N7086W

Pacific Continental Engines Inc.

O-360-A3A
S/N L-6066-36
OVERHAULED 9-7-02 @1546.1 TACH

VAN NUYS, CALIF. 91406
CERTIFIED STATION 4595

N72-R

ENGINE LOG BOOK

4910

3/26/2023 N180LR Tach hours: 2095.3 ESMOH: 2095.3 ETT: 5340.3

- Changed oil and filter. Serviced with 7 quarts of XC20W-50 and AA48110-2 filter.
- Cylinder compression test values: #1 77, #2 77, #3 80, #4 77 / 80
- Cleaned and tested spark plugs. Reinstalled and torqued with new gaskets.
- Removed right hand magneto. Opened up and inspected. Replaced gear kit P/N ES10-357584. Set E-gap and reinstalled with new gaskets. Magnetos timed to engine at 25* BTDC.
- Performed ANNUAL INSPECTION and 100 hour INSPECTION of engine and propeller as defined by 14 CFR appendix D to part 43. Engine and propeller found to be airworthy at this time.

Justin Dix A&P 3347687 IA _____ 336-514-2724

DA						INSPECTION REFERENCE DATA
BI FW						
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TOTALS	:	:	:	All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with		

DATE						
BRT. FWD.						

1/25/2023 N180LR Tach hours: 1895.1 ESMOH: 1895.1 ETT: 5140.1
- Changed oil and filter. Serviced with 6 quarts of XC20W-50 and AA48110-2 filter.
- Cylinder compression test (leakage) values: #1 78, #2 79, #3 60, #4 79 / 80
- Cleaned and tested spark plugs. Reinstalled and torqued with new gaskets.
- Replaced engine control mounting clamps.
- Replaced loose alternator mounting hardware with correct hardware.
- Replaced valve cover gasket on #2 cylinder.
- Replaced oil drain valve P/N CCB-37000.
- Removed engine driven fuel pump to repair broken cooing shroud. Shroud was repaired by welding. Fuel pump was reinstalled with new gasket.
- Replaced damaged RH mag leads with used set.
- Resurfaced cylinder exhaust flange on cylinder #3. Reinstalled aft exhaust with new exhaust gaskets.
- Removed vacuum pump and replaced adapter oil seal P/N 06A19956. Reinstalled vacuum pump with new gaskets.
- Removed both mags. Opened up and inspected. Replaced breaker points on RH mag with like-new set P/N TCM-0202. Set E-gap and reinstalled with new gaskets. Magnetos timed to engine at 25* BTDC.
- Replaced all rubber engine mounts P/N J-7402-24.
- Verified AD 98-02-08 Crankshaft failure not applicable to this engine by verifying PID stamped on crankshaft flange. No further action required.
- Performed ANNUAL INSPECTION and 100 hour INSPECTION of engine as defined by 14 CFR appendix D to part 43. Engine found to be airworthy at this time.
Justin T. Dix A&P 3347687 IA

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TOTALS	:	:	:	All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.		

DATE	

02/05/2023 N180LR Tach hours: 1911.3 Hobbs: 5225.8
- Flew aircraft from GSO to W78 and found that there was an intermittent variation in power of engine. All gauges normal, mag check normal, starting normal
- Upon investigation, found #2 cylinder to be missing one exhaust nut and the exhaust pipe flange to be slightly away from the cylinder - Replaced exhaust gaskets on #1 and #2 cylinders with new 77611 gaskets, replaced missing nut and installed new washers on #1 and #2 cylinder exhaust studs.
- Test ran engine and had very rough transition up to run up RPM and low EGT indication on #2 cylinder.
- Removed valve cover on #2 cylinder and found the valve spring on the intake valve to be broken. Installed serviceable valve spring and reassembled
- Installed new EGT probe on #2 cylinder PN 10-00830
- Performed test flight and returned plane to KGSO
Justin T. Dix A&P 3347687 IA

3/10/2023 N180LR Tach hours: 1994.7 ESMOH: 1994.7 ETT: 5239.7
- Changed oil and filter. Serviced with 7 quarts of XC20W-50 and AA48110-2 filter.
- Cylinder compression test (leakage) values: #1 75, #2 64, #3 63, #4 75/ 80
- Cleaned and tested spark plugs. Replaced three spark plugs with new UREM38E. Reinstalled and torqued with new gaskets.
- Removed #3 cylinder due to unservicable exhaust flange. Installed repaired Lycoming cylinder from Triad Aviation, P/N LW12425. SN 73550 Installed with new gasket set. Work was performed in reference to Lycoming Service Manual.
- Replaced #1 and #3 cylinder intake hose P/N 69603. Replaced #1 and #3 oil drainback tubing P/N STD1821.
- Replaced carb heat cable with new P/N MC63902-002.
- Replaced lower carb heat shroud P/N A63723-002.
- Performed ANNUAL INSPECTION and 100 hour INSPECTION of engine and propeller as defined by 14 CFR appendix D to part 43. Engine and propeller found to be airworthy at this time.
Kenton Good A&P 3701376 IA

Sept 1-2022

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.		:	:			
	:	:	:			
	:	:	:			
	:	:	:			
	:	:	:			
	:	:	:			
	:	:	:			
TOTALS	:	:	:			

Tac: 1697.4: 4942.2 Annual inspection using IA w FAA part
43 Appx-D: Inspection Form. CKed oil Filter + Oil 6 qts
CKed gascolator: Per STC SA010226SE. AD 98-02-08 inspected
Crankshaft Corrosion Due - Sept 1-2027. Normal -
Compression ①: 70/80 ② 71/80 ③ 70/80 ④ 72/80 - CKed Muffler CK Mag timing 25°
BTC. Engine washed Down + Ran - No Leaks -

DATE 9-1-2022 T.T. IN SERVICE 4942.2
I CERTIFY THAT THIS Engine HAS BEEN INSPECTED
IN ACCORDANCE WITH A Annual INSPECTION AND
WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
Ronald P [illegible] IA
2076[illegible]

All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.

11/04/2022 N180LR TACH: 1796.4 Hobbs: 5086.4

- Serviced spark plugs and installed new gaskets P/N 07-01798
- Changed oil and filter. Serviced with XC-20W50 7 quarts and AA48110-2 filter
- Replaced 07-03061 72059 Lycoming oil level gage gasket.
- Removed cowling, propeller, exhaust, starter, carburetor and oil sump. Replaced LW-13353 Lycoming Oil Sump Gasket.
- Reinstalled oil sump, carburetor, starter, exhaust system, propeller, cowling and test ran engine
- Performed 100 hour INSPECTION of engine and propeller as defined by 14 CFR appendix D to part 43. Engine and propeller found to be airworthy at this time.

Justin T. Dix A&P 3347687 IA [signature] 336-514-2724

1/25/2023 N180LR Tach hours: 1895.1 PSMOH: 1576.5

- Performed ANNUAL INSPECTION and 100 hour INSPECTION of propeller as defined by 14 CFR appendix D to part 43. Propeller found to be airworthy at this time.

Justin T. Dix A&P 3347687 IA [signature]

DATE 2020	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.	Feb: 3	:	:			
TT.	4932.8	:		Annual inspection Changed oil + Filter		
Tac	1697.8	:		CK AD-99-24-10. Vacuum Pump Normal		
	:			Compression ① 71/80 ② 73/80 ③ 75/80 4 75/80		
	:			Clean gasolator Per STC SA01026SE		
	:			Wash Engine + Pan CK muffler normal		
	:	:	:			
	:	:	:			
	:	:	:	DATE Feb 3 2020 T.T. IN SERVICE 4932.8		
	:	:	:	I CERTIFY THAT THIS Engine HAS BEEN INSPECTED		
	:	:	:	IN ACCORDANCE WITH A Annual INSPECTION AND		
	:	:	:	WAS DETERMINED TO BE IN AIRWORTHY CONDITION		
	:	:	:	Ronald R Nichols		
	:	:	:	IA 2076281		
TOTALS	:	:	:	All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.		

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
2021	TT 4942.0 TAC 1697.3
May 1	CKeck oil + Filter. CK gasolator Per STC SA01026SE
	Normal - Compression Test 1 79/80 2 71/80 3 79/80 4 73/80
	CK Standby vacuum - Per manufactor Spec. Normal
	Rotated Plugs - wash Engine Valve + Test Run
	No Leaks -
	DATE 2021 May 1 T.T. IN SERVICE 4942 —
	I CERTIFY THAT THIS 1697.3 HAS BEEN INSPECTE
	IN ACCORDANCE WITH A Annual INSPECTION AN
	WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
	Ronald R Nichols
	2076281

DATE 2016	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.	:	:	:	Drain Oil. Removed filter Replaced		
T.T	4932.8	:	:	7qts Philips 20/50wt Replace oil filter		
TAC	1687.8	:	:	Champion CH48110-1. Clean gascolator Per		
	:	:	:	STC · SA01026SE. wash Engine Down		
				Compression ck ① 70/80 ② 74/80 ③ 74/80 ④ 75/80		
				ck standby vacuum Per manufacture spec.		
				Cleaned/gap & Rotated Plugs		
				① AD 98-02-08 Crankshaft Corrosion		
				② AD 99-24-10 Vacuum pump Normal		
				DATE 11-15-2016 T.T. IN SERVICE 4932		
				I CERTIFY THAT THIS Engine HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 hr INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.		
				Ronald R. Horbaly 2076281 A&P		
TOTALS	:	:	:			

All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
	① AD 98 02 08 CW Crank Normal
	②
	This is to certify that this Aircraft and Powerplant and Propeller have been inspected in accordance with a annual inspection and was found airworthy. Tac 1687.8 Total Time Aircraft 4932.8 Ad Check 16 20 TT Eng 4932.8 TT Prop UNK Time since eng ovl 1687.8 Time Since Prop ovl 1369.2
	Franklin C. Wilson IA 1589043 Irondale, Ohio 43932 330-532-2819
	Franklin C. Wilson 15 NOV 2016

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.	:			This is to certify that this Aircraft and Powerplant and Propeller have been inspected in		
	:			accordance with a annual inspection and was found airworthy. Tac 1548.8 Total Time		
	:			Aircraft 4793.8 Ad Check 14-17 TT Eng 4793.8 TT Prop UNK		
	:			Time since eng ovl 1548.8 Time Since Prop ovl 1230.2		
	:			Franklin C. Wilson IA 1589043 Irondale, Ohio 43932	330-532-2819	
	:	:				
	:	:	6 SEP 14	Franklin C Wilson		
	:	:	:			
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TOTALS	:	:	:	All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.		

