

Left Engine

1712

ENGINE MAINTENANCE RECORDS



WESTERN
Skyways
INC.

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ENGINE MAINTENANCE RECORDS

Log No. _____

Aircraft Registration No. N1712

Engine Manufacturer LYCOMING

Model IO-540-E1B5

Serial No. L-5456-48

Date installed on aircraft _____

Time Between Overhauls (TBO) 1600 Hours

If used on multi-engine aircraft:

☐ RIGHT

☒ LEFT

☐ FRONT

☐ REAR

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

WESTERN SKYWAYS, INC.

1865 Ianna Dr. Montrose, Colorado 81401

Engine Make: LYCOMING Model: IO-540-E1B5
 Serial Number: L-5456-48 W/O No. 11180 Date: 4-2-98
 Warranty Number: 98067 Warranty Start Date: 4-98
 Gold Seal aircraft engine per LYCOMING Manual No. 60294-7-4
 This engine & accessories were remanufactured to "Factory NEW Tolerances". See back section for Airworthiness Directive & Service Bulletin compliances. This engine was run in a test cell. Total Previous Time: 1563.9 Hrs.

The accessories listed below were overhauled and supplied with this engine:

Part No.	Serial No.	Part No.	Serial No.
L/H Mag: 10-163010-10	872988	Prop Gov:	NA
R/H Mag: 10-163050-9	472414	Alt/Gen:	NA
Fuel Pump:	NA	Wastegate:	NA
Inj/Carb: 391787-4	24197	Controller:	NA
Man Valve: 391806		Controller:	NA
Starter: MHB-4016	9L000431	Relief Valve:	NA
Turbo:	NA	Vac Pump:	NA
		Oil Pump:	NA

MAINTENANCE RELEASE

The engine and accessories identified above were repaired and inspected in accordance with current Federal Aviation Regulations and were found airworthy for return to service. Pertinent details of this repair are on file at this repair station on above work order.

Signature


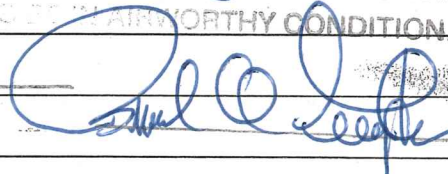
Repair Station No. WS9R575J


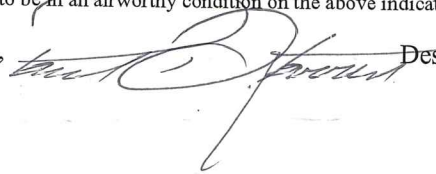

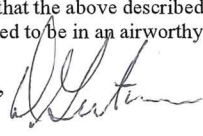
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THIS CRANK REMOVED 2/23/99

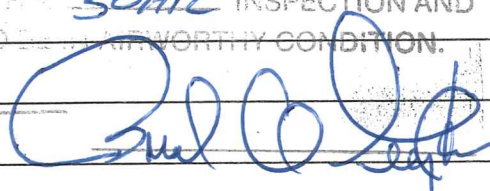
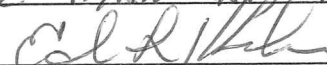
DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
5/8/98	HM 2405.2	Installed Engine IO540E1B5, SN L545648
TSMOH	0	IN left (#1) position of AIRCRAFT 1712 SN1450-159.
AP 95943		ENGINE WAS INSTALLED USING NEW LEAD MOUNTS & BOLTS.
		THE VACUUM PUMP, FUEL PUMP, SCAV. PUMP, PROP
		GOV., Hyd pump were all overhauled by Flightcraft
		@ PPX See yellow tags 81013. TURBO CHARGERS were
		Overhauled by Kel-TAK IND. See yellow tags. Exhaust
		WAS REMOVED O/H by Kinsley Welding (NEW). HOSES were
		Redone by Spencer Aircraft. Generator WAS
		O/H by Flightcraft PORTLAND. New Prop WAS
		installed AND spinner & gen belt. SERVICED
		ENGINE WITH shell 100 Non Det oil. USED
		NEW GASKETS AND SEALS TORQUED ENGINE
		MOUNTS INW Aero Com 500B S.H. Operational
		GROUND RUN NORMAL.
		W. Supt
		AP 28120198
		<div data-bbox="2032 1260 2318 1318" data-label="Text"> <p>CENTURION AIR MAINTENANCE, INC. 69335 HAWKFLIGHT DR. SISTERS, OR 97759</p> </div> <div data-bbox="2536 1260 2685 1358" data-label="Text"> <p>DATE: 06-19-98 A/C: 600B N# 1712 HOBBS: 2443.1 TSMOH: 37.9</p> </div> <div data-bbox="2032 1374 2735 1467" data-label="Text"> <p>SERVICES: Change oil and filter. Service engine with 12 qts Aeroshell 100w. Check oil filter for metal. Adjust oil pressure. Return aircraft to service.</p> </div> <div data-bbox="2032 1467 2809 1620" data-label="Text"> <p> AP 54410659</p> </div>

