

N6471C

The Standard

 **ENGINE LOG**

[illegible]

DATE 2021	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
12-21	1669		1037.6	Inspected engine per Vanis RV-7A check list dated 12-21-2021. Drained oil, added 7 quarts AeroShell W100 Plus. Changed oil filter. Removed spark plugs, cleaned and checked gaps. Rotated and re-installed. Compression check: Cyl #1 74/80, Cyl #2 76/80, Cyl #3 76/80, Cyl #4 66/80. Ready for return to service. James R. Knight James R. Knight AEP 3047142
1-12-23	1715.6		1084.2	Inspected engine per Vanis RV-7A check list dated 9-23-16. Drained oil, added 7 quarts AeroShell W100 Plus. Changed oil filter. Removed spark plugs, cleaned and checked gaps. Rotated and re-installed. Compression checks: Cyl #1 70/80, Cyl #2 74/80, Cyl #3 70/80, Cyl #4 67/80. Ready for return to service. James R. Knight James R. Knight AEP 3047142

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1/28	1749.8		1158.2	Cleaned & Inspected Engine I/A/W Condition Inspection Guide. Drained oil, replaced filter and refilled with 7 qts AeroShell 100. Cleaned KN Air filter & oiled, Installed new Spark Plugs Trupest REM388 Removed both Magnets For SGO the base. JAW Slick Service ENSB L-13635 Rev 4/20/2021 (Service Performed by SAW AIR Aviation) Reinstalled both Magnets and timed to 25° BTDC Test run OK. Comp ✓ Done #1 71/80 #2 70/80 #3 70/80 #4 69/80 Ready for return to service. Robert Eckert Robert Eckert AEP 3309806

DATE 2017 10	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
10/14	1460.4			Inspected engine per checklist dated 10-16-2017. Removed spark plugs. Cleaned, gapped and tested. Rotated and installed. Compression check: Cyl #1 72/80, Cyl #2 76/80, Cyl #3 74/80, Cyl #4 72/80 Ready for return to service.
2018 11/15/18	1535.0			James R. Knight James R. Knight AIP 3047142 oil change, drained oil, removed filter and replaced oil filter with Dupont 48103-2, did Runny post oil change, no leakful. after run 795 checked 100
2018 11-15	1535.0		903.6	Inspected engine per RV-7A checklist dated 11-15-18. Removed spark plugs, cleaned, gapped, rotated and installed. Compression check: Cyl #1 76/80, Cyl #2 72/80, Cyl #3 72/80 Cyl #4 75/80 Ready for return to service. James R. Knight James R. Knight AIP 3047142

DATE 2019 11/19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
11/19	1591.9		960.5	oil change, drained oil, removed oil filter and replaced oil filter with 48103-2 tempstar, did Runny - no leaks after 795 of Runny checked 100
12-1-19	1591.9			Inspected engine per Vanis RV-7A checklist dated 12-1-19. Removed spark plugs, cleaned, gapped, rotated and installed. Compression check: Cyl #1 74/80, Cyl #2 70/80, Cyl #3 77/80, Cyl #4 74/80 Ready for return to service. James R. Knight, James R. Knight AIP 3047142
12/18/20	1636.0			oil change, drained oil, removed oil filter and replaced oil filter with 48103-2 tempstar, did Runny - no leaks after 795 of Runny checked 100
12-18-20	1636.0		1004.6	Inspected engine per Van's RV-7A checklist dated 12-18-20. Removed spark plugs, cleaned, gapped, rotated and installed. Compression check: Cyl #1 74/80, Cyl #2 64/80, Cyl #3 66/80 Cyl #4 67/80 Ready for return to service. James R. Knight, James R. Knight AIP 3047142

DATE 2015 -19-	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
8/3	1269.1			Removed engine cowlings, cleaned & inspected engine per checklist dated 8-3-15. Removed SPARK PLUGS, cleaned & GAPPED. Rotated INSTALLATIONS Bottom to Top AND ONE FORWARD IN FIRING ORDER. Checked timing, 25° BTDC, OK. DIFFERENTIAL COMPRESSION check showed CYL#1-74/80; CYL#2-78/80; CYL#3-76/80; CYL#4-68/80. Removed, cleaned, reoiled & reinstalled K&N AIR Filter. DRAINED OIL & INSTALLED NEW OIL Filter. Filled with 5qt Aeroshell 100W. Found CRACKS ON HEAT MUFF & removed Heat muff. Ready for Return TO SERVICE STEVE FORMHAUS 3372205 AP
12/7/15	1384.0			DRAINED oil, removed and replaced oil filter (Champion 48103-1) replaced with Tempco 48103-2, Ran up engine to check for leaks none found
6/11/16	1375.6			PERFORMED DIFF COMPRESSION READINGS: CYL 1-77/80 CYL 2-72/80 CYL 3-78/80 CYL 4-72/80 (w/COLD CYLS).

DATE 2016 -12-	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
6/11/16	1375.5			DRAINED oil, removed & replaced filter (Tempco 48103-2) Added 5 qts Aeroshell
10/1/16	1400.3		6812.7	Cleaned & inspected engine per checklist dated 10/1/16. Removed SPARK PLUGS, cleaned, gapped, Tested & REINSTALLED. Rotated Top to Bottom & Fan one in FIRING ORDER. Checked timing at 25° BTDC. Compression Check: CYL#1-70/80, CYL#2-78/80, CYL#3- 79/80, CYL#4-76/80. INSTALLED NEW K&N AIR Filter. Ready for Return to Service. STEVE FORMHAUS 3372205 AP
11/29/17	1422.4			oil change, drained oil, removed & replaced oil filter with Tempco 48103-2, ran engine up post maintenance, no leaks found. post 6qt Aeroshell
10/3/17	1466.3			oil change - drained warm oil, removed & replaced oil filter (Tempco 48103-2) used 7qt Aeroshell 50 post running no leaks