Hobbs 4865.3

DATE 2015	TAC 1606.4 MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
9-18	100h inspection Compression ck ① 72/80 ② 71/80 ③ 74/80 4 75/80
	Changed oil 6 qt Philips 20/50 W & filter. Cleaned fuel Pump gasolator &
	safty - washed engine Down - ck mag timing - Engine Test Ran
	no Leaks - CK Standby Vacuum - Per manufacture Spec.
	AD 76-07-12 - Test per Ad. AD 98-02-08 Crankshaft
	inspection Due 2016, AD 2005-12-06 - impluse Coupling Due -
	Tac time 1726 - AD 99-24-10 - Standby VAC. CK AD 70-16-05
	Muffler normal. CK AD 95-26-13 c/w Replace Tac time 5365 TAC.

DATE 10-2-2015 T.T. IN SERVICE 4865.3
I CERTIFY THAT THIS ~~Aircraft~~ Engine HAS BEEN INSPECTED IN ACCORDANCE WITH A 100h. INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
Ronald R [illegible] 2076281

DATE 10-2-2015 T.T. IN SERVICE 4856.3
I CERTIFY THAT THIS Engine HAS BEEN INSPECTED IN ACCORDANCE WITH A annual INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
[illegible] 178600 IA

TT 4791.3 Engoverhaul 1548.8

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
	TAC 1548.8 Engine TT 4791.3
2014	Aug 16 - 100 hr Inspection - Compression Test ① 74/80 ② 75/80 ③ 74/80 ④ 76/80
	Replaced Primer Line, Clean & Rotated Plugs, Wash Engine Down. Installed
	New gasolator P/N C) Leak ck. tighten Rubber intake tube
	Ck Mag timing, Engine Test Ran & is in Satisfactory condition
	AD-98-02-08 Crankshaft insp. Due 2016.
	AD-99-24-10 Inspected. Standby VAC.
	AD 96-12-07 → Superseded by 2005-12-06. Impulse Coupling Due at TAC →
Time	1726) Mag Switch Test Per AD 76-07-12
	Ronald R. Kelly

DATE Sept 1 2014 T.T. IN SERVICE 4791.3

I CERTIFY THAT THIS Engine HAS BEEN INSPECTED IN ACCORDANCE WITH A Annual INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE Sept 1 2014 T.T. IN SERVICE 4791.3
I CERTIFY THAT THIS Engine HAS BEEN INSPECTED IN ACCORDANCE WITH A 100hr INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
Ronald R. Kelly

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
	~~6-29-2014 F~~
	6-29-2014
	TACK Time - 1547.75
	HOBBS - 4801.1
	Drained O.L
	Replaced with Phillips 20W50 6 Qrts
	Replaced Filter Tempest AA48110-2
	ground RAN engine No Leak Found
	END
	A+P 2076281 Ronald R. Rubab

TT Eng 4755.9

DATE	Tac 1513.9 MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
2013 Sept 18	Found No. 4 cylinder Crack. Replaced with Millennium cylinder SL36006N-A20 366N-H13-4258 Kit contains New Parallel Cylinder. head, barrel, valves, valve seats, Valve Guides, Piston, rings + gasket Kit. (Superior Air Parts) Installed + Torque Per Lycoming + Put 7qts 80wt Non detergent Oil - Ground Run for 10 min 1000RPM - 10min 1200RPM - 10 min 1500RPM - next 1800RPM ck mags + for Oil Leaks - No Leaks - Installed using Superior air parts - Overhaul Manual O-360 Series + Lycoming overhaul Manual - — End
	Ronald R Kukalo A+P 2076281
Oct 20-2013	Installed New Carb Heat Scat hose
	Ronald R Kukalo A+P 2076281

DATE 2013	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.	Tac: 1486.9: Installed New Muffler P/N 19482-02 P/N PIM0002					
3-10	: started engine no Exhaust leaks - Engine Ran full power					
	Ns: Power loss — End					
Hobbs 4729.6	:		Ronald R Henkele ATP 2076281			
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TOTALS	:	:	:	All repairs, inspections, alterations must be endorsed by a certificated mechanic...		

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
	(1) RIGHT MAG SET TO 25° BTC
	(2)
	This is to certify that this Aircraft and Powerplant and Propeller have been inspected in accordance with a annual inspection and was found airworthy. Tac. 1501.5 Total Time Aircraft 4744.5 Ad Check 13 /2 TT Eng. 4744.5 TT Prop UNK
	Time since eng ovl 1504.5 Time Since Prop ovl
	Franklin C. Wilson IA 1589043 Irondale, Ohio 43932 330-532-2819
	2 Jul 2013 Franklin C. Wilson

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.	:	:	:			
2/04/12	:	:	4670	Drained Oil, Replaced Filter, Refilled		
	:	:	:	with 8 quarts 20W50 IAW		
	:	:	:	Piper Service Manual.		
	:	:	:	Mx		
	:	:	:	A&P 280867683		
	:	:	:			
	:	:	:			
	:	:	:			
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	:	:	:			
	:	:	:			
TOTALS	:	:	:	All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.		

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
	Date6-20-2012 Tach4685 ,1443 SMOH
	Inspected engine in accordance with the scope and detail of part 43 APP.D and was found to be in airworthy condition.
	Compressions (1) 78-80 (2)78-80 (3)76-80 (4)68-80 Oil filter opened and checked, fuel strainer cleaned. No debris found.New oil filter installed, Added 6 Quarts. of oil Cleaned, gapped and rotated sparkplugs.New air filter installed.
	Complied with the following AD's.
	AD2012-03-07, HA6 Carb,Does not apply, Cast body
	See AD compliance list IA3142885
	Engine test ran and returned to service.
	I certify that this engine has been inspected IAW a annual inspection and found to be in airworthy condition.
	Martin Dofka III IA3142885

Page 1

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.	:	:	:			
5/25/2011	:	:	:			
TACH 4612.0	:					

Annual Inspection 1370.4 TSMOH 3917.8 TTEM
changed Oil and Filter, Filled with Phillips 20W-50
XC. Cleaned and gapped spark plugs Comp #1 68/80, #2 69/80
#3 61/80, #4 60/80: Cleaned Suction Screen. C/W AD 2005-
12-06 Bendix Impulse Coupling by Inspection. No Defects Noted
Due in 500 hours. Installed New Distributor Gear in
Left Magneto. C/W AD 98-02-08 Crankshaft Inspection
by Dye Penetrant Inspection. No Defects Noted. Due in
3 years or Next Crankshaft Removal. AD 2004-26-12 Cylinder
Head Cracks Does not apply due to No ECi Cylinder
assemblies Installed. C/W AD 99-24-10 Precise Flight

TOTALS	:	:	:	All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.		

(Cont)

Page 2

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
5/25/2011	4612.0 TTAF
	Standby Vacuum by Inspection of Throttle Valve,
	Control Cable and Saddle Fitting. No Defects
	Noted. Due Next Annual. I Certify that this
	Engine has been inspected in accordance
	with an Annual Inspection and found to
	be Airworthy at this time.
	[illegible signature]
	IA 3453613

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.	~~10/20/10~~	:	:			
	10/7/10	Tach	reads:	4576 333 ENG. Drained oil	and added 8 qts of	
	:	:	:	Phillips 20W-50. Cut Filter	and inspected for metal	
	:	:	:	(None Found). Ground ran	engine noted no leaks	
	:	:	:	Ryan C Paul 2881886CFI	- Commercial Pilot	Cert #
	:	:	:			
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TOTALS	:	:	:	All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, ratin...		

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
	Date: 01/19/2011 Aircraft: PA 28 N180LR Serial Number: 28-872 Tach. Time: 4601 Removed vacuum pump and installed new Sigma-Tek vacuum pump, model number 1U128-006 P/N 10128-006. Ground ran engine & adjusted Vacuum to 5.0 in./hg at max static RPM. Drained engine oil and added 8 quarts of Phillips 20W-50 oil. Installed new oil filter, part number CH48110 Leak checked engine. No defects noted. Jerry G. Dew A&P 2182362 IA Jerry G. Dew

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.						