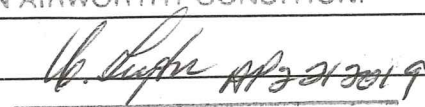

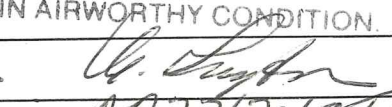
DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
7/3/98	2455.5	<p>VISUAL ON ENGINE & EXHAUST checked timing @ 20° BTDC RET. 2° BTDC I CERTIFY THAT THIS <u>ENG</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>50 hr</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. CENTURION AIR MAINTENANCE</p> <p><i>change turbo filter @ 148.8 hrs</i> <i>check AD's 98-12</i> <i>U. Dwyer</i> <i>AP 2212028A</i></p>
<div><div><p>CENTURION AIR MAINTENANCE, INC. 69335 HAWKFLIGHT DR. SISTERS, OR 97759</p></div><div><p>DATE: 07-26-98 A/C: 600B Commander N# 171Z HOBBS: 2498.1 TSMOH: 99.6 <i>72.9</i> LEFT ENGINE</p></div><div><p>SERVICES: Perform 100 hour inspection. Change oil and filter. Service engine with 12 qts Aeroshell 100W. Check oil filter for metal. Check oil screen. Compression check as follows: #1 78 #2 75 #3 77 #4 76 #5 75 #6 75. Check mags and mag timing. Clean gap and rotate spark plugs. Check exhaust and turbo system. Repaired Lt. wastegate. Adjusted oil pressure. Change turbo oil filter. C/W AD 93-02-5 Re: fuel injector lines. Clean and reoil airfilter element. Check all ADs thru 98-14.</p></div><div><p>I CERTIFY THAT THIS AIRCRAFT // ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>ANNUAL // 100HR // 50HR</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. <i>U. Dwyer</i> <i>AP544130659</i></p></div></div>		
8/13/98	2550.8	<p>INSTALLED NEW TACH cable P/N 610217-501 OPS check good. <i>U. Dwyer</i> <i>AP544157654</i></p>
8/16/98	2553.6 TSMOH 148.4	<p>change oil & filter check screen for metal more found - Service w/ shell 100w Puffin 50 ran on engine IAW USFS Imp from Visual on engine & exhaust. I CERTIFY THAT THIS <u>ENGINE</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>50 hour</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. CENTURION AIR MAINTENANCE</p> <p><i>U. Dwyer</i> <i>AP 2212028A</i></p>