DATE 2013 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
6/7	1057A			Cleaned engine AND INSPECTED ACCORDING TO RV7A checklist dated 6/7/13. Removed SPARK PLUGS AND PERFORMED COMPRESSION CHECK; Cyl 1 - 74/80, Cyl 2 - 73/80, Cyl 3 - 75/80, Cyl 4 - 65/80. MAG TIMING @ 25° BTDC. Replaced ALL PLUGS with NEW REM38E PLUGS. Cyl 3 Rocker cover gasket LEAKING OIL - Tightened Cover screws. Fuel line FROM Fuel Pump to Servo Choking on Motor Mount CAUSING WEAR. Replaced w/ new Fuel line & fire sleeve. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED ON 6/7/13 IN ACCORDANCE WITH THE SCOPE AND DETAIL OF 14 CFR, PART 43, APPENDIX D AND FOUND TO BE IN A CONDITION FOR SAFE OPERATION. Steve Formhals Steve Formhals 3372205 AP
9/5	1083H			Oil change, Drained oil, Replaced oil filter 48103-1 change filter add 1 qt Aeroshell 100
1/8/14	1118L			oil change, drain, Replaced oil w/ 79TS Aeroshell 100

DATE 2014 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
8-1	1171.8			Removed ENGINE COWLING AND CLEANED AND INSPECTED ENGINE PER CHECKLIST DATED 8/1/14. Removed SPARK PLUGS, CLEANED, GAPPED & REINSTALLED. Rotated TOP to BOTTOM & ONE FORWARD IN FIRING ORDER. PERFORMED COMPRESSION CHECK; 1 - 74/80, 2 - 67/80, 3 - 72/80 & 4 - 66/80 (ENGINE COLD) REPLACED K&N AIR FILTER WITH NEW K&N AIR FILTER. TIMING CHECK @ 25° BTDC. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED ON 8/1/14 IN ACCORDANCE WITH THE SCOPE AND DETAIL OF 14 CFR, PART 43, APPENDIX D AND FOUND TO BE IN A CONDITION FOR SAFE OPERATION. Steve Formhals Steve Formhals 3372205 AP
8-1	1171.8			DRAINED OIL, Removed oil Filter & inspected. ADDED 6 qts Aeroshell 100, Installed new Filter. Steve Formhals Steve Formhals 3372205 AP
4/21/15	1221.1			Drained oil, Removed oil filter & inspected, add 5q Aeroshell 100, Installed new filter 48103-1 1/21/15

DATE 2010- 2011	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
8/30/10	794.2			Replaced alternator.
9/27/10	800.9			Oil change
5/11/11	825.6			Oil change & filter, Comp. 72, 75, 74, 69/80
8/8/11	856.8			Oil change
11/25/11	908.0			Oil change of filter, Aeroshell 100 (7) quarts. check mag timing 3246519
12/10/11	910.0			Removed BOTH MAGNETOS FOR 500 HR INSP IAW SERVICE INFORMATION L-1363F, Complied w/ SB2-80C & CHECKED FOR APPLICABLE ADS (SERVICE PERFORMED BY SELECT ACFT SVCS.) Reinstalled BOTH MAGNETOS AND TIMED TO 25° BTDC. TEST RUN OK. Steve Jankul 3372205 A&P MAGNETO SLIC 4373 SN 96030085 MAGNETO SLIC 4370 SN 96050336

DATE 2012	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
5/14	952.8			Cleaned engine & inspected according to RV-7A CONVENTION Inspection Guide, ATTACHED. Removed SPARK PLUGS, cleaned, gapped & Reinstalled ROTATING TOP TO BOTTOM AND 1 FORWARD IN FO. Checked timing @ 25° BTDC. DRAINED OIL, Replaced Filter w/ New CH 48103-1 and Added 6 qts Aeroshell 100. Removed Fuel Servo, Fuel Flow Divider, SPIDER AND ALL INJECTORS FORDH. (ACFT CARB & Injection Service) Reinstalled Servo, FF Divider, SPIDER & injectors, OK. Removed Air Filter AND FRONT Left Baffle. Replaced Baffle AND Reinstalled New Air Filter. I CERTIFY THAT THIS engine HAS been inspected, ON 5/14/12, IN ACCORDANCE WITH THE SCOPE OF AND DETAIL OF 14 CFR, PART 43, APP D AND FOUND TO BE IN A CONDITION FOR SAFE OPERATION Steve Jankul 3372205 A&P 8/20/12 986.7 DRAIN OIL, added 5 qts Aeroshell 100 1/25/13 1025.9 DRAIN OIL, Replaced oil Filter (CH 48103-1) added 6 qts Aeroshell 100

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7/20/01	1086	ACT		CHG OIL/FILTER CLEAN/DSEA ENG 604 ^{AERO} 8 QTS 50W 100W PLUS Q.D. Repairman Repairman 230212
5/1/02	1105.0	ACT		MATOR ENGINE OVL. NEW I/L CYL ASSEMBLIES, NEW LIFT BODIES, NEW NEW CAMSHAFT, NEW PULGS, OIL FILTER, GASKET SET, NEW COUNTER WEIGHT ROLLERS, NEW ROD/ MAIN BEARINGS (RODS MO6), NEW SEAL/GASKET SET, NEW CRANKSHAFT BOLT (5L-STD-2213), NEW ROCKER SHAFTS, OVERHAULED CRANKSHAFT, CRANKCASE, ROCKERS, COUNTERWEIGHTS, PROP GOVERNOR, FUEL PUMP INSPECTED ALL REMAINING ITEMS PER I/L OH MANUAL 60294-7 C/W: 50 518A, 50 475B, ASSEMBLED PER I/L 60294-7, LUBED, QTS AEROSHELL 50W (MINERAL), BREAK IN PER I/L 60294-7 INSTRUCTION Q.D. Repairman Repairman 230212 5/1/2002

