of the Federal Aviation Regulations and the applicable requirements of the Federal Aviation Regulations.



THE OIL PRESSURE ON THIS ENGINE WAS ADJUSTED DURING THE ENGINE ACCEPTANCE TEST AT THE FACTORY. ONLY MINOR ADJUSTMENTS MAY BE NECESSARY TO ASSURE THE PROPER INDICATION ON THE COCKPIT GAUGE.

FACTORY SETTINGS:

RPM 2745 OIL TEMP 192 OIL PRESSURE 49.6

OIL PRESSURE PICK UP POINT: MAIN OIL GALLERY BETWEEN #2 AND #4 CYLINDERS

655305 Rev. C

# Engine Log

Premier Aviation, LLC



Continental Motors, Inc.

DATE	MAKE/MODEL	HOUR METER	SMOH	TOTAL TIME	SERIAL NUMBER
8-16-25	TCM IO-550-B	4745.93	---	0.0	1049205

Complied with 100 hr inspection in accordance with FAR 43 Appendix D and TCM Service Manual.

- Installed this factory rebuilt engine on aircraft N6125J S/N E-1949. Installed upgraded engine under STC SA2200SW using installation instructions No. 71-20-00 dated 10/20/1988. Installed required air baffling kit under STC SA368CH with kit P/N DW-200A-01/02 Rev. 2 S/N 240311-02 using installation instructions DSP-IM95-1. Installed engine to airframe using new vibration mounts P/N 7351231-3 with new AN7-36A bolts and lock nuts. Drained factory preservative oil from engine and added 13 qts Phillips 20w-50 Type M oil. Performed engine fuel system setup per TCM SID97-3G instructions. Adjusted propeller governor to 2700 rpm at takeoff power settings. Installed new engine limitations file for EI MVP-50 engine monitor / gauges. Installed overhauled alternator on engine with new gasket.
- No AD's due at this time.
- Performed engine post-run and no leaks found.

I certify that this engine has been inspected in accordance with a 100 hr. inspection and has been determined to be in an airworthy condition.

Signed

*Wyatt Honomichl*

Wyatt Honomichl

A&P 3234036

# Engine Log

Premier Aviation, LLC



Continental Motors, Inc.

DATE	MAKE/MODEL	HOUR METER	SMOH	TOTAL TIME	SERIAL NUMBER
9-8-25	TCM IO-550-B	4756.24	---	10.31	1049205

- Drained oil and added 11 qts Phillips 20w-50 XC oil. Removed oil filter and checked for contamination - None Found. Installed new Champion CH48109-2 filter.
- Adjusted high side fuel pressure down to correct value.
- Performed post-run leak check and no leaks found

Signed

*Wyatt Honomichl*

Wyatt Honomichl

A&P 3234036

# Engine Log

Premier Aviation, LLC



Continental Motors, Inc.

DATE	MAKE/MODEL	HOUR METER	SMOH	TOTAL TIME	SERIAL NUMBER
10-9-25	TCM IO-550-B	4745.93	---	23.52	1049205

- Drained oil and added 11 qts Phillips 20w-50 XC oil. Removed oil filter and checked for contamination - None Found. Installed new Tempest AA48109-2 filter.
- Removed #3 fuel injector, cleaned, and reinstalled.

Signed

*Wyatt Honomichl*

Wyatt Honomichl

A&P 3234036