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
9-20-98	2561.6 TSMOH 156.4	<p>Remove Engine due to low oil pressure <i>U. Dwyer</i> <i>AP 2212028A</i></p>
<p>IO-540-E1B5 S/N: L-5456-48 Hobbs: 2561.6 Hrs. W/O: 11728 Date: 11-16-98</p> <p>This engine disassembled for low oil pressure. Crankcase M/N 362 was sent to DIVCO, Inc. Crankshaft S/N 7507 was sent to Aircraft Specialties Services for regrind. Engine was reassembled with new rod and main bearings and gaskets. All work was done IAW Lycoming overhaul manual 90294-7-4 and table of limits. Engine was run in a test cell for leak and operations check.</p> <p>The Engine identified above was repaired and inspected IAW current FAA regulations and was found airworthy for return to service. Pertinent details of this repair are on file at this repair station on above work order.</p> <p><i>U. Dwyer</i> Perry Nicholson Western Skyways, Inc. CRS No. WS9R575J</p>		
<div><div><p>CENTURION AIR MAINTENANCE, INC. 69335 HAWKFLIGHT DR. SISTERS, OR 97759</p></div><div><p>DATE: 12-16-98 A/C: 600B N# 171Z HOBBS: 2561.6 TSMOH: 156.4</p></div><div><p>SERVICES: Reinstall engine this date after repairs made at Western Skyways. Reinstalled using existing mounts, and with all required torque values. Serviced engine with 15 qts Aeroshell 40. Installed turbochargers using new gaskets. Test run ok.</p></div><div><p>I CERTIFY THAT THIS AIRCRAFT // ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>ANNUAL // 100HR // 50HR</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. <i>U. Dwyer</i> <i>AP544130659</i></p></div></div>		
11/18/99	2563.5	<p>Removed Eng due to low oil pressure <i>U. Dwyer</i> <i>AP 2212019</i></p>

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
		<p>IO-540-E1B5 S/N: L-5456-48 Hobbs: 2563.3 Hrs. W/O: 11967 Date: 2-22-99</p> <p>This engine disassembled for low oil pressure. Crankcase M/N 362 was exchanged for yellow tagged case M/N 1325. Crankshaft S/N 7507 was exchanged for yellow tagged crankshaft S/N 40597. Exchanged accessory housing and oil filter adapter for serviceable components. Engine was reassembled with new rod and main bearings and gaskets. All work was done IAW Lycoming overhaul manual 90294-7-4 and table of limits. Engine was run in a test cell for leak and operations check.</p> <p>The Engine identified above was repaired and inspected IAW current FAA regulations and was found airworthy for return to service. Pertinent details of this repair are on file at this repair station on above work order.</p> <p style="text-align: right;">  Perry Nicholson Western Skyways, Inc. CRS No. WS9R575J </p>
03/5/99	2563.5	REINSTALLED ENGINE THIS DATE, AFTER REPAIRS
TSMOW	158.3	COMPLETED AT WESTERN SKYWAYS, REINSTALLED ENGINE IAW ALL SERVICE INSTRUCTIONS AND TORQUE VALUES, SERVICED ENGINE WITH 15 QTS AEROSHELL 100W. OPS CHECK WAS OK.
		<p>I CERTIFY THAT THIS <u>ENGINE</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>100 HR</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.</p> <p>CENTURION AIR MAINTENANCE</p> <p style="text-align: right;">  AP544130659 </p>

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
		
		N171Z July 12, 1999 ACTT <u>9816.7</u> W.O. 3151 Left Engine
		<p>Complied with a 50 hour inspection in accordance with maintenance manual requirements. Repaired broken wire in magneto retard wire to correct hard starting problem. Ground runs, operational checks and leak checks complied with, no discrepancies noted.</p> <p style="text-align: center;">APPROVAL FOR RETURN TO SERVICE</p> <p>I certify that the aircraft identified above has been inspected IAW a "50 hour" type inspection and has been determined to be in an airworthy condition on the above indicated date IAW the requirements of FAR 91.409 (f).</p> <p>SIGNED,  Designated Inspector for CRS O9IR003Y.</p>
		