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10/01/02	ACT	1128		ENGINE 235MOA CHG OIL/FILTER AEROSHELL 50W
11/06/03	ACT	1145.0		CHG OIL/FILTER AEROSHELL 50W ^{R. J. J.} Repairman Repairman 230212 ENGINE 405MOA
1/15/2003	ACT	1146.0		ENGINE 41.0 SMOA REMOVED FROM BD4- N99AD. Repairman D. J. J. 230212
1/15/2005			1146.0	Removed - C model oil sump & replace with new - A model P/N APS-74284XP
2/19/05				Engine installed on air frame of RV-7A N769RV. Repairman Bay Hamilton 3367165
3/29/09	697.0	64.4	1210.4	Annual condition inspection on N769RV Compression test 1) 78/80 2) 79/80 3) 78/80 4) 79/80 Repairman Bay Hamilton 3367165
6/01/09	714.9			oil change.
10/6/09	739.9			oil change
4/10/10	772.83			oil & filter change

DATE 1997	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
5-14-97	tach 5330.5	hrs		change oil and oil Filter, clean bottom spark plugs Belair Shuler 463472442 FA
6-13-97	tach 5368.05	Completed 100 hr.		insp. changed oil and oil Filter, checked compression #176 #276 #378 #478, checked magneto to engine timing Tach Time 5368.05 T.S.MOH
				I certify that this engine has been inspected in accordance with a 100 hr inspection and was determined to be in an airworthy condition. Belair Shuler 6-13-97 No. 463472442 FA
6/22-97				1080 SMOH

DATE 1999	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
10/13/99				REPLACED OIL PUMP GEAR/DRIVESHAFT C/W AD 96-09-10 REPLACED MAGS W/NEW SLICK MAGS AND HARNESS. MODIFIED SUMP TO FORWARD SERVO MOUNT. REPLACED FUEL PUMP W/O/H AEROSHELL 50W #41234. REPLACED PROP GOV W/WOODWARD GOV. INSTALLED ENGINE IN BED 4 SIN BD4-607 N99AD. CR OK. OK FOR TEST FLIGHTS. CHANGED OIL/FILTER, GET AEROSHELL 50W G.D. G. R. REPAIRMAN R2302122 ACTACH 1036.6 HR ENGINE NOW IN FRONT SERVO (AIA) CONFIG. ENG 1080 SMOH COMP 76 78 72 76 OVER 80
10/30/99				OVERHAULED R2302122 FUEL SERVO AND MANIFOLD G.D. G. R. R2302122 ACTACH 1039 HR
4/16/99				CHG OIL 70T1 AEROSHELL 50W P. D. G. R. R2302122 ACTACH 1041.17
9/16/00				INSPECTED OIL ADAPTER PER AD OK, AD C/W. D. G. R. R2302122 ACTACH 1059.8
11/22/00	1062.4	TACH		CHG OIL, COMPRESSION 70% 77 75 72 70 80, AEROSHELL 100 PLUS CHG AIR FILTER, INSPECT ENG. AND ENG CONTROLS, CLK TIGHTENING, CLEAN/REP PULSES G.D. G. R. Repairman R2302122

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				Drained oil, replaced oil filter, serviced engine with 8 Quarts Aeroshell W100. Cleaned gaped tested spark plugs. Replaced Air filter element with BA-10. Serviced hydraulic reservoir with MIL-5606 fluid.
				Compression
	#1 77/80	#2 78/80		 CALIFORNIA WINGS 4025 Kearny Villa Road San Diego, CA 92123 (619) 569-8282 that this Aircraft Engine has been inspected in accordance with a 50hr/100hr Annual Inspection and was determined airworthy. <u>Keith Montgomery 409354430 A&P 12-9-96</u> Date Tach Time: <u>5175.78</u> ELT Due: <u> </u> SMOH: <u>288</u> Xponder Due: <u> </u> Airframe Ttl. Time: <u>5175.78</u> Altimeter Due: <u> </u> Engine Ttl. Time: <u> </u>
	#3 76/80	#4 79/80		

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				Cleaned & tested all spark plugs / serviced hydraulic reservoir with MIL-H5606 fluid.
				Compression
	#1 78/80	#2 79/80		 CALIFORNIA WINGS 4025 Kearny Villa Road San Diego, CA 92123 (619) 569-8282 that this Aircraft Engine has been inspected in accordance with a 50hr/100hr Annual Inspection and was determined airworthy. <u>Keith Montgomery 409354430 A&P 3-22-97</u> Date Tach Time: <u>5270.54</u> ELT Due: <u> </u> SMOH: <u>983</u> Xponder Due: <u> </u> Airframe Ttl. Time: <u>5270.57</u> Altimeter Due: <u> </u> Engine Ttl. Time: <u> </u>
	#3 77/80	#4 78/80		

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				Drained oil, changed oil filter, serviced with 5 qts. Aeroshell 100. Cleaned, gapped & tested spark plugs - Compression check as follows: #1 80/80 #2 80/80 #3 80/80 #4 80/80 Checked magnets to Eng. timing.
				CALIFORNIA 4025 Kearny Villa Road San Diego, CA 92123 (619) 594-1111 I certify that this Altimeter <u>Engine</u> has been inspected in accordance with a <u>50/100/Annual</u> inspection and has been determined airworthy. <u>W. R. Cardenas</u> 574758968 A/P 07-12-96 Date Time: <u>4974.91</u> <u>687</u> <u>687</u> <u>687</u> ELT Due: <u> </u> Xponder Due: <u> </u> Altimeter Due: <u> </u> Engine Ttl. Time: <u> </u>

[illegible]

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				Drained oil, changed air filter Served with 8 quarts Aeroshell W100 cleaned & inspected all spark plugs Served ship's battery. Completed as follows:
1 78/80		2 76/80		
				CALIFORNIA WINGS 4025 Kearny Villa Road San Diego, CA 92123 (619) 569-8282
3 74/80		4 79/80		I certify that this Aircraft Engine has been inspected in accordance with a 50hr/100hr Annual Inspection and was determined airworthy.
				Colin Skinner 12-17-95 Colin Skinner 555379809 AP IA Tach Time: 4774.28 ELT Due: _____ E: 485 Xponder Due: _____ A: _____ Altimeter Due: _____ Engine T.U. Time: _____

