

PERIODIC INSPECTION COMPLIANCE

CERTIFICATION	TOTAL TIME	DATE	SIGNATURE OF CERTIFICATED MECHANIC OR REPAIR FACILITY
6-4-2013 / Hobbs 116.8 ① compression test as follows #1 $7\frac{1}{8}$ #2 $7\frac{1}{8}$ #3 $7\frac{1}{8}$ #4 $7\frac{1}{8}$ ② AD on through 13-10. I certify that this engine was inspected I saw an Annual Insp & found air worthy. Returned to Service.			
7-12-2014 Hobbs 116.8 ① compression test #1 $7\frac{1}{8}$ #2 $7\frac{1}{8}$ #3 $7\frac{1}{8}$ #4 $7\frac{1}{8}$ AD on through 2021-12. I certify that this engine was inspected & I saw an Annual Inspection and found air worthy.			

ENGINE LOG

YEAR		RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
MO.	DAY					
Executive Air Maintenance, Inc, 11675 Airport Way, Hanger B-11D, Broomfield CO 80021 303-466-3771 RIGHT ENGINE / PROPELLER DATE 04-05-2004 N4009Y HOBBS TIME 683.3 ENG TSO 1844.3 PROP TSO 1884.3 AFTT 5083.3 COMPLIED WITH A ANNUAL INSPECTION IAW FAR 43 APPENDIX D AND A PIPER CHECK LIST WASHED ENGINE COMPLIED WITH ROUTINE SERVICING IAW PIPER / LYCOMBING SERVICE GUIDES CHECKED ALL CONTROLS NO DEFECT NOTED CHECKED HOSES AND WIRES FOR SECURITY CLEANED GAPPED AND TESTED ALL SPARK PLUGS NO DEFECT NOTED COMPRESSION TEST 73-78-77-71 OVER 80 ADJUSTED PROP GOVERNOR REPLACED INDUCTION AIR FILTER REMOVED MAGNETOS 500 HR INSP REPLACED POINT SET TIMING INSTALLED NEW GASKET SET TIMING TO ENGINE 25 DEG IAW PLACARD LUBED STARTER 50 HR REPLACED GREASE IN PROP HUB CHECKED PROP HUB AND SPINNER FOR DEFECTS NONE NOTED SERVICED HUB WITH NITROGEN IAW PLACARD FILED NICKS FROM BLADES COMPLIED WITH AD 02-26-01 CLOSED UP ENGINE AND PROP RAN ENGINE NO DEFECTS NOTED NO SIGN OF FLUID LEAKS NOTED SEE AIRFRAME LOGS FOR MORE DETAILS ON ANNUAL INSPECTION THIS TIME AND DATE I CERTIFY THAT THIS ENGINE / PROPELLER HAS BEEN INSPECTED IAW A ANNUAL INSPECTION AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION AT THIS TIME STEVEN T BUSH [REDACTED] [REDACTED]						

CARRY TOTAL TIME TO TOP OF NEXT PAGE

CHALLENGER AVIATION

1321 Grand Oaks Drive
Howell, MI 48843
(517) 548-1665

June 18, 1982

Lycoming IO-320 Bia Serial # L-909-55
Tach Time 3239

Engine completely dissassembled for Major Overhaul.
All parts checked for cracks by Magnaflux or Zy-Glow.
All oil passageways cleaned, new sludge tubes installed.

Replaced following parts with factory new parts:

Pistons	P/N 75089
Exhaust valuses	P/N 74541
Tappets	P/N 78290
Main Bearings	LW 10124, 13884
Rod Bearings	P/N 61662
Rod bolts & nuts	P/N 78027 LW 12186
Piston Rings	P/N 3601-A1
Value Guides	
All Seals Gaskets,	
Lock Rings	
Intake Hoses	
Oil Drain Hoses	
Prop Seal	
Oil Pump Gears	

Clylinders Overhauled, Value seats ground, Crank Shaft polished (standard size). Fuel Injector Overhauled by Michigan Aviation. Starter, Generator Overhauled. Mags reworked and timed. Installed new spark plugs and Ignition Harness. Engine installed on Piper PA-30 N-4009Y with new Lord Mounts.

C/W Service Bulletin on Crankcase Dowels.
C/W All Service Bulletins on Fuel Injector.

William Bertrand

AS-F

OIL PUMP GEARS ARE ALUMINUM AND
STEEL AD81-18-WR2 DOES NOT APPLY

ENGINE LOG

YEAR 1981

DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATIONS

Certificated mechanics or repair facilities must endorse all inspections and repairs with name, rating & Cert. No.

MO. DAY

8/22

Changed oil - cleaned screens 50wt det added

3144:21

TACH 3239

6/15/82 ENGINE REMOVED AND MAJOR OVERHAUL PERFORMED

INSTALL NEW VALVES, PISTONS, RINGS, ALL NEW BEARINGS
& SEALS OVERHAUL STARTER + GENERATOR, OVERHAUL

FUEL INJ. SYSTEM INSTALL NEW PLUGS AND HARNESS
NEW TAPPETS

ALL STEEL PARTS MAGNETIZED FOR CRACKS
CLIPS REMARKED ENGINE RE-INSTALLED WITH

NEW LORD MOUNT ENGINE RUN-UP AND

FLIGHT CHECK

I CERTIFY THIS ENGINE HAS BEEN

INSPECTED I/A/W A 100 HR INSPECTION

AND DETERMINED TO BE IN AIRWORTHY

COND

[REDACTED]