10/1/09 TACH READS 4434 HRS. PERFORM 100 HR. INSPECTION.
COMPRESSION TEST: 1-75/80, 2-72/80, 3-48/80 4-70/80. CHANGE OIL,
FILTER, CLEAN SUCTION SCREEN, ADD PHILLIPS 20W-50 XC OIL.
CLEAN & GAP SPARKPLUGS, REMOVE MAGNETOS, RESET 'E' GAP
AND CONTACT POINTS TO SPECIFICATIONS, REINSTALL MAGS WITH
NEW GASKETS & TIME TO 25° BTDC. CLEAN FUEL SCREENS,
DRAIN CARBURETOR FLOAT BOWL. REPLACE ALTERNATOR BELT AND
INDUCTION AIR FILTER ELEMENT. INSTALL NEW RH EXHAUST CLAMP
ON R/H COLLECTOR P/N 43725-000. POST GROUND RUN UP SATISFACTORY
-END.

I certify that this ENGINE has been inspected
in accordance with 100 hr. inspection and
was determined to be in airworthy condition.
Date 10/1/09 W.O. #
Total Time 1192.4 SMOH
Signed [signature] A&P [illegible]

All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
5-7-2010	Tach reads. 4937 hrs. Perform 100 hour inspection. Drain oil, inspect filter, oh. Add Phillips X/C 20W50. Compression test: #1 72/80 #2 74/80 #3 72/80 #4 67/80. Install new [illegible] sparkplugs. Removed. Check magneto timing. Clean eff. fuel screen. Reseal #3 rocker cover. Inspect exhaust system. Degrease engine and cowlings. Ground run engine ok. END

I certify that this 100 hour has been inspected
in accordance with ______ inspection and
was determined to be in airworthy condition.
Date ______ W.O. # ______
Total Time ______
Signed ______
A&P ______

I certify that this Engine has been inspected
in accordance with 100 hour inspection and
was determined to be in airworthy condition.
Date 5-7-2010 W.O. #
Total Time 4937 1293 SMOH
Signed [signature]
A&P [illegible]

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.						
4/30/2009				Tach reads 4332 perform 100 hr inspection IAW Fairport 43 appendix D compression test #1 70/80 #2 78/80 #3 72/80 #4 69/80 Replace #2 cylinder with Gibson aviation overhauled steel cylinder assigned travel # 6112508-6 assembly includes serviceable piston & pin, new ring seals and gaskets. Drain oil and Replace filter, clean oil suction screen cut oil filter and inspected for metal (none found) add Phillips 20W50 Type M for break-in: clean and gap spark plugs check mag timing, timing at 25° clean fuel strainer and drain float bowl. Wash engine Ground run satisfactory. - End.		
TOTALS						

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

Date 4/30/2009 W.O. #

Total Time 1090.4

Signed Joseph Reid

A&P 3112998

All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.

I certify that this ____ has been inspected in accordance with ____ inspection and was determined to be in airworthy condition.

Date ____ W.O. # ____

Total Time ____

Signed ____

A&P ____

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
7/14/2009	Tach reads 4363 C/W AD 95-26-13 Replaced oil cooler hoses with part # 124F001-8CR0460 Type (D) hoses from Precision Hose Technology. AD 95-26-13 next due on 7/14/2017 or at 5363 tach time (whichever occurs first). End Joseph Reid A&P 3112998
7/14/2009	Tach reads 4363 drained oil and added 8 qts of Phillips 20/50 XC cut oil filter and inspected for metal contamination (none found) ground ran engine and noted no leaks. Joseph Reid A&P 3112998

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.	:	:	:			

11/07/2008 Performed 100 hr inspection IAW Far part 43 appendix "D" compression test #1 77/80 #2 72/80 #3 68/80 #4 78/80. Change oil and filter add Phillips XC 20W50 clean oil suction screen. Clean and gap spark plugs Replace points on left mag, Installed servicable capacitor. Checked point gap and lubed cam on right mag. Set ignition timing at 25° B.T.C. Clean fuel screens and Drain carb float bowl. Replaced exhaust clamps L/H side on muffler. Washed engine ground run satisfactory - End

This aircraft has been inspected In accordance with 100 hr inspection and was determined to be in airworthy condition.
Date 11/07/2008 W.O. #
Total Time 966.45 SMOH
Signed Joseph Reid
A&P 3112998

TOTALS	:	:	All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS

3/4/2009 Tach reads 4279 hrs Drained oil and replaced oil filter add Phillips XC 20W50 Cut and inspected oil filter for metal (none Found) Ground ran engine and inspected for leaks. (None found) - End

Joseph L Reid
A&P 3112998

ENG. 1/c bbs 1068

4/4/09. TACH READS 4310 HRS. REMOVE AND REPLACE #2 CYLINDER ASSY WITH O'HAULED UNIT FROM GIBSON AVIATION CR# AV2R704K. ASSY INCLUDES STEEL CYLINDER ASSY, SERVICABLE PISTON, NEW RINGS, SEALS, GASKETS, PISTON PIN PLUGS, SERVICABLE PISTON PIN. PHILLIPS 20W-50 TYPE M OIL INSTALLED FOR BREAK-IN. POST MAINTENANCE RUN UP CHECK OK - END

[illegible]
AP-2210423

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.	:	:	:			
8/17						
	:	:	:			
	:	:	:			
	:	:	:			
	:	:	:			
	:	:	:			
	:	:	:			
~~TOTALS~~	:	:	:	All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.		

STICK ON ENTRY REMOVED AND INSTALLED ON PROPER PAGE THIS DATE

STICK ON ENTRY TO THIS PAGE MADE IN ERROR SEE PAGE DATED 8-17-04 FOR CORRECT ENTRY

Dirk Rum
A&P 1511500 IA

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
4/1/08	TACH READS 4005 HRS. PERFORM 100 HR INSPECTION IN ACCORDANCE WITH APPENDIX 'D' OF PART 43. COMPRESSION TEST 1-74/80, 2-78/80, 3-76/80, 4-76/80. CHANGE OIL, FILTER, ADD PHILLIPS 20W-50 XC. CLEAN OIL SUCTION SCREEN, CLEAN & GAP SPARKPLUGS CHECK MAGNETO TIMING. CHECK POINT GAPS LUBE POINTS. CLEAN ALL FUEL SCREENS, DRAIN CARBURETOR FLOAT BOWL. REPLACE EXHAUST STUD # 3 CYL EXHAUST PORT. INSTALL NEW EXHAUST TAIL PIPE ASSY. SILICONE LUBE STARTER BENDIX. ENGINE WASHED DOWN GROUND RUN UP SATISFACTORY - END.

I certify that this ENGINE has been inspected
In accordance with 100 HR inspection and
was determined to be in airworthy condition.
Date 4/1/08 W.O. # ______
Total Time 762.7 SMOH
Signed [illegible]
A & P 2220423

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.	:	:	:			
3-3-08	Tach 3920		:	Drain oil, inspect filter. Service w/ 20W50 Phillips. Ground run [illegible]. END		
	:	:	:			
	:	:	:	[signature]		
	:	:	:	A[illegible] 7K50896		

7/23/08 TACH READS 4110 HRS: PERFORM 100HR INSPECTION IN ACCORDANCE WITH APPENDIX "D" OF PART 43. COMPRESSION TEST 1-76/80, 2-76/80, 3-77/80, 4-76/80. CHANGE OIL, FILTER; CLEAN SUCTION SCREEN, ADD PHILLIPS 20W-50 X/C OIL. CUT + INSPECT OLD FILTER - NO METAL FOUND: CLEAN + GAP SPARKPLUGS CHECK MAGNETO TIMING LUBE CONTACT POINT ASSY'S: CLEAN ALL FUEL SCREENS, MAIN STRAINER, DRAIN CARBURETOR FLOAT BOWL; VISUAL INSPECTION OF EXHAUST SYSTEM + ALL ACCESSORIES. POST MAINTENANCE GROUND RUNUP SATISFACTORY - END.

	:	:	:			

OVER →

TOTALS	:	:	:	All repairs, inspections, alterations must be endorsed by a certificated mechanic or r...		

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
	I certify that this ENGINE has been inspected In accordance with 100HR inspection and was determined to be in airworthy condition.
	Date 7/23/08 W.O.#
	Total Time [illegible]
	Signed [signature]
	A&P 2220973

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.	:	:	:			
3-27-07	Tach	reads	3789	Perform 100Hr inspection. Compression		
	:	:	:	test #1 74 #2 68 #3 78 #4 75. Drain oil		
	:	:	:	inspect filter. Service with Aeroshell.		
	:	:	:	Repair baffles crack in cowling.		
	:	:	:	Clean and gap sparkplugs. Clean fuel		
	:	:	:	Screens. Check magneto timing. Wash		
	:	:	:	engine. Ground run OK		
	:	:	:			
	:	:	:			
	:	:	:			
	:	:	:			
	:	:	:			
	:	:	:			
	:	:	:			
TOTALS	:	:	:			

I certify that this Engine has been inspected
In accordance with 100Hr inspection and
was determined to be in airworthy condition.
Date 3-27-07 W.O. #
Total Time 546.7 SMOH
Signed [signature]
A&P 4[illegible]745086

All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
10-16-07	Meter reads 3864 Drain oil, inspect filter. OK Ground run OK
	[signature] A/P 4574508[illegible]
11/30/07	TACH READS 3898 HRS. PERFORM 100 HR INSPECTION IN ACCORDANCE
	WITH APPENDIX "D" OF PART 43. COMPRESSION TEST: 1-71/80, 2-73/80, 3-75/80, 4-76/80
	CHANGE OIL, FILTER, ADD AEROSHELL 80. CLEAN OIL SUCTION SCREEN.
	CLEAN + GAP SPARKPLUGS RETIME RIGHT MAGNETO. REMOVE LEFT MAGNETO.
	ADJUST POINTS + E GAP. REINSTALL WITH NEW GASKET AND TIME TO SPEC. CLEAN
	FUEL SCREENS, DRAIN CARBURETOR FLOAT BOWL. TENSION ALTERNATOR BELT.
	SILICONE LUBE STARTER BENDIX. PERFORM VISUAL INSPECTION OF EXHAUST SYSTEM.
	ENGINE WASHED, GROUND RUNUP SATISFACTORY END.