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				Drained oil, changed oil filter Served with 8 Quarts Aeroshell W100 Cleaned, gaped & tested spark plugs. Compression: #1 $\frac{75}{80}$ #2 $\frac{72}{80}$ #3 $\frac{76}{80}$ #4 $\frac{75}{80}$ - Chkd Mag to engine timing
				CALIFORNIA WINGS 4025 Kearny Villa Road San Diego, CA 92123 (619) 569-8282
				I certify that this Aircraft Engine has been inspected in accordance with a 50hr/100hr Annual Inspection and was determined airworthy.
				107545644516 April 8, 1996 Date
				Tach Time: 4875.9 ELT Due: _____ SMOH: 586 Xponder Due: _____ Airframe T.U. Time: _____ Altimeter Due: _____ Engine T.U. Time: _____

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				Drained oil, changed oil filter, serviced engine with 80 to 4500 rpm, replace coil in right mag. replace both water pump hoses with new. replace magenta gasket on right side.
				Compressor check:
	#1 78/80	#2 78/80		
	#3 78/80	#4 77/80		
				 CALIFORNIA WINGS 4025 Kearny Villa Road San Diego, CA 92123 (619) 569-9282 I certify that this Aircraft/Engine has been inspected in accordance with a 50hr/100hr/Annual Inspection and was determined airworthy. <u>Colin Skinner</u> 7-17-85 Colin Skinner 555379809 AP IA Date Tach Time: 4576.2 ELT Due: _____ SMOH: 0287.2 Xponder Due: _____ Airframe Tl. Time: _____ Altimeter Due: _____ Engine Tl. Time: _____

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				Drained oil, changed oil filter, serviced engine with 79 to 4500 rpm. cleaned all spark plugs. Compression checks follow: #1 79/80 #2 78/80
	#3 78/80	#4 78/80		
				 CALIFORNIA WINGS 4025 Kearny Villa Road San Diego, CA 92123 (619) 569-9282 I certify that this Aircraft/Engine has been inspected in accordance with a 50hr/100hr/Annual Inspection and was determined airworthy. <u>Colin Skinner</u> 9-4-95 Colin Skinner 555379809 AP IA Date Tach Time: 4675.2 ELT Due: _____ SMOH: 386 Xponder Due: _____ Airframe Tl. Time: _____ Altimeter Due: _____ Engine Tl. Time: _____

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12-3-94				Grand air, changed air filter, clean Tach 423426 Clean spark plugs. Service engine with 8 qt AS 100w oil. Col Skinner 55579809 AP 1A
				Removed engine from C471C for major overhaul. disassembled engine - sent crankshaft, piston rods, all accessory gear for magniflex and impeller, all checked good at the time inspected and checked crankshaft and lifter bores for limits all checked good at the time, replaced piston rings with pins and seals, installed ceramic injectors (see yellow tag) replaced all engine accessories, to Lycoming, overhaul manual (O-360 Ser.), test ran engine for leaks - none found. all spark plugs replaced, air induction element replaced. note: crankshaft and connecting rod bearings were replaced with new, time now is "0" since major overhaul. see next page ->

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				CALIFORNIA 4025 Kearny Villa Road WINNERS San Diego, CA 92123 (619) 660-6282 I certify that this Aircraft Engine has been inspected in accordance with a <u>80 hr/100 hr Annual Inspection</u> and was determined airworthy. Colin Skinner 2-15-95 Colin Skinner 55579809 AP 1A Date Tach Time: 428912 ELT Due: SMCH: 1100 Xpander Due: Airframe Ttl. Time: Altitude Due: Engine Ttl. Time: 2688.5 03-21-95 AD 95-07-01 DETERMINED N/A BY DETERMINATION THAT SL 75060 ROD BOLTS WERE NOT AFFECTED & WERE PURCHASED FROM SUPERIOR AFTER TERMINATION DATE (12-20-94) BY REVIEW OF RECORDS & CONFIRM. W/ BILL CANNON & SUPERIOR TUNING NIPST5644010

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CROWNAIR R.S. #CWNR 273K

ENGINE IO-360-C1C6 S/N L-18555-51A
N6471C PA-28R-201 S/N 28R-7837169
12-30-93 3964.51 HRS TACH 2363.51 HRS SMOH

Drained oil and replaced oil filter. Serviced engine with Aeroshell 100 50 Wt detergent oil. Installed new CH48110 oil filter. Inspected old oil filter for metal contamination and none found. Ground run and leak checked OK.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and / or overhauled, and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service.

Tach Time 3964.51
Total Time 2363.51 SMOH

Pertinent details of the repair are on file at this Repair

Station under WO 24478 Date 12-30-93

Signed Alc Coal for

AUTHORIZED REPRESENTATIVE

CROWNAIR
3753 John J. Montgomery Dr.
San Diego, Calif. 92123
FAA Approved Repair Station #CWNR 273K

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
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3-17-94 Tach Reads 3979.5 / 2379.5 SMOH
All routine maintenance and service completed
inspected cleaned gapped & rotated all spark
plugs oil and oil filter were not changed
at this time due to recent service performed by
Crownair. Compression check as follows:
#1 77/80 #2 75/80 #3 80/80 #4 76/80. This engine
has been inspected I.A.W. an ANNUAL inspection
and was determined Airworthy. A.P.A. Colin Skinner 555379809

ENGINE

LYCOMING IO-360-C1C6

S/N L-18555-51A

S
ER OF
TRIES.)

N6471C

PA-28R-201

S/N 28R-7837169

7-22-93

4160.1 HRS HOBBS

Removed alternator and sent to Cruise Air Aviation for functional test due to possible damage from arcing caused by the battery negative terminal melted off. Reinstalled repaired alternator with new helicoil and bolt installed by Cruise Air and properly safetied. Had to splice in added wire length for field circuit due to later style brush assy installed. Ground run and performance normal. Straightened out bent intake air box cover and installed 1 ea. AN3-42A bolt and fiber nut in place of missing fastener. Pressure checked engine fuel system for fuel leaks and found flexible fuel drain line on intake manifold drain fitting leaking bad due to age and cracking. Straightened drain fitting and replaced line. Properly routed line assy to eliminate traps in line assy.