		N171Z, TCAC 500B, S/N 1450-159 W.O. 3245 August 27, 1999 ACTT 9866.6 hours/Meter 2682.6 hours Left eng TSO 277.4 hours
		<p>Performed 100 hour inspection IAW FAR43, appendix D. Changed engine oil, serviced with Aeroshell 15-50W. Researched AD's through 99-16. Performed 100 hour recurring inspection IAW AD93-02-05 "Fuel injector lines". Performed <i>initial</i> inspection IAW AD98-18-12 "Fuel pump torque check", screws were all tight. Verified AD97-15-11 "Lycoming cylinder kits" is not applicable by date. Verified AD98-17-11 "Crankshafts" is not applicable by date. Verified that AD99-04-04 "Magneto impulse coupling" is not applicable by engine model number. Adjusted left oil pressure to specifications.</p> <p style="text-align: center;">APPROVAL FOR RETURN TO SERVICE</p> <p>I certify that the above described engine has been inspected IAW a 100 hour type inspection and has been determined to be in an airworthy condition on the above described date per the requirements of FAR 91.409(f).</p> <p>Signed,  Inspector, Aero Air LLC., CRS# 091R003Y</p>
		R.S. O9IR003Y • 2050 N.E. 25th • Hillsboro, OR 97124

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
99 10/4	2728.0	COMPLETED 50 HR INSPECTION IAW 50HR INSPECTION SHEET. CHANGE OIL AND FILTER SERVICE ENGINE W/12QTS AEROSHELL 15W50. CHECK FILTER FOR METAL. GENERAL INSPECTION OF ENGINE, CHECK ALL RELATED SCREENS. OPS CHECK GOOD. I CERTIFY THAT THIS <u>ENGINE</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>50HR</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. CENTURION AIR MAINTENANCE  AP541130659EA
		10-25-99 Hobbs 27425 TTENG 337.3 TTR/C 9926.5 C/W AD 98-18-12 ADMT 89-10728 IN ACCORDANCE WITH SB 529 TORQUE CHECK OF SCREWS ON FUEL PUMP DOE ADMT 89-10728 A/C TIME 9976.5 C/L R/H  AP1731350
4/10/2000 TSMOH	H/M 2743.7 338.5	Performed 100 hour inspection IAW VSFS 100hr Check List Changed oil & filters Inspect for metal, none found Service w/shell 100W. Compression was as follows: #1 76/80 #2 74/80 #3 73/80 #4 74/80 #5 76/80 #6 74/80 checked map & timing @ 20° BT. Clean, gap, rotate spark plugs. Visual on Exhaust Check AD93-02-05 fuel inj. lines due ca 100hrs. C/W AD 98-18-12 on Fuel Pump screws torque <u>Tight @ this time.</u> Check AD's THRU 20004 Weld R/H Exhaust stack & balance tube. Repair waste-gate Reinstall using new Nuts torque & safety. All systems normal ON GROUND RUN-UP.

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
4/10/2000	H/M 2743.7	I CERTIFY THAT THIS <u>ENGINE</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>100hr</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. CENTURION AIR MAINTENANCE  AP2212019
		N# 171Z Hobbs: 2789.2 Date: 7/5/2000 WO#101273 1.) Drained oil and filled with 12qts aeroshell W100 oil. 2.) Changed turbo filter P/N CH48108 and engine filter P/N CH48110. 3.) Completed Aero Commander 50 hour inspection. 4.) Ran and leaked checked Joshua Bradford AP541157654 
9/1/00 TSMOH	H/M 2839.7 434.5	Perform 100 hr Insp IAW VSFS Insp Guide. Change oil & filters Insp for metal none found Service w/shell 100W. Sample taken & lower bump screen clean. Clean, gap, rotate spark plugs check Mag timing @ 20° BT. Comp. was as follows <u>HOT</u> #1 76/80 #2 74/80 #3 75/80 #4 76/80 #5 74/80 #6 75/80 Remove rgt inbd turbo mount bracket, weld, reinstalled torque & safety C/W AD 93-02-05 Fuel inj line insp due ca 100hrs (2939.7) Check AD's THRU 2000-16 I CERTIFY THAT THIS <u>ENG</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>VSFS 100hr</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. CENTURION AIR MAINTENANCE  AP221201977

D.