I certify that this Engine has been inspected
In accordance with 100 hr inspection and
was determined to be in airworthy condition.
Date 11/30/07 W.O. #
655.7 SMOH [signature] AP 2220[illegible]
Total Time

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.	:	:	:			

7-26-06 Tach reads 3050 Drained oil, inspect filter, ok. Add Aeroshell 15W50. Ground ok. Ew
Bryan Smith A/P 445745086

9-1-06 Tach reads 3696 Perform 100 hour inspection. Compression test #1 75/80 #2 74/80 #3 74/80 #4 76/80
Drain oil, inspect filter and low suction oil screen ok. Replace induction air filter
Clean and gap sparkplug. Clean fuel screens. Comply w/ SB 645 Bendix magneto impulse coupling inspection. Inspect contacts
Reinstall magneto and time to engine

TOTALS	:	:	:			

All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
9-1-06	Tach 3696 Service engine W 8qts Aeroshell 15W50. Ground run, ok Ew
	I certify that this Engine has been inspected in accordance with 100 hr inspection and was determined to be in airworthy condition. Date 9-1-06 W.O. # Total Time 3696 1537 SMOH Signed Bryan Smith A&P 445745086
12-15-06	Tach reads 3746 Drain oil inspect filter. Ground run, no leaks Ew Bryan Smith A/P 445745086

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.	:	:	:			
1-30-06	Tach	3550	:	Drained oil, inspect filter, add Aeroshell 15W50		
	:	:	:		Bryan Smith	
	:	:	:		A&P 445745086	
	:	:	:			
	:	:	:			
	:	:	:			
	:	:	:			
	:	:	:			
	:	:	:			
	:	:	:			
	:	:	:			
	:	:	:			
TOTALS	:	:	:	All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.		

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
4-10-06	Tach reads 3597 Perform 100 hour inspection.
	HOBBS 354.7 Compression test: #1 72/80 #2 76/80 #3 74/800
	SMOH 354.7 #4 75/80. Drain oil, inspect filter, add
	Air HOBBS 3597 Aeroshell 15W50. Clean fuel screens. Clean
	and gap sparkplugs. Inspect muffler and
	exhaust. Retorque #3 exhaust flange.
	Retime right magnetos. Replace induction air
	filter - Retorque fuel fitting at strainer
	assembly.

I certify that this Engine has been inspected
In accordance with 100 Hr inspection and
was determined to be in airworthy condition.

Date 4-10-06 W.O. #

Total Time 3597

Signed Bryan Smith

A&P 445745086

DATE	GROUND TIME		INSPECTION REFERENCE DATA
2005		5-12-05, N180LR, S/N 28-872, TACH 1719.03, SMOH 172.93	
BRT. FWD.	:	Following warm up flight, engine was un-cowled, and engine oil drained. Removed oil filter	
	:	and cut open to check for contamination (no contamination or particles found). Removed sump	
	:	screen and inspected for contamination (none found). Reinstalled with new MS35769-21 crush	
	:	washer and safety wired. Installed new oil filter Champion P/N Ch48110-1, torqued in	
	:	accordance with filter instructions and safety wired. Performed compression check as follows:	
	:	cyl. # 1-77/80, #3-77/80, #4-78/80, #2-78/80. Installed new field approved (337 on file and in	
	:	aircraft records) Gates alternator belt P/N 9335HD. Inspected engine mount, landing gear	
	:	attachment, baffles, hoses and accessories. Cleaned spark plugs and set gap to .020 reinstalled	
	:	plugs with new soft gaskets and torqued to 30 ft. lbs. Serviced with 8 qts. Aeroshell 80 non	
	:	detergent mineral oil. Ran engine and inspected for oil leaks (none found). Verified that there	
	:	are no outstanding Ad's and last AD list is current and no new Ads against the aircraft have	
	:	been issued. Checked and reset timing to 25° BTC. Mag drop was less than 75 RPM on Both	
	:	mags. Re-cowled engine and performed test flight to verify engine performance (including	
	:	static RPM) within specs.	
	:		
	:	The engine has been inspected in accordance with a 100 hour/annual inspection and found to be	
	:	airworthy and approved for return to service.	
	:	Richard T. Russ	
	:	Richard T. Russ	
		A&P 1511500IA	
TOTALS			rtificated

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
7/26/05	REMOVED TACHOMETER FOR INSTALLATION OF A GPI-EDM 930.
	HOBBS TIME WAS SET AT 188.9 HOURS TO REFLECT TIME ON
	ENGINE SINCE MAJOR OVERHAUL. EDM NOW REFLECTS TIME SMOH.
	R Russ A&P 1511500IA.
8-2005	Hobbs 214.4 SMOH
	DRAINED OIL AND REMOVED OIL FILTER FOR INSPECTION. FOUND NO
	CONTAMINATION IN FILTER. INSTALLED A NEW CHAMPION FILTER
	P/N CH48110-1. REPLENISHED OIL WITH 7 QTS AEROSHELL 15W-50W
	DETERGENT OIL.
	THIS ENGINE HAS BEEN SERVICED IN ACCORDANCE WITH THE
	MANUFACTURES RECOMMENDATIONS AND IS CONSIDERED AIRWORTHY

DATE 2004	GROUND TIME	TIME	[illegible]AL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.	:	:	:			
8/17/04						
	:	:	:			
	:	:	:			
	:	:	:			
	:	:	:			
	:	:	:			
	:	:	:			
TOTALS	:	:	:	All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.		

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N180LR **Lycoming** **O-360-A3A**

17 August 2004 **Tach Time: 1682.4**

Removed old alternator. Installed overhauled / exchange unit, P/N: 3656624, S/N: E070701. Unit installed using original hardware and new safeties. Reinstalled forward cowling and propeller. Propeller torqued to 65 ft/lb's and safetied. Ground run operational check of charging system satisfactory. END.

L. John Wells

L. John Wells A&P523116767 w/o 21060

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
10-12-04	DRAINED ENGINE OIL AND REMOVED FILTER AND SUMP SCREEN FOR
TACH	INSPECTION. FILTER WAS CUT OPEN AND EXAMINATED FOR CONTAMINATION -
1690.01	NON FOUND. SUMP SCREEN WAS INSPECTED AND FOUND CLEAN. SCREEN WAS
	REINSTALLED WITH NEW MS35769-21 COPPER CRUSH WASHER, TORQUED AND SAFETIED.
	INSTALLED A NEW CHAMPION CH48110-1 OIL FILTER AND TORQUED TO 17 FT LBS
	SERVICED WITH 8 QTS AERO-shell 80 NON-DETERGENT OIL. ENGINE WAS RUN TO
	Check For Oil Leaks AND NON FOUND. THIS INSTALLATION IS CONSIDERED
	AIRWORTHY AND AIRCRAFT/ENGINE IS APPROVED FOR RETURN TO SERVICE.
	R J Rush A&P 151150001A

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.	:	:	:			
12/6/03	TACH TIME:	1640:23		94.13 SMOH. DRAINED ENGINE OIL AND REMOVED		
	:	:	:	OIL FILTER AND SUMP SCREEN FOR INSPECTION, CUT		
	:	:	:	FILTER OPEN AND INSPECTED FOR CONTAMINATION—		
	:	:	:	NON FOUND. INSPECTED SUMP SCREEN AND FOUND CLEAN.		
	:	:	:	REINSTALLED WITH NEW CRUSH WASHER P/N MS35769-21		
	:	:	:	INSTALLED NEW CHAMPION OIL FILTER P/N CH48110. TORQUED		
	:	:	:	TO 16 FT.LBS. SERVICE ENGINE WITH 8 QTS AEROSHELL 15W50		
	:	:	:	ASHLESS DISPERSANT (DETERGENT) OIL. (THIS WILL TO REMOVE BREAKIN		
	:	:	:	NON DETERGENT OIL). REMOVED TACH CABLE AND INSTALLED		
	:	:	:	NEW TACH CABLE DUE TO NEGATIVE TACH (CONNECTION PROBLEM)		
	:	:	:	ENGINE GROUND RUN AND LEAK CHECKED OK. ENGINE OK		
	:	:	:	FOR RETURN TO SERVICE. R Russ A&P 1511500 IA		
TOTALS	:	:	:	All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.		