Items above only.
The aircraft, ~~airframe~~, aircraft engine, propeller or appliance identified above was repaired and ~~re-overhauled~~, and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service.

Tach Time 4160.1 hrs

Total Time _____

Pertinent details of the repair are on file at this Repair

Station under WO 274538 Date 7-22-93Signed J. M. R. Keyser for

AUTHORIZED REPRESENTATIVE

CROWNAIR

3753 John J. Montgomery Dr.

San Diego, Calif. 92123

FAA Approved Repair Station #CWNK 273K

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

CROWNAIR R.S. #CWNR 273K

N6471C

PA-28R-201

S/N 28R-7837169

1-14-92

3738.4 HRS TACH

3964.0 HRS HOBBS

Removed inop RH magneto Model No. S4LN-1209, P/N 10-349305-1, S/N A180845 and installed overhauled magneto P/N 10-349305-1, S/N J019116FR. Timed magneto and test ran. Ops check normal.

Stimabox only
The ~~aircraft, airframe, aircraft engine, propeller or~~
~~appliance~~ identified above was repaired ~~and/or over-~~
hauled, and inspected in accordance with current regu-
lations of the Federal Aviation Agency and is approved
for return to service.

Tech Time 3738.4 hrs.

Total Time _____

Pertinent details of the repair are on file at this Repair

Station under W.O. 23239 Date 1-14-92

Signed [Signature] for
AUTHORIZED REPRESENTATIVE

CROWNAIR
3753 John J. Montgomery Dr.
San Diego, Calif. 92123
FAA Approved Repair Station #CWNR 273K

DATE	A/C Model:	PA-28R-201	<i>Express Aero Services</i>	Date:	2-5-93	2 OF RIES.)
19	Serial #:	28R-7837169	545 Kenney street, Hangar C3	Hobbs:	4113.8	
	Registration #:	N6471C	El Cajon, CA 92020	Aircraft total time:	3870.8	
	Annual due:	2-28-94	(619)562-0243	ELT:	12-93	
	Engine:	10-360-C1C6	S/N: L-18555-51A Tach: 3870.8	Engine time:	2269.8 SMOH	
	Altimeter due:	10-93	Work order #10181	Transponder:	10-93	

Compression: #1 80/80 #2 80/80 #3 80/80 #4 80/80 #5 N/A #6 N/A
Welded cracked forward stack. Replaced BA-10 air filter. Repaired #1 cylinder bottom lead. Replaced
#4 cylinder oil supply fitting. Serviced with 8 quarts Aeroshell 100 oil and CH48110 filter. AD's checked
through biweekly issue #92-27. This engine has been inspected in accordance with all current FARs and
the Piper service manual for an ANNUAL inspection and found to be in airworthy condition as of this
date.

[Signature]
Colin Skinner A&P 555379809 IA

MODEL PA-28R-201
S/N 7837169
REG. NO. U6471C
ENG. MOD. PA28R-201
ENG S/N 28R-7837169

RAMONA AVIATION, INC.
2898 MONTECITO ROAD
RAMONA, CA 92065 • (619) 789-8820
FAA REPAIR STATION IRMR801K

ENGINE LOGBOOK INSERT

DATE 12-13-90
W.O. # 1102
HOBBS 3571
TACH 3774
FOR SINGLE ENGINE

THE AIRCRAFT AND/OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AIR REGULATIONS AND WAS FOUND AIRWORTHY FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY.

DATE 12-13-90 SIGNED Robert J. Jessing

changed oil with 8 qts 50w aeroshell and filter cleaned plugs
timed engine $7 \frac{78}{80}$ $2 \frac{78}{80}$ $3 \frac{80}{80}$ $4 \frac{78}{80}$. Replaced alternator belt,
Repaired heat billows, replaced gasolator screen, replaced prop "O"
ring, replaced fuel 90° elbow on governor line fuel end of engine, performed
inspection in accordance with Piper A/C service manual, returned
A/C to service.

No further entries this page.

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
19__				

A/C Model: PA-28R-201
Serial #: 28R-7837169
Registration #: N6471C
Annual due: 1-31-93
Engine model: 10-360-C1C6
Altimeter due: 10-93

Express Aero Services
1860 Joe Crosson Dr. Hgr. I
El Cajon, CA 92020
(619) 562-0243
Engine serial #: L-18555-51A
Work order #9106

Date: 1-3-92
Tach: 3733.53
TT A/C: 3733.53
ELT: 12-93
TT Engine: 2132.53 SMOH
Transponder: 10-92

Compression: #1 79/80 #2 79/80 #3 80/80 #4 79/80 #5 N/A #6 N/A
Inspected timing. Replaced all Seat duct. Welded broken engine baffling. Replaced BA-105 air filter
assembly. All airworthiness directives have been complied with. This engine has been inspected in
accordance with all current FARs and the Piper service manual for an annual inspection and found to
be in airworthy condition as of this date.

Garrett Gregory
Garrett Gregory A&P1231057 IA

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
1 November 1989	Tach 3440			4 hrs Performed ANNUAL Inspection 1A WBiper PH28R-201 Inspect- ion Guide: Compression check #1 78/80 #2 77/80 #3 78/80 #4 78/80. Changed oil & filter serviced with 8 qts Aeroshell 100W.
Date <u>11/1/89</u> Tachometer <u>3440, 41</u> I certify that this (4-cyl Engine) has been inspected in accordance with (an annual, 2-100 hr) inspection and was determined to be in airworthy condition. <u>Gerald W. Francis</u> AIP 87206314 IA				
12/29/89	3461			Oil Change / CH 48110 / Aeroshell 100 Wenett
4/4/90	3484			Oil change as above Wenett

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
4/4	3484			New REM 38E Plugs all around
7/2	3505			Oil & Filter Wenett
	3530			Oil & Filter Wenett