N171Z, Commander 500B, S/N 1450-159 W.O. 4554 May 25, 2001

ACTT: 10053.4 hours/hobbs 2869.5 hours

L. engine S/N L-5456-48, TSO: 464.3 hours

Performed 100 hour/annual inspection IAW Forest Service Report FS5700-F. AD's researched through 2001-10. Complied with AD98-18-12 "Fuel pump torque check", screws required retorqued and retorqued is required again in 50 hours or 6 months, whichever comes first. Complied with recurring inspection per AD93-02-05 "Fuel Injection Lines". Changed engine oil and filters (Aeroshell 50W). Performed compression check, cleaned spark plugs. Repaired oil leak by tightening a loose oil line. Replaced engine air filter with a new Bracket filter P/N BA151E per STC SA71GL. Replaced frayed turbocharger output/engine induction hoses as needed. Engine functionally checked and leak checked as necessary.

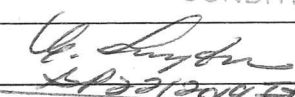
APPROVAL FOR RETURN TO SERVICE

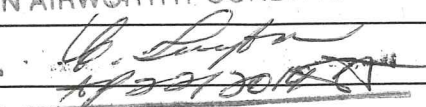
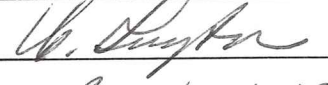
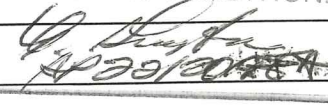
I certify that the above aircraft/engine has been inspected IAW a 100 hour/annual type inspection and has been determined to be in an airworthy condition on the above date IAW the requirements of FAR91.409(f).

Signed: 

Inspector, Aero Air LLC, CRS 09IR003Y
2050 NE 25 Ave. Hillsboro, OR 800-448-2376

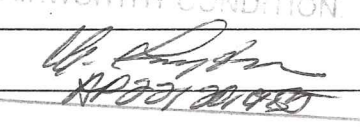
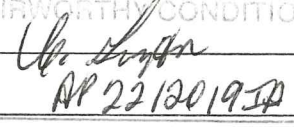


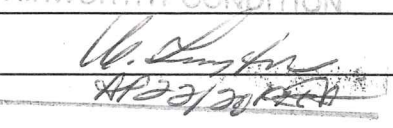
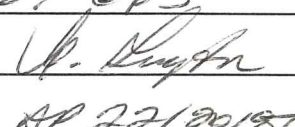
7/27/01	^{HM} 2914.7	Perform 50 hr Insp IAW USFS Guide.
TSMOH	509.5	Change oil & check screen, filter and turbo filter CH4508 for metal none found. Sample taken. Service w/Shell 100W. Visual on Exhaust.
		I CERTIFY THAT THIS <u>Engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>50hr</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
		CENTURION AIR MAINTENANCE  8/22/2001
8/13/01	^{HM} 2968.5	Performed USFS 100 hr Insp, Change oil & filters & suction
TSMOH	563.3	Screen, NO METAL Service w/Shell 100W (1293). Check Compression H/T #1 70/80 #2 74/80 #3 70/80 #4 74/80 #5 74/80 #6 70/80 Clean, Gap, Rotate Spark plugs Check Mag Timing Visual on Exhaust, Check FI Screen & Sump CK AD 98-18-12 Fuel pump torque - due every 6 mos OR 50hrs. CK AD 93-02-05 Fuel/INTJ lines. Insp Every 100hrs. CK AD's THRU 2001-15 cont 1