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
	5-27-04, Tach 1661.97, 115.87 SMOH. Engine compartment was un-cowled for inspection following a flight to warm-up the engine and oil. Drained oil and removed filter and sump screen for inspection. Cut open filter and found no evidence of contamination. Same for the sump screen. Performed differential compression test on all cylinders. Results are as follows; #1-76/80, #3-77/80, #2-78/80, #4-77/80. Removed entire exhaust system for installation of a new left header due to frozen slip joint and a new muffler under warrantee(baffles loose) .New Blo-Proof gaskets were installed Installed a new Champion oil filter P/N CH48110 and torqued to 16 ft. lbs. Cleaned, gapped and installed spark plugs. Torqued to 30 ft. lbs. Serviced engine with 8 quarts of Aero-Shell 80 wt. non detergent oil. Verified timing set at 25 degrees BTDC. Installed new Bracket BA-104 inlet filter. Engine was inspected for discrepancies and none found. All AD's have been previously complied with and the only new AD is 2004-10-14, amendment 39-13644 and does not apply due to recent overhaul at which time a new crankshaft bolt and retainer was replaced. There are no other new AD's issued against this engine since the last AD list update. Existing AD list may be found in the aircraft records and is still in effect. Engine was test run and mag drop verified acceptable. This engine has been inspected in accordance with a 100 hour/ Annual inspection and found to be in an airworthy condition and is approved for return to service. Richard T Russ Richard T. Russ A&P 1511500IA

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.	:	:	:			
6-14-03	TACH	TIME 1592.78,		46.68 SMOH. INSTALLED A M-20 MODEL 300		
	:	:	:	OIL SEPARTOR IN ACCORDANCE WITH STC		
	:	:	:	# SA02033AT. ENGINE WAS RUN AND LEAK		
	:	:	:	checked - NONE SOUND. THIS ENGINE IS APPROVED		
	:	:	:	FOR RETURN TO SERVICE. 337 IN ACFT RECORDS.		
	:	:	:	R. Russ A&P 1511500 1A		
	:	:	:			
	:	:	:			
7-19-03	TACH	1606.1	60 SMOH	REMOVED FAILED AIRBORNE VACUUM PUMP		
	:	:	:	AND INSTALLED NEW SIGMA-TEK VACUUM PUMP		
	:	:	:	P/N 10128-006, MODEL 10128B S/N 740600H		
	:	:	:	R. Russ A&P 1511500 1A		
TOTALS	:	:	:			

All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
9/19/03	1620.26 TACH, 74.16 SMOH. DRAINED ENGINE OIL AND REMOVED
	SUMP SCREEN AND OIL FILTER FOR INSPECTION. CUT OPEN FILTER
	FOR INSPECTION. FOUND NO CONTAMINATION OR METAL IN FILTER. INSPECTED
	OIL SUMP SCREEN AND FOUND CLEAN OF FOREIGN MATERIAL. INSTALL
	NEW CHAMPION FILTER P/N CH48110 AND TORQUED TO 16 FT LBS. INSTALLED
	NEW CRUSH WASHER MS35769-21 ON SUMP SCREEN PLUG. SAFETY WIRED FILTER AND
	SUMP SCREEN PLUG. SERVICED ENGINE WITH 7 QTS AEROSHELL 80 NON-
	DETERGENT OIL. RAN ENGINE TO CHECK FOR OIL LEAKS, (NON FOUND)
	ENGINE IS CONSIDERED AIRWORTHY AND APPROVED FOR RETURN TO
	SERVICE. R. Russ A&P 1511500 1A

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.	:	:	:			
10-15-02	TACH	1555.3;	9.2 SMOH	DRAINED ENGINE OIL, REMOVED		
	FILTER AND OIL SUMP SCREEN FOR FOR EXAMINATION. FOUND					
	NO CONTAMINATION IN THE SCREEN. CUT OPEN FILTER AND EXAMINED					
	FOR CONTAMINATION AND NONE WAS FOUND. REINSTALLED OIL SUMP					
	SCREEN WITH A NEW CRUSH WASHER AND INSTALLED A NEW CHAMPION					
	OIL FILTER P/N CH48110 AND 7 QTS AEROSHELL 80 MINERAL OIL.					
	CLEANED ENGINE AND CHECKED FOR OIL LEAKS AND FOUND					
	NONE. THIS ENGINE IS CONSIDERED AIRWORTHY AND RETURNED					
	TO SERVICE.					
	:	:		Richard T Russ A&P 1511500IA		
	:	:				
	:	:	:			
TOTALS	:	:	:	All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.		

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
	5-14-03; Tach 1584.73, 38.63 SMOH. Aircraft was flown for 30 minutes to heat oil and cylinders for inspection. Oil was drained and oil filter and sump screen* removed for inspection. Filter was cut open and inspected for contamination, no particles or contamination found. Checked compression on all cylinders and results are: # 1-75/80, # 3-79/80, #4-78/80, # 2-77/80. Installed new champion oil filter P/n Ch48110 and added 7 quarts Aeroshell 80 non detergent oil. Removed all spark plugs, cleaned, gapped and reinstalled. Torqued to 25 ft. lbs. Removed and replaced Brackett air Filter Element P/N BA 104. Checked ignition timing per engine spec 25 BTC. Inspected mag points and found satisfactory. Removed fuel sump, cleaned screen, and reinstalled sump bowl. Removed RH exhaust system for inspection of muffler. Found inner baffle deflector loose and unairworthy. Returned to Wall Colomoy under warrantee. Installed new Nicrocraft muffler P/N PIM 0002, Piper P/N 99482-02.Reinstalled exhaust system. A Standby Vacuum System was installed per STC. (see 337 dated 5-14-03 for details.) Engine was test run and determined to be airworthy in accordance with a 100 hour/Annual inspection and approved for return to service. THERE WERE NO NEW AD'S ISSUED SINCE LAST ANNUAL AND ALL AD'S HAVE BEEN COMPLIED WITH. REF AD LIST IN AIRCRAFT RECORDS.
	Richard T Russ
	Richard T Russ A&P 1511500IA
	* COPPER GASKET P/N MS35769-21

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
9-7-02; Tach Time 1546.1. Engine was removed for overhaul due to inability to find source of an oil leak. All of the engine was inspected by D & B Aircraft Engines, Inc. for wear and damage ref w/o 10721 dated 9-4-02. Engine was reassembled with a certified late model overhauled crankcase, and accessory housing. Three of the cylinders # 1, 2 & 4 were replaced with fresh overhauled chrome cylinders. # 3 had been previously replaced @ 1518 hours. All cylinders have new valve guides and new exhaust valves and keepers. All parts recommended by Lycoming service bulletin 240K (for replacement at overhaul) were replaced including new rod bolts and nuts. Camshaft and tappets were overhauled by Rock Aviation, Inc. ref. yellow tags & w/o8351 dated 8-30-02. Engine was overhauled in accordance with Lycoming overhaul manual. Carburetor was overhauled by Mikes Aircraft Fuel Metering Service ref w/o 14483 dated 8-30-02 yellow tag. Installed a new AC fuel pump P/N 41271. Magnetos were reinstalled on engine and engine timed to 25 degrees before top dead center. Propeller was reinstalled and torqued to 65 ft. lbs. per the Piper Service Manual. For a list of all parts installed see ETA invoice # 9102002 dated 9-10-02. Engine was serviced with Aeroshell 50 straight mineral oil. Engine was test run, leak checked and found airworthy for continued service.						
Richard T. Russ Richard T. Russ A&P 1511500IA				TACH 1546.1 0-SMOH	3243.1 TAF	
TOTALS	:	:	:	All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.		

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
9/16/02	TACH 1550.6 (4.5 SMOH) REMOVED EXISTING OIL TEMP SENDER ON REAR OF ENGINE AND INSTALLED A NEW CALIBRATED OIL TEMP SENDER. ENGINE WAS RUN AND CHECKED FOR OIL LEAKAGE. AIRCRAFT TEST FLOWN AND OIL TEMP STABILIZED @ 190°F. SENDING UNIT WAS INSTALLED WITH A NEW COPPER CRUSH WASHER AND TORQUED IN ACCORDANCE WITH THE LYCOMING O/H MANUAL. THIS INSTALLATION IS CONSIDERED AIRWORTHY AND AIRCRAFT APPROVED FOR RETURN TO SERVICE
	R.T. Russ A&P 1511500IA

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.	Cont From Previous Page					
	within 5% of the test unit and exactly accurate at 200°F with red line starting at 230°F. (See test notes in POH. Oil pressure gage was tested and found totally accurate with test gages. Oil cooler was removed (P/N 455-165) and a new OH'd oil cooler P/N 28002A S/N B89-58220 installed. (Ref Pacific oil cooler yellow tag) Dated 5-17-02. All components were reinstalled, engine was test run and leak checked - no leakage found. All work was performed in accordance with Lycoming instructions and airworthy standards and this aircraft is considered airworthy for continued service.					
				Richard T Russ A&P 1511500HA		
TOTALS				All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.		

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
8/14/02	TACH 1543.1 REMOVED NO 2 CYLINDER to check for crack in cyl due to oil leak. Cylinder found to be cracked. INSTALLED FRESH OVERHAULED Chrome cylinder OVERHAULED by D&B AIRCRAFT ENGINES (SEE REPAIR TAG) ALL WORK PERFORMED IN ACCORDANCE WITH The Lycoming OH MANUAL AND STANDARD AIRCRAFT PRACTICES. ENGINE WAS TEST RUN AND FLOWN FOR 30 MINUTES TO VERIFY everything operating normally. This engine is airworthy and OK FOR RETURN TO SERVICE.
	Richard T Russ A&P 1511500HA

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.						

6/ /02 TACH : , Removed oil cooler AND REPLACED
with FRESH O/H FROM PACIFIC oil cooler service
P/N 20002A, S/N B89-58228 REF: YELLOW TAG & W/O #33113.
REMOVED TEMP PROBE AND PERFORMED CALIBRATION check
by COMPARING to Temp INDICATION IN BOILING oil USING A
OUTSIDE Thermometer. Removed OIL ~~FILTER~~ HOUSING AND
VERNATHERM to check VERNATHERM OPERATION AND SEAT.
ALL COMPONENTS REINSTALLED IN ACCORDANCE with MAINTENANCE
MANUAL(S). AIRCRAFT IS CONSIDERED AIRWORTHY AND APPROVED
FOR Return to service

TOTALS	:	:	:	All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.		