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
12 October 1948				Tach 3310.96 SMOH 1710.96 Performed ANNUAL Inspection IAW PA29R-201 Inspection Guide Comp check #1 76/80 #2 76/80 #3 76/80 #4 76/80 Changed oil & filter. Repaired Alternator Air door assembly welding. All outstanding AD notes complied with.
Date 10/12/88 Tachometer 3310.96 SMOH 1710.96				
I certify that this (Aircraft Engine) has been inspected in accordance with (an annual, 100 hr.) inspection and was determined to be in airworthy condition.				
Signed <u>Gerard L. S. Rance</u> A4P97206314IA				

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
S-10-88				Tach 3370.hrs R&R alternator to replace 1557 rotor, 6203 bearing, NB-67 bearing, CH-1-R brush, CH-8-12 brush, S-2428 insulator, S-2531 brush holder, S-2412 brush holder, - Dan EG A4P547869946
S-23-89				Tach 3382.hrs Rescaled cyl #1 rear push rod tube, Repaired cyl #4 rocker box drain tube, Replaced vac pump drive seal, — — Dan EG A4P547869946 —
7/20/89				3387 Oil Change / F.I. Ker TAC TIME 3400.0 Replaced top GOU PAD AND GOU GASKET. Leak CK OK AT THIS TIME. E.M. A4P5661156116
8/18/9				3410 Oil Change & F.I. Ker

DATE 19 <u>86</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
<u>7/16/86</u>				ALL INSP ITEMS. PER PIPER INSP PROGRAM. REPLACED VAC PUMP GARLOC SEAL CHANGED OIL & FILTER A/SSOW
I certify that this Engine Aircraft has been inspected in accordance with a <u>ANNUAL</u> inspection and was determined to be in airworthy condition. Signature <u>M. Edman</u> W.O. # <u>9665</u> Date <u>7/16/86</u> Tech Time <u>3031</u> Total Time <u>3031</u> WESTERN SUN AVIATION TSMO41431 3013 N. Marshall Avenue Chico, CA 95926 FAA Approved Repair Station #403-26				

DATE 19 <u>87</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)																		
<u>8/12</u>				I certify that this aircraft engine has been inspected in accordance with <u>AEROSHELL W100 AND CH48110 FILTER.</u> a <u>120 HOUR/ANNUAL</u> inspection and was de- termined to be in airworthy condition. Signed <u>[Signature]</u> INSP. RS4027A Western Sun Aviation, Maintenance Dept. 4225 Donald Douglas Drive Long Beach, CA 90808 FAA RS 4027A DATE <u>8/12/87</u> T.T. <u>3169.88</u> W.O. <u>2237</u> tach/hobbs: <u>3169.88</u> DIFFERENTIAL COMPRESSION TEST <table border="1" style="width: 100%; text-align: center;"> <tr> <td>#1</td> <td>#2</td> <td>#3</td> <td>#4</td> <td>#5</td> <td>#6</td> </tr> <tr> <td>80</td> <td>80</td> <td>80</td> <td>80</td> <td>80</td> <td>80</td> </tr> <tr> <td>78</td> <td>78</td> <td>77</td> <td>75</td> <td></td> <td></td> </tr> </table> ① CHANGE OIL AND FILTER. SERVICED WITH ② #3/4 EXHAUST STACK CRACKED. REMOVED FOR REPAIR, REPAIRED, REINSTALLED SYSTEM. ③ REPAIRED YEA REMBRES SPARK PLUGS. ④ ⑤ JW BENDIX AD 7B-09-07R3 (IMPULSE) PER SB599B OK OK AT THIS TIME. DUE 14500 HOURS. (TACH 3669.88) ⑥ INSPECTED EXHAUST SYSTEM. RUN UP AND LEAK OK OK. NOTHING FOLLOWS	#1	#2	#3	#4	#5	#6	80	80	80	80	80	80	78	78	77	75		
#1	#2	#3	#4	#5	#6																	
80	80	80	80	80	80																	
78	78	77	75																			

DATE 19 <u>85</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
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10-2-85 TACH 2931
 ① CHANGE OIL Services with AERO Shell W-100
 7 quarts CHANGE OIL Filter, clean AIR INLET Filter
 Clean Gapped and tested SPARK plugs, check magnets
 timing, clean SERVO SCREEN, clean FUEL INJECTORS

I certify that this Engine Aircraft has been
 inspected in accordance with a (ANNUAL)
100 HC inspection and was determined to be in
 airworthy condition.

Signature Steve Jandry W.O. # 8287

Date 10-2-85 h Time 2931 Total Time 2931
SMOH 1331

WESTERN SUN AVIATION
 2023 4th Avenue
 El Cajon, CA 92020
 F.A.A. Approved Repair Station #403-26

DATE 19 <u>85</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
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11-19-85
 ② Removed Starter, Replaced Bendix
 Reinstalled Starter.

WESTERN SUN AVIATION

THE AIRCRAFT AND/OR COMPONENT IDENTIFIED ABOVE WAS RE-
 PAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL
 AIR REGULATIONS AND WAS FOUND AIRWORTHY FOR RETURN TO
 SERVICE.

Approved Repair Station No. 403-26

Date 11-19-85 Tach 2971

WO # 8483 Sig. Steve Jandry

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
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DATE 9-11-84 - oil on filter from this job
TACH 2590 add 8 to Airbell 100W
WOT 409056 ground run up ok.