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
		CERTIFY THAT THIS <u>ENG</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>USFS 100hr</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
		CENTURION AIR MAINTENANCE  8/22/2001
8/29/01	^{HM} 3015.5	Perform USFS 50 hr ON ENGINE Change OIL & Filters check filters & suction screen for metal, none found Service w/ 12/93 Shell 100W. Remove IGNITION HARNESS (Champion) INSTALL SLICK HARNESS (NEW) P/NW2121. Ops & leak OK NORMAL. Visual on Exhaust, Clean Air filter.
		 8/22/2001
9/24/01	^{HM} 3065.6	Perform 100 hr USFS ON ENGINE
TSMOH	660.4	IAW USFS Insp. guide. Change oil & filters CK for metal none found. Saw, w/Shell 100W. Checked Compression #1 75/80 #2 74/80 #3 74/80 #4 72/80 #5 74/80 #6 70/80 CK Mag Timing @ 20° BTC. Visual on Exhaust. CK AD 93-02-05 on fuel INTJ lines - due cv. 100hrs. CK good. CK torque ON Fuel pump IAW AD 98-18-12. CK AD's THRU 2001-17.
		I CERTIFY THAT THIS <u>ENG</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>USFS 100</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
		CENTURION AIR MAINTENANCE  8/22/2001

DATE 2002	TACH OR RECORDING METER TIME H:M	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
3/1/02	3087.2	Perform 100m Insp on ENGINE IAW USFS
TSMOH	682.0	INSPECTION GUIDE. Change OIL & FILTERS & CHECK SECTION
ET-22459		SCREEN (NO METAL) SERVICE W/ SHELL 100W ^{SAME} TACK
		COMPRESSION #1 75/80 #2 75/80 #3 73/80 #4 74/80 #5 74/80 #6 74/80
		Removed Mags for 500m Insp. Disassemble, R&R
		MAIN POINTS REASS. IAW TOM/BENDIX O/H MAN
		REINSTALL USING NEW GASKETS & TIME TO ENGINE
		@ 20° BTCL. Clean, Gap, Test, Rotate SPARK
		PLUGS. VISUAL ON EXHAUST, FOUND R/H STACK
		CRACKED @ BALANCE TUBE, WELD & REINSTALL
		USING NEW GASKETS. Clean FUEL SUMP & SERVO
		SCREEN. FOUND PROP INSTALLED ONE HOLE
		OFF. REMOVE SPINNER & PROP RESEAT DISHINGS
		IN CRANK & INDEX SUPPORT TO CORRECT LOCATION
		IAW LYC & HARTMAN O/H MANS. Desludge CRANK
		& PROP INSTALL NEW ORING (MS28775-228)
		INSTALL PROP TORQUE TO 65 FT LBS & SAFETY
		REINSTALL SPINNER & TIGHTEN GEN BELT.
		C/W AD 93-02-05 ON FI LINES OK good due
		EA100ms. C/W AD 98-18-12 ON TORQUE OF
		FUEL PUMP SCREWS OK good. OK AN 2000-18-53
		ON OIL FILTER ADAPTER DNA BY MODEL OF ENGINE.
		CHECK ADS THRU 2002-04. All systems NORMAL
		ON GROUND RUN.
		I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED
		IN ACCORDANCE WITH A USFS 100m INSPECTION AND
		WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
		CENTURION
		AIR
		MAINTENANCE
		AP 23120197A