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
7-16-02	TACH 1526.65 PERFORMED DIFFERENTIAL COMPRESSION TEST TO check RING SEATING ON NO 3 CYL. TEST RESULTS AS FOLLOWS 1-78/80, 3-75/80, 4-80/80, 2-75/80 R Russ A&P 1511500IA
7-17-02	TACH 1526.70 THE FOLLOWING WORK WAS ACCOMPLISHED TO TEST THE ENGINE OIL TEMP AND OIL PRESSURE SYSTEM WHICH INCLUDED GAGE CALIBRATION. REMOVED AND REPLACED OIL FILTER AND OIL FILTER HOUSING CONTAINING THE VERNATHERM. VERNATHERM SEAT WAS INSPECTED AND GROUND (RECUT) PER SI 1316A. A NEW VERNATHERM WAS TESTED FOR OPERATION IN ACCORDANCE WITH LYCOMING TEST PROCEDURE. VERNATHERM P/N SL53E1900 REV B ASSY FULLY CLOSED @ 185°F. THE OIL TEMP SENDING UNIT WAS TESTED WITH A CALIBRATED THERMOMETER AND THE AIRCRAFT GAGE WAS FOUND TO BE

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.						
				6-01-02 Tach time 1519.9, TTSMOH 1200.29: checked compression using a differential pressure testor with orifice cyl. # 1-76/80,#3-77/80, #2-75/80, #4-78/80. Drained oil and checked filter for contamination-none found. Removed exhaust system for inspection. Removed engine from mount to clean, paint & refurbish. Cleaned all 3 primer injectors and repaired two primer lines. Removed both magnetos for inspection. Replaced points on RH magneto. Removed all induction tubes and reinstalled with new intake gaskets P/N PA71973 and new induction hoses P/N 69603, removed crankshaft plug to inspect crankshaft in accordance with SB 505B and AD 96-09-10. Clean out slug and inspected for cracks, corrosion and dimension. No cracks or corrosion was found and inside diameter check with new specs. Installed a new STD-1211 plug in accordance with the Lycoming Service Manual. Installed 4 new oil return hoses P/N STD-1196. engine was reinstalled with 8 new lord mounts P/N J-7402-24 and new engine mount bolts & nuts. Muffler was replaced with a new assy. P/N 99482-02R and a new stainless heater shroud. Exhaust system was inspected and reinstalled with new blo-proof exhaust gaskets P/N 77611. Eight new Champion spark plugs model REM40E were installed and torqued to 30 ft. pounds. Both magnetos were reinstalled with new gaskets and time to 25 deg.		
TOTALS	:	:	:	All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.		

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
	BFTDC. A new Champion oil filter P/N Ch48110 was installed and engine was serviced with 8 qts. 100 wt. Aeroshell non-detergent oil. A new bracket P/N 63695-000 was installed on the alternator mounting bracket to support the RH engine cooling baffle. All cooling baffles were removed and repaired as required using 2024-T3 aluminum. All of the baffle seals were replaced with new 1/8" silicon rubber seals. The carburetor heat aluminum duct was repaired and installed with new hardware. Removed carburetor heat box and overhauled with new grommets and bushings. Reinstalled and safetied. All the engine scat hoses were replaced with new. Propeller was reinstalled, torqued, and safetied. This engine has been inspected in accordance with an annual inspection and is considered airworthy and approved for return to service. Richard T. Russ Richard T. Russ A&P 1511500IA

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.	:	:	:			
12-6-01	Tach 1518.80 : SMOH 1199.2 Comp Ck. #1 78/80 #2 76/80					
	#3 40/80 #4 78/80 - Remove #3 Cylinder due to Low					
	Comp. : Replace Valve with New P/N SL19001A					
	Replace: Valve Guide with New P/N SL74230A					
	Replace: Rings: with New P/N SL5401-SC Ring Set.					
	Install with New Gasket set P/N SL12032-SC.					
	All work IAW Lycoming Overhaul Manual.					
	Changed Oil & filter, Serviced Engine with 8qts					
	W100 Mineral Aeroshell Oil. Cleaned, Gapped,					
	& tested Spark Plugs. Cleaned and Inspected					
	Engine Air Induction filter. AD 96-09-10 Oil					
	Pump Impellers - Cont. to Next Page →					
TOTALS	:	:	:	All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.		

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
12-6-01	Tach 1518.80 SMOH 1199.2 Cont. from Previous Page -
	Removed Accessory Housing, Visual Inspected Oil
	Pump Has Nitrided driving Impeller P/N LW-18109.
	Carburized Impeller Shaft Assembly P/N LW-18110.
	Washed Engine & Cowling. Test Run Checked for
	Leaks None Noted @ this time. — — —

Date 12-6-01 total time 1199.2 SMOH

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

Signature [signature] A&P No. 446423169

Date 12/6/01 TT 1199.2 SMOH

I certify this Engine has been inspected in accordance with an Annual inspection and found to be in airworthy condition

[signature] IA 1721137

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.	:	:	:			
	:	:	:			
	:	:	:			

PRECISION AVIATION
5240 S. COLLINS SUITE 100, ARLINGTON, TX 76018 817/465-0908

Date: 11/30/00 Tach Time: 1514.55
REGISTRATION: N7086W S/N: 28-872

Drained oil. Removed oil filter. Added 8qts. of Aeroshell 100W oil. Installed new CH48110 oil filter. Removed left magneto, sent out to Select Aircraft Services for repair (see yellow tag). Reinstalled magneto after repair. Timed to 25degrees BTDC as per Piper Service Manual.

JOHN BUTLER
A&P 566868948

TOTALS	:	:	:	All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and [illegible]

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
21Aug.00	Tach 1439.17 SMOH 1119.57 Comp. CK. #1 76/80 #2 74/80 #3 74/80 #4 72/80 Changed oil and filter. Serviced engine with 8qts. w100 Aeroshell. Cleaned gapped & tested spark plugs. Replaced "O" ring and lower gasket on dipstick tube. Replaced exhaust gaskets #'s 3 & 4 cylinders. Replaced cylinder head oil return hoses #'s 1 & 3 cylinders. Replaced scat tubing for defroster. Replaced carb. heat scat tubing. Cleaned engine, test ran, checked for leaks & operational limits. AD 96-12-07 Impulse couplings cw (b)(2) and TCM MSB645. Next due 1939.17 —
21Aug.00	Tach 1439.17 SMOH 1119.57 I certify this engine and propeller has been INSPECTED in accordance with an ANNUAL Inspection & was determined to be in AIRWORTHY Condition. Marlo Davis A&P 4406804 IA

DATE 99	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.	1262.8 Tach. Annual insp. Check comp (see below) Check Timing					
8-10	OK. Clean plugs & test. Dress & paint prop. Check AD see					
	Detailed listing in AC records. Wash down engine & test run & leak					
	Check OK :	:	:			
	:	:	:	Date: 8-10-99 Tach/Hobbs: 1262.8		
	:	:	:	Total: SMOH: ______		
	:	:	:	I certify that this engine / airframe has been inspected in accordance with a 100 hour / an annual inspection and has been determined to be in airworthy condition.		& PROP
	:	:	:	Authorized Signature: [signature] Certificate # AP440629579IA		
	:	:	:			
	:	:	:			
	:	:	:			
	:	:	:			
TOTALS	:	:	:			

COMPRESSION CHECK

#1 75/80 #2 76/80 #3 72/80

#4 78/80 #5 X/80 #6 X/80

All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.

DATE 99	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
10-4	1293.7 Tach. Change oil & filter. Service eng. with 8 QTS AS W80 oil & 48110 filter. Check old filter for metal, none found. Test run & leak check ok. Inspect EX IAW AD Oh. Due 50 HRS. [signature] 440629579 A&P
1/11/00	1356.15 Tach Changed oil & Filter Service Engine with 8 Quarts Aeroshell 80W. Run engine & Test for leaks. [signature] 1721137 A&P

DATE 98	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.	:	:	:			
10-3	1073.0	TACH.		REMOVE ALT. & REPAIR. REPAIR HEAT MUFF FOR CABIN HEAT.		
				REPLACE EX PIPE RT SIDE (SEE MAL) REPLACE SPINNER. CHANGE OIL & FILTER		
				SERVICE WITH 7 QTS AS100 & 48110 FILTER. TEST RUN & LEAK CHECK OK.		
	:	:	:			
	:	:	:	J. Brewer 440629579 A&P		
12-01	1124.1	TACH.		CHANGE OIL & FILTER. SERVICE W/ 9 QTS AS W80		
				OIL & 48110 FILTER. CUT FILTER & CHECK FOR METAL NONE FOUND.		
				TEST RUN & LEAK CHECK OK OK TO RETURN TO SERVICE.		
	:	:	:			
	:	:	:	J. Brewer 440629579 IA		
	:	:	:			
	:	:	:			
	:	:	:			
TOTALS	:	:	:	All repairs, inspections, alterations must be approved by a certificated mechanic		

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
1-14-99	1157.2 TACH. REPLACE RT EX PIPE & REPAIR BRACE
	INSTALL HELICOIL & STUD IN CLY. TEST RUN & LEAK CHECK.
	OK TO RETURN TO SERVICE
	J. Brewer 440629579 A&P