Clyde 2285385 IA

TTSMOH 1047

TTSTOH 86

DATE 11-2-84 T.T. IN SERVICE 2647
AD'S CHECKED THRU: 84-20 I CERTIFY THAT
THIS *Engine* HAS BEEN INSPECTED IN ACCORDANCE
WITH A *Commut* INSPECTION AND WAS DETERMINED
TO BE IN AIRWORTHY CONDITION.
SIGNED: *Clyde*
NUMBER: 2285385 IA

- 1) service oil spark plugs
- 2) changed oil added 305
Airbell 100W

- 3) replaced air filter
- 4) replaced air filter
- 5) repaired lower center case
Bolt

DATE 11-2-84 TTSMOH 1047
COMPRESSION CHECK:
CYL. 1 78 CYL. 3 79 CYL. 5 —
CYL. 2 78 CYL. 4 77 CYL. 6 —

- 6) replaced oil quick drain valve 180
- 7) R3R #2 cylinder to relap intake valve - ground run
up ok 8) last entry

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
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DATE - 11-6-84 - replaced alternator with aeromag rebrist
TACH - 2648 unit - ground run up ok.
WOT - 411063 *Clyde* 2285385 IA

- 1) changed oil added 8 to
Airbell 100W
- 2) replaced air filter
- 3) ground run up ok
- 4) last entry

DATE 12-11-84 TACH
AD'S CHECKED THRU: 2701 I CERTIFY THAT
THIS *Engine* HAS BEEN INSPECTED IN ACCORDANCE
WITH A *Schum* INSPECTION AND WAS DETERMINED
TO BE IN AIRWORTHY CONDITION.
SIGNED: *Clyde*
NUMBER: 2285385 IA

TTSTOH 183

TTSMOH 1144

DATE Feb 1-85 T.T. IN SERVICE 2744
AD'S CHECKED THRU: 85-01 I CERTIFY THAT
THIS *Engine* HAS BEEN INSPECTED IN ACCORDANCE
WITH A *Commut* INSPECTION AND WAS DETERMINED
TO BE IN AIRWORTHY CONDITION.
SIGNED: *Clyde*
NUMBER: 2285385 IA

- 1) changed oil added 8 to Airbell 100W
- 2) COMPRESSION CHECK:
CYL. 1 79 CYL. 3 77 CYL. 5 —
CYL. 2 78 CYL. 4 78 CYL. 6 —

180

continued next Page

5

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
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6-6-84 2502 - CLEANED SPARK PLUGS AND CHECKED FUEL INJECTOR NOZZLE
ENGINE TEST RAN OK.

Signed



Martin Aviation, Maintenance
19331 Airport Way South
Santa Ana, California 92707
FAA RS 4027

DATE 6-6-84 T.T. 2502 W.O. 40791

tach/hobbs: 2512.3

Albert B. Cullen

TACH 2544

TTSMOH 944

DATE 7-18-84 T.T. IN SERVICE 2544

AD'S CHECKED THRU: 84-12 I CERTIFY THAT
THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE
WITH A Visual INSPECTION AND WAS DETERMINED
TO BE IN AIRWORTHY CONDITION.

SIGNED: Cullen
NUMBER: 2285385TA

TTSMOH 944

7-18-84 T.T. IN SERVICE 2544

COMPRESSION CHECK:

CYL. 1 78 CYL. 3 78 CYL. 5 -

CYL. 2 76 CYL. 4 79 CYL. 6 -

180

- 1) replace #2 cylinder with exchange unit see yellow tag.
- 2) service oil and filter added 8 qt. Amell 180
- 3) service all spark plugs
- 4) replace air filter
- 5) replace #4 rocker box gasket
- 6) tighten loose alternator
- 7) stroke prop 3 next governor. 8) ground run up of 9) best engine

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
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Date 7-25-84 - replace Prop Governor this date
TACH 2546 - (see yellow tag) ground run up ok
WO# 407045 - Cullen 2285385TA

Date - 8-27-84 - Complete Top overhaul done this date.
TACH - 2561 - see yellow tags Back of Book. all work done
WO# - 408052 - in accordance with Lycoming overhaul drive
service manual and Torque, limits cylinders exchanged for
chrome overhauled assy - service oil and replaced oil
filter added 8 qt. Amell 180 - aircraft test flown
this date and returned to service. replaced D.G.
with overhauled unit from Western Avionics see yellow
tag - oil cooler flushed out thickie - Cullen
2285385TA

TTSMOH 961

TTSTOH 0

TACH Time 2561

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
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11-25-83 Tach 2296.7 Cleaned, regapped and
Tested spark plugs. Retimed
RH mag. Ran engine and checked
for leaks. W/O 02999.

Gayle Borneman

FLIGHTCRAFT, INC.
7505 N. E. AIRPORT WAY
PORTLAND, OREGON
ARS4126 97218

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
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- 1) changed oil and filter
added 3 qts Amell 100w
- 2) replaced air filter
- 3) replaced 4 spark plugs
- 4) checked all spark plugs
- 5) c/w AD 78-09-07 R3
as per Barker SB-5993
- 6) reset valve spark & mixture.
- 7) checked fuel screen
- 8) ground run up ok
- 9) last entry

Tach 2446
DATE 4-19-84 T.T. IN SERVICE 846
AD'S CHECKED THRU: 84-06 I CERTIFY THAT
THIS airplane HAS BEEN INSPECTED IN ACCORDANCE
WITH A annual INSPECTION AND WAS DETERMINED
TO BE IN AIRWORTHY CONDITION.
SIGNED: [Signature]
NUMBER: 2285385-1A

2446
DATE 4-19-84 T.T. IN SERVICE 846
COMPRESSION CHECK:
CYL 1 78 CYL 3 77 CYL 5 ✓
CYL 2 76 CYL 4 76 CYL 6 ✓

180

DATE 5-30-84 - changed oil & filter added 3 qts
Tach 2493 Amell 100w - ground run up
W/O # 405034 OK - [Signature] 2285385-1A

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
	9-2-57		2200	Total Time 2200 hr
				Engine has been inspected
				50 hr inspected and was determined to be in airworthy condition.
				Signed Daniel K. Roy
				S/E NO. 859528
				100 hr 2242 Total Time 2242 adjusted & tested prop Governor
				Engine has been inspected
				100 hr Inspected and was determined to be in airworthy condition.
				Signed Daniel K. Roy
				S/E NO. 859528
				INST/6 New push rod seal #4541

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
	11-29-57		2293	Total Time 2293
	I Certify that this ENGINE has been inspected			
	in accordance with 50hr inspected and was determined to be in airworthy condition.			
	Signed Daniel K. Long			
	A/P NO. ACP 1899528			
	1-20-54		2346	Total Time 2346
	I Certify that this ENGINE has been inspected			
	in accordance with 100hr inspected and was determined to be in airworthy condition.			
	Signed Daniel K. Long			
	A/P NO. ACP 1899528			