DATE	TACH OR RECORDING METER TIME H:M	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
6/7/8	3130.7	Performed 50 hour Insp IAW USFS
		50 guide. Change OIL & FILTERS check
		FILTERS & SUCTION SCREEN FOR METAL NONE
		FOUND SERVICE WITH 12 QTs Shell 100W.
		VISUAL ON ENGINE & EXHAUST.
		I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED
		IN ACCORDANCE WITH A USFS 50m INSPECTION AND
		WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
		CENTURION
		AIR
		MAINTENANCE
		AP 23120197A
7/13/02	3181.0	Performed 100 hr. IAW USFS Insp
TSMOH	775.8	guide. Change OIL & FILTERS, check
		TURBO FILTER, MAIN FILTER AND SUCTION SCREEN
		FOR METAL - NONE FOUND. SERV. w/ 12 QTs Shell 100
		COMP. #1 76/80 #2 75/80 #3 73/80 #4 76/80 #5 77/80 #6 74/80
		CHECK Mags & TIMING @ 20° BTCL. Clean, gap
		ROTATE spark plugs. VISUAL ON EXHAUST
		OK AD 93-02-05 ON FUEL INLET LINES
		& brackets OK good one on 100ms. OK
		ENG FUEL PUMP - TORQUE SCREWS IAW AD
		98-18-12 2000-18-53 C/W AD 98-18-12 FUEL SUMP & SCREEN.
		OK AD'S THRU 2002-12.
		I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED
		IN ACCORDANCE WITH A USFS 100m INSPECTION AND
		WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
		CENTURION
		AIR
		MAINTENANCE
		AP 23120197A

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
8-14-02	HM 3220.9	Perform USFS 50 hour Prop Change oil & filters, check suction screen no metal in filters or screen. Service w/ 12905 Shell 100W. Visual on exhaust & engine. CK fuel pump AD 2000-18-53 torque on fuel pump screws. Due ca 50hrs CR AD's THRU 2002-14.
		I CERTIFY THAT THIS <u>ENGINE</u> HAS BEEN INSPECTED IN ACCORDANCE WITH <u>50H USFS</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. CENTURION AIR MAINTENANCE  AP 22/2019 ID
9/10/02	HM 3261.4	Performed 100 hr Insp on engine
BMOH	856.2	IAW USFS Insp Guide. Change oil & filters INSPI filters & screens for metal none found. Service w/ 12905 Shell 100W. Compression (HOT) #1 79/80 #2 73/80 #3 75/80 #4 74/80 #5 75/80 #6 75/80 Check Mags & timing @ 2000RPM. Clean, gap, rotate spark plugs. Weld left OUTBOARD STACK @ CROSSOVER TUBE. C/W AD 93-05-02 ON FI lines, due ca 100hrs CR gnd C/W AD 98-18-12 CK AD's THRU 2002-14.
		I CERTIFY THAT THIS <u>ENG</u> HAS BEEN INSPECTED IN ACCORDANCE WITH <u>USFS 100H</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. CENTURION AIR MAINTENANCE  AP 22/2019 ID

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
9/24/02	HM 3306.7	Performed USFS 50 hr Insp IAW USFS Insp guide. CHANGE OIL & filters INSPI filters & suction screen for metal service w/ Shell 100W. CK AD's THRU 2002-17 OPS & LEAK CK NORMAL. P&R TACH CABLE & TACH GEN see AIFlog.
		I CERTIFY THAT THIS <u>ENGINE</u> HAS BEEN INSPECTED IN ACCORDANCE WITH <u>USFS 50H</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. CENTURION AIR MAINTENANCE  AP 22/2019 ID
9/30/02	HM 3314.7	Remove Prop and check CRANK FLANGE for CRANKSHAFT S/N. 75077 check S/N AGAINST AD 2002-19-03 LYC SB 552 & 553 DNA - SERIAL NUMBER is NOT ON LIST. REINSTALL PROP, TORQUE & SAFETY, used NEW PROP O-RING AN4230-6, OPS & LEAK CHECK NORMAL.  AP 22/2019 ID
29 Oct 03	3331.4	Replaced crankshaft gear bolt IAW AD 2002-20-51 and SB 554 by installing QSK 19987. Reassembled engine accy case per Lyc Overhaul Manual and reinstalled engine in aircraft. Serviced with Aeroshell W100 oil. Replaced all hoses and flex duct per AD 81-19-04 (A)(1) - Due next in 60 months (OCT 2007). Hoses were fabricated by Air Pro Inc. Replaced oil filters. Runup normal. Richard A. Marshall A&P 2230521