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.	:	:	:			
20 JUNE 1997, TACH 996, ENGINE TOTAL TIME 3213.8, ENGINE TIME SINCE OVERHAUL - 666.4 HR, PROPELLER TOTAL TIME - UNKNOWN, PROPELLER TIME SINCE OVERHAUL - 168.5 HR. ANNUAL INSPECTION COMPLETED IAW FAR 43 APPENDIX D REQUIREMENTS. CHANGED OIL & REPLACED CH48110 FILTER. REFILLED 8 QTS. AERO SHELL 15W50. CLEANED/GAPPED/TESTED/ROTATED SPARKPLUGS. CHECKED MAG TIMING. DRESSED PROPELLER. AD 96-09-10 OIL PUMP IMPELLERS, P/C/W @ 5/87 OVERHAUL. AD 96-09-10 SUPERSEDES AD 81-18-04 R2. I CERTIFY THAT THIS ENGINE & PROPELLER HAVE BEEN INSPECTED IAW AN ANNUAL INSPECTION AND WERE DETERMINED TO BE IN AIRWORTHY CONDITION. James R Cunningham						
AD 95-26-13 NICKES: C/W BY REPLACEMENT. NEXT DUE 2005				A&P 543683418 IA		
TOTALS				All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency		

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
5 JULY 1998 TACH 1046, ENGINE TOTAL TIME 3263.8, ENGINE TIME SINCE OVERHAUL 716.4, PROP TOTAL TIME - UNK. PROP TIME SINCE OVERHAUL - 218.5 ANNUAL INSPECTION COMPLETED IAW FAR 43 APPENDIX D. CHANGED OIL & REPLACED CH48110 FILTER. SERVICED W/ 8 QT. AERO SHELL 15W50. CHECKED COMPRESSION: 1) 78/80 2) 78/80 3) 76/80 4) 74/80. CHECKED MAG TIMING. CLEANED/GAPPED/ROTATED SPARK-PLUGS. C/W AD 98-02-08 HOLLOW CRANKSHAFT - PARA (C) INSPECTION. NO CORROSION PITS FOUND. AD RECURRING EA. 5 YRS. I CERTIFY THAT THIS ENGINE & PROPELLER HAVE BEEN INSPECTED IAW AN ANNUAL INSPECTION & WERE DETERMINED TO BE IN AIRWORTHY CONDITION. James R Cunningham A&P 543683418 IA	

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.						
	2/1/95 CONT'D) DRESSED PROPELLER. RE-INSTALLED FOLLOWING					
	REMOVAL & REPAIR, LH & RH EXHAUST STACK ASSEMBLIES.					
	UNITS REPAIRED BY AEROFABRICATORS W/O 0318063, CRS					
	#QL2R113L. C/W AD 94-01-03R1 BENDIX COILS & ROTORS - BY					
	INSPECTION. RED: COILS & ROUND ROTOR MAGNETS FOUND INSTALLED.					
	STAMPED 'C' ON MAG HOUSING PER AD. AD 94-14-13 ENGINE					
	DAMAGE - N/A BY A/C N7086W. AD 93-18-03 MA4 CARB. -					
	N/A UNIT M/N.: AD 93-19-04 MA4 CARB. - N/A BY DATE.					
	AD 94-06-09 BENDIX MAG CAPACITORS - N/A BY DATE.					
	I CERTIFY THAT THIS ENGINE & PROPELLER HAVE BEEN					
	INSPECTED IAW AN ANNUAL INSPECTION & WERE DETERMINED					
	TO BE IN AIRWORTHY CONDITION.					
	:	:		James R Cunningham A&P 543683418 IA		
TOTALS	:	:	:			

All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
	11 MARCH 1996 TACH 959, ENGINE TOTAL TIME 3176.8,
	ENGINE TIME SINCE OVERHAUL 629.4, PROPELLER TOTAL
	TIME - UNKNOWN, PROPELLER TIME SINCE OVERHAUL 131.5.
	ANNUAL INSPECTION COMPLETED IAW FAR 43 APPENDIX D
	REQUIREMENTS. OWNER CHANGED OIL & FILTER. COMPRESSION
	CHECKED 1) 75/80 2) 76/80 3) 75/80 4) 75/80. CHECKED MAG TIMING
	& E-GAP. CLEANED SPARKPLUGS. DRESSED PROPELLER.
	C/W AD 95-26-13 OIL COOLER HOSES - BY INSPECTION.
	HOSES REQUIRE REPLACEMENT IN 1997 PER AD. AD 95-07-01
	ROD BOLTS - N/A BY DATE. AD 95-26-02 ENGINE DAMAGE -
	N/A BY N# & DATE. AD SUPERCEDES AD 94-14-13. I CERTIFY
	THAT THIS ENGINE & PROPELLER HAVE BEEN INSPECTED IAW AN
	ANNUAL INSPECTION & WERE DETERMINED TO BE IN AIRWORTHY
	CONDITION. James R Cunningham A&P 543683418 IA

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.						
	8/8/92 CONT'D) IAW AN ANNUAL INSPECTION & WERE DETERMINED TO BE IN AIRWORTHY CONDITION THIS DATE. James R Cunningham A&P 54368 3418 IA					
	:	:	:			
	1 OCTOBER 1993 TACH 846, ENGINE TOTAL TIME 3073.8 ENGINE TIME SINCE OVERHAUL 526.4 HR. PROPELLER TOTAL TIME - UNKNOWN, PROPELLER TIME SINCE OVERHAUL 28.5 HR. ANNUAL INSPECTION COMPLETED IAW FAR 43 APPENDIX D REQUIREMENTS. CHANGED OIL & REPLACED FILTER w/ P/N CH48110. REFILLED 8 QT. AEROSHELL 15W50. CHECKED COMPRESSION 1) 76/80 2) 77/80 3) 75/80 4) 78/80. CHECKED MAG TIMING & E-GAP. CLEANED/GAPPED/TESTED/ROTATED SPARKPLUGS. DRESSED PROPELLER. CONTINUED NEXT PAGE →					
TOTALS	:	:	:	All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.		

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
10/1/93 CONT'D)	AD 93-11-11 AC FUEL PUMP - N/A BY DATE. I CERTIFY THAT THIS ENGINE & PROPELLER HAVE BEEN INSPECTED IAW AN ANNUAL INSPECTION & WERE DETERMINED TO BE IN AIRWORTHY CONDITION THIS DATE. James R Cunningham A&P 54368 3418 IA
5-14-94	Changed oil & Replaced oil Filter (Wiped) CH48110. Refilled with 8 qt Aeroshell 15W50 - Pac Wheel bearings. all wheels. Glen Cleveenger Owner. Tach time 863.89
1 FEBRUARY 1995	TACH 889, ENGINE TOTAL TIME 3116.8, ENGINE TIME SINCE OVERHAUL 569.4, PROPELLER TOTAL TIME - UNKNOWN, PROPELLER TIME SINCE OVERHAUL 71.5 HRS. ANNUAL INSPECTION COMPLETED IAW FAR 43 APPENDIX D REQUIREMENTS. CLEANED/GAPPED/TESTED/ROTATED SPARKPLUGS. CHECKED MAG TIMING (CONTINUED NEXT PAGE →

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.						
8/22/92				CONT'D) DATED 7/16/90, PAGES 1-4, INSPECTION & REASSEMBLY PERFORMED IAW PARA. 1-3, 6, & 8. INSTALLED NEW LW18639: LOCK PLATE, NEW STD-2213 BOLT & NECESSARY GASKETS. FINAL BOLT TORQUE 204 IN/LBS & LOCK TAB BENT AROUND BOLT HEAD. James R Cunningham A&P 543683418		
8 AUGUST 1992				TACH 817.5 ENGINE TOTAL TIME 3045.3, ENGINE TIME SINCE OVERHAUL 497.9. ANNUAL INSPECTION COMPLETED IAW FAR 43 APPENDIX D REQUIREMENTS. CHANGED OIL & REPLACED FILTER REFILLED W/: AEROSHELL 15W50. CHECKED COMPRESSION ① 76/80 ② 76/80 ③ 70/80 ④ 78/80. CLEANED/GAPPED/TESTED/ROTATED		
TOTALS				All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.		

CONTINUED NEXT PAGE →

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
8/8/92	CONT'D) SPARKPLUGS. RETORQUED ENGINE AS NECESSARY. FABRICATED NEW #4 PRIMER LINE. CHECKED MAG TIMING & E-GAP. REMOVED PROPELLER S/N 39074K FOR OVERHAUL, INSTALLED EXCHANGE OVERHAULED PROPELLER; SENSENICH 76EM8-0-60, S/N 26776K. PROPELLER TOTAL TIME - UNKNOWN, PROP. TIME SINCE OVERHAUL - 00.0 HR. C/W AD 78-09-07R3 BENDIX IMPULSE, ON L/H MAG IAW SB599D. DIMENSIONS FOUND SATISFACTORY. AD RECURRING EA. 500 HRS. & NEXT DUE @ TACH 1317.5. AD 92-12-05 PISTON PINS - N/A BY O/H DATE. AD 82-20-01 BENDIX IMPULSE - N/A AS UNIT TIME IN SERVICE GREATER THAN 300 HR. AD 63-22-03 MA4 CARB. - p/c/w @ UNIT OVERHAUL 5/18/87. I CERTIFY THAT THIS ENGINE & PROPELLER HAVE BEEN INSPECTED

CONTINUED NEXT PAGE →

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.						