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
	802-57		Total Time 1950	
I Certify that this	Engine			has been inspected
In accordance with	50 hr			inspected and was
determined to be in	airworthy condition.			
Signed	Danell K. By			
C/P NO.	Air 189565			
	329-57		Total Time 1999	Installed New
I Certify that this	Engine			Rocker Cover
In accordance with	100 hr			gaskets push Ro
determined to be in	condition			seals
Signed	Danell K. By			
C/P NO.	Air 189552			

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
	6-20-87		2090	Total Time 2090
	I Certify that this ENGINE has been inspected			
	In accordance with 50 hr inspected and was determined to be in airworthy condition.			
	Signed Danell K Long			
	P/N NO. ACP 1659526			
	7-31-87		2151 hr	Total Time 2151 hr Installed
	I Certify that this ENGINE has been inspected			Alternator Repair Kit
	In accordance with 100 hr inspected and was determined to be in airworthy condition.			Checked Elect System
	Signed Danell K Long			& adjusted Amp Gauge
	P/N NO. ACP 1659528			

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
10-28-81		Tack	1650.	Installed repaired fuel pump RSA 5AD1 by AviTech Run-up OK. Charles R. Little 571863098 AIP
				GENERAL AVIATION CO. FULLERTON MUNICIPAL AIRPORT 3915 W. COMMONWEALTH AVE. FULLERTON, CALIF. 92633

[illegible]

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND REPAIRS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				I CERTIFY THAT THIS <u>ENGINE</u> HAS BEEN INSPECTED IN ACCOR- DANCE WITH A <u>ANNUAL</u> AND WAS DETERMINED TO BE IN AN SATISFACTORY CONDITION. TACH TIME <u>1688.77</u> DATE <u>4-2</u> 19 <u>82</u> <u>Kevin A. Loos</u> <u>IA1570117</u> Cleaned Plugs & checked MAG Timing Did NOT change oil or Filter. Lubed All CONTROLS & Dressed Prop. C/W 100hr Per MANUFACT. Check Sheet.

DATE 1981	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
8-19	160239		WO # 7005	Installed IO-360C1C6 Engine Serial # L18555-51A in PIPER model 28R-701 Ser # 28R-7837169 Engine overhauled by R & J. AIRCRAFT INC WO # 14079 DATED 8/5/81 see prev page entry. Re installed oil cooler see yellow tag in rear of book Richards GENERAL AVIATION CO. 538242731 AYP FULLERTON MUNICIPAL AIRPORT 3915 W. COMMONWEALTH AVE. FULLERTON, CALIF. 92633 installed propeller Governor tested & overhauled by Santa Monica propeller see tag Rear of Book Richards 538242731 AYP.

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
DATE 9/25/81	TACH. TIME 1631			DATE T.I. IN SERVICE I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 hr INSPECTION AND WAS DETERMINED TO BE IN AN AIR WORTHY CONDITION MECH. Richards NO. 538242731 AYP W O. # 7136 GENERAL AVIATION CO. 3915 W. Commonwealth Ave. Fullerton, California 1. changed oil & replaced 5gts of non detergent oil 2. changed oil filter 3. changed air filter AD 81-18-04 N/A - OIL PUMP GEARS WERE THE CORRECT TYPE FROM DATE OF MANUFACTURE VERIFIED FROM BXC OMING. Robert W. Meekhan 1402067ID GENERAL AVIATION Co 12-4-81 1658 - Aero Shell 100 w installed in engine - changed filter. General Aviation Co Robert W. Meekhan 1402067ID

REGISTERED OWNER RECORD

REPAIRS AND ALTERATIONS

NOTES

NAME _____ ADDRESS _____

CITY _____ STATE _____ FROM _____ TO _____

NAME _____ ADDRESS _____

CITY _____

NAME _____

CITY _____

NAME _____

CITY _____

NAME _____

CITY _____

NAME _____

CITY _____

NAME _____

CITY _____

NAME _____

CITY _____ STATE _____ FROM _____ TO _____

NAME _____ ADDRESS _____

CITY _____ STATE _____ FROM _____ TO _____

WARRANTY

All engines warranted against defect in material and workmanship to 200 hours, to include parts and labor. An additional pro-rated warranty, parts only to 800 hours on direct drive engines and 600 hours on geared engines. All parts and labor to be approved by R & J Aircraft Engines prior to commencement of work. Cracked cylinders and crankcase excluded from all warranties unless it can be determined that they are a direct result of improper assembly. Loss of revenue or use of aircraft claims will not be allowed. All warranty adjustments will be based on a minimum of 30 hours per month usage. Accessory items to be warranted by vendor of such items.

R & J AIRCRAFT ENGINES

FAA Repair Station #465-36
202 E. Stevens, Suite G Santa Ana, CA 92707
(714) 751-0851

ENGINE CERTIFICATE

8-5-81

Major overhaul engine in accordance with manufacturers specification and current federal aviation regulations. All manufacture service bulletins and airworthiness directives complied with at overhaul. Magnafluxed and Zygo inspection of appropriate parts. Invoice No. 3373 on file with R & J Aircraft Engines, Santa Ana; engine reassembled and ready for installation.

Model IO-360C1C6Serial No. E18555-51A

Authorized representative _____

R & J Aircraft Engines, Inc. "D'SAON"

REPAIR STATION 465-36

202 E. Stevens Santa Ana, CA 92707

ENGINE RECORD — GENERAL INFORMATION

MANUFACTURER Lycoming MODEL IO-360C1C6
SERIAL L18555-S1A TYPE CERTIFICATE 1E10
THIS ENGINE IS CURRENTLY INSTALLED IN AIRCRAFT NC471C model PA28R-201
Serial # 28R-7837169
MINIMUM OCTANE FUEL _____ OIL GRADE SUMMER _____ WINTER _____
MAGNETO TIME _____ POINT SETTING _____ FIRING ORDER _____
SPARK PLUG GAP _____
MFG. RECOMMENDED OVERHAUL AT _____ HOURS.

The Standard



ENGINE LOG