7-18-91 TACK 749.3 annual inspection + service complete This date compression as Follows 1) 77/80 2) 80/80 3) 71/80 4) 40/80. Removed #4 cylinder due to Low compression + ground Both valves + seats. Reinstalled acording to the overhaul Manual with new Gasket set P/N SS2320. Changed oil + Filter cut open Filter Found no defects serviced with 7 QTS A/S 15W/50 oil. cleaned gapped + Rotated spark plugs. inspected exhaust system + intake system found no defects checked engine controls For proper movement + Lubricated Adjusted timing on right mag washed engine + test run found no defects

Date 7-18-91 Tach. 749.3 SMOH 436.7
I certify that this ~~aircraft~~/engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition.

Pertinent details of this inspection are on file at this repair station under Work Order No. 7815

For EL AERO SERVICES, INC.
FAA approved Repair Station, No. AQHD225C
For El Aero [signature]

TOTALS

All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
2-3-92	Tack 797.7 Changed oil + Filter serviced engine with 8 QTS AEROSHELL 15W/50 oil CUT open Filter Found no defects Test run engine checked For Leaks Found none, Repair CABIN HEAT SHROUD AS NECESSARY
	DATE: 2-3-92 APPROVED FOR RETURN TO SERVICE W.O. # 8529 CHIEF INSPECTOR-CRS AQHD225C [signature]
22 MAY 1992	TACH 801 C/W AD 91-14-22 CRANKSHAFT GEAR, BY INSPECTION & REWORK PER PARA. 2, b (1-5). GEAR INSPECTED & MODIFIED IAW LYCOMING SB475A BY ENGINE COMPONENTS NW, W/O #ECN 9844 (CRS. YECR508L) GEAR P/N 13S19646, C/W LYCOMING SB475 REVISION A

CONTINUED NEXT PAGE →

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
JULY 90						
BRT. FWD.				2: JULY 1990 TACH 625.6 COMPRESSIONS AS		
				: FOLLOWS; 1) 80/80 2) 80/80 3) 80/80 4) 70/80		
				: OIL: DRAINED, OIL FILTER REMOVED AND INSPECTED,		
				: A/C SERVICED WITH		
				: 8 QTS: 15W50 AERO SHELL &		
				: CH 48110 OIL FILTER, SPARK		
				: PLUGS: CLEANED AND GAPPED,		
				: MAG: TIMING CHECKED		
				: ROCKER BOX COVERS TIGHTENED		
	:	:	:			
	:	:	:			
	:	:	:			
	:	:	:			
TOTALS	:	:	:	All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.		

Date 2 JULY Tach. 625.6 TSMOH 3/3.0
I certify that this aircraft/engine has been inspected in accordance with ANNUAL inspection and was determined to be in airworthy condition.

Pertinent details of this inspection are on file at this repair station under Work Order No. 6360

EL AERO SERVICES, INC.
FAA approved Repair Station, No. AQHD225C
By Brock Baily FOR EL AERO

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
4 oct 90	Tach 659.02 Removed alternator and starter to gain access to broken alternator mount bolt, Removed broken bolt from crankcase - Reinstalled alternator, starter and replaced bolt, preformed operation check and found ok, Returned ACFT to service [signature] 525 377816 A&P
10-12-90	TACH- 678.99- OIL CHANGE & FILTER- CHAMPION 48110 - AEROSHELL W100- SOLVENT WASH DOWN ENGINE & COWLING- RUN UP FOR LEAK TEST AOK- J.B. MEYERS A&P 462408698ID

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.	May 19, 1989		Tach 522.33	Clean, gap and rotate spark		
	:			plugs, remove + replace ducting hose to carb		
	:			heat box. David S Zore A&P 559744736.	Ran engine	
	:			Checked operation, checked normal.		
	:	:	:			
	:	:	:			
	:	:	:			
	:	:	:			
	:	:	:			
	:	:	:			
	:	:	:			
	:	:	:			
	:	:	:			
	:	:	:			
TOTALS	:	:	:	All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.		

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
	Date 6-25-89 Tach 551.9 TT: ~~2667.4~~ 2786.4 TTSMOH 239.00
	I certify that this aircraft/engine has been inspected in accordance with ANNUAL inspection and was determined to be in airworthy condition.
	A/S 15-50W OIL
	Pertinent details of this inspection are on file at this repair facility under Work Order No. 6126
	NEW OIL FILTER
	ALL NEW FLUID FLEXIBLE HOSES
	R/R EXHAUST GASKETS
	EL AERO SERVICES, INC. FAA approved Repair Station, No. 411-10A
	COMPRESSION 1) 78/80 2) 79/80 3) 78/80 4) 77/80
	Brock E Bailey
	SET MAG TIMING
	Feb 23, 1990 TACH 598.4 OIL DRAINED, OIL FILTER
	REMOVED, A/C SERVICED WITH 8 QTS 15W50 AERO
	SHELL OIL, AND CH48110 OIL FILTER, A/C RUN-UP
	AND LEAK CHECKED NO DEFECTS NOTED.
	Mitch Bowden A&P 307503258

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.	31 Oct 87		Tack 344.3	247 tsmoh		
	Changed oil & filter Serviced with					
	8 qts Aeroshell 40 Det & Champion					
	CH48110 filter					
				Mark [signature]		A&P 528629398
21 May 88			tack 398.2	changed oil Serviced		
	with 6 qts Aeroshell W 50 wt					
				MK [signature]	528629398 A&P	
	:	:	:			
	:	:	:			
	:	:	:			
TOTALS	:	:	:	All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.		

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
6-14-88	Tach 431.32 TSMOH 118.72 100 hour Annual insp.
complete	in accordance with F.A.R. 43 appendix D and Piper service
manual	Changed oil and oil filter serviced engine with 8 quarts Aero
Shell	50 oil Compression 1 77/80 2 75/80 3 76/80 4 75/80. Replaced #1 2 4 cylinder
primer	lines with new. Dale R Don A&P 530547160 IA
	I certify that this Engine has been inspected in accordance with Annual inspection and have determined it to be in airworthy condition.
9-30-88	TACH 483.1 C/W 50 HR INSP. ASW 100 OIL
	J Woods R.S. 411-6

CERTIFIED OVERHAUL TO NEW ENGINE TOLERANCES ZERO-TIME EQUIVALENT

PACIFIC CONTINENTAL ENGINES, INC.
FAA APPROVED REPAIR STATION #4595
16041 ARMINTA ST. • VAN NUYS, CA.
818-781-4947

Make LYCOMING

Model 0-360-A3A

S/N L-6066-36

HRS. SMOH 0.00

This engine was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair are on file at this Repair Station under

Work Order NO. 85294

Date: May 18, 1987

Authorized Signature

Total time on engine before overhaul 2547.4

Pacific Continental Engines, Inc. warrants this engine for 100% parts and labor for 6 months or 240 hours whichever comes first. Further warranted on a pro-rated basis to the T.B.O. of the engine, at a minimum rate of 40 hours per month except that no labor allowance will exist for the period between the end of the FIRST SIX (6) months and the T.B.O. of the engine. NO OTHER WARRANTY IMPLIED OR EXPRESSED.

INSPECTION REFERENCE DATA

ALL ENGINE ACCESSORIES ARE GUARANTEED FOR SIX MONTHS OR 240 HOURS WHICHEVER OCCURS FIRST. NO EXCEPTIONS! ENGINE ACCESSORIES DEFINED AS: CONTINENTAL AND LYCOMING FUEL INJECTION SYSTEMS (FUEL SERVOS, FUEL PUMPS, MANIFOLD VALVES, LINES, NOZZLES), CARBURETOR, MAGNETOES, STARTER, ALTER-

...ed by a certificated ... cert. no.

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
22 MAY 87	tach 319.6 TT 2547.4
	Installed Engine in PA-28-180
	N 7086W, Engine Supplied with
	overhauled Magneto's Starter, & carburetor
	installed overhauled alternator Part # 301
	Serial # 6100733
	Left mag S/N 1003843
	Right mag S/N 556530
	Starter S/N OE 00357
	Carburetor S/N 648-6573
	Mark Peterson 528629398 A&P
	Serviced with 8qts Shell 50 Non Det & RAW
	No Leaks found A&P 528629398

AIRCRAFT ENGINE LOG FOR

BOOK NO. #2

ENGINE MAKE Lycoming MODEL O-360-A3A SERIAL NO. L-6066-36

MANUFACTURER _____ DATE OF MFG. _____ WEIGHT _____

HP. _____ AT _____ RPM DISPLACEMENT _____ CU. IN

OIL WEIGHT – SUMMER _____ WINTER _____

OIL CAPACITY _____ QTS. FUEL MIN. OCTANE _____

FIRING ORDER _____ SPARK PLUG GAP _____

BREAKER POINT GAP _____ IGNITION TIMING _____

VALVE CLEARANCES _____

OIL PRESSURE _____ OIL TEMP. RANGE _____

PROPELLER MAKE _____ MODEL _____ SERIAL NO. _____

PITCH _____ LENGTH _____ REMARKS _____

WARNING . . . AUTOMOTIVE FUELS ARE NOT RECOMMENDED FOR USE IN AIRCRAFT ENGINES. THE USE OF ANY FUEL OTHER THAN AN AVIATION GRADE FUEL WILL VOID ALL WARRANTIES.

NO WARRANTY ON PARTS AND/OR LABOR WITHOUT PRIOR WRITTEN AUTHORIZATION FROM PACIFIC CONTINENTAL ENGINE, INC.