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
12/18/02	HM 3339.3	C/W AD Note 2002-23-06 ON CRANKSHAFT BELT by INSTALLING TEX.LYC/KIT 05K19987 USED NEW GASKETS & SEALS INSTALLED IDW TEXLYC O/H MANUAL. SERV. W 12 QTS Shell 40 OIL. OPERATIONAL & LEAK CHECK NORMAL. U. Lytton AP2210019IA
3/11/03	HM 3339.3 ETI. 2495	Remove Generator, Bracket & Belt Support. INSTALL AIRCORDER ALTERNATOR IDW SIC SA01677AT NEW BELT SUPPORT BRACKET & ALTERNATOR. Remove Prop, REINSTALL AFTER INSTALLING SUPPORT USING NEW O-RING, TORQUE & SAFETY. U. Lytton AP2210019IA
5/8/03	HM 3345.9 TSMOT 940.7	Performed 100 hr INSP ON ENGINE IDW USFS INSP guide. Change OIL & filters & screen NO METAL FOUND, SERVICE W/12 QTS Shell 100W. Comp. Test #1 76/80 #2 70/80 #3 70/80 #4 72/80 #5 76/80 #6 73/80 Clean, Gap, Rotate Spark plugs, check Magns & TIMING @ 20° BTC. Visual on Exhaust & WASTE GATES lube wastegates & cables, Clean Fuel screen & Check Fuel INS lines & brackets IDW AD 2002-26-01 Check IDW Lyc. SB. due @ ANNUAL OR 100 hrs. Check ADS THRU 2003-08 I CERTIFY THAT THIS <u>ENG</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>USFS 100 hr</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. CENTURION AIR MAINTENANCE U. Lytton AP2210019IA

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
5/17/03	HM 3348.6 ETI. 2507.3	Replaced LH (OTBD) Turbocharger w/ RJ0080-10A S/N: 99691 using new gaskets. Replaced fuel servo RS10-B1 P/N: 391787-4 S/N: 395. Adjusted idle speed and mixture. Runup normal. Richard A. Marshall A+P 223051
5/4/03	HM 3349.0 ETI 2507.7	Removed LH (OUTBD) TURBO - sent back to MAIN TURBO Ops Bench OK Good. REINSTALL USING NEW GASKETS. Removed R/H TURBO Center section worn out. INSTALL O/H TURBO RS0080-102 S/N 2459 See Yellow Tag MAIN TURBO. Used New Gaskets, Ops & leak CK NORMAL. U. Lytton AP2210019IA
24 Sep 04	HM: 3162.5 TT: 2861.2 Smoit: 1297.3	Changed oil - Aeroshell w100, out and inspected filters, sampled oil, serviced plugs, checked timing

Date: 09/04/2003 Signed Ed Wokos Inspector for Premier Aircraft RS JZYR537L

TSOH 1054.6

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
31 Mar 04	3526.7	SMOH: 1121.2 Inspected engine per USFS 100 hr inspection guidelines. Changed oil - Aeroshell w100, cut and inspected old filters, serviced plugs, checked timing, repaired and reinstalled RH turbo mt bracket, replaced air filter c/w AD 2002-26-01 by inspecting fuel injection lines - OK Due again 3626 c/w 2003-14-03 by checking fuel pump Torque - OK Due next 3626. Runup normal #1 76/80 * 2 76/80 * 3 72/80 * 4 79/80 * 5 76/80 * 6 76/80 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN <u>ANNUAL</u> INSPECTION AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION. Richard A Marshall A+P 2230521 1A
10709.6		N171Z Lyt engine 3/24/04 HM: 3458.7 3528.7 Replaced LH mag w/ P/N BL-600616-3R S/N E04CA247R using new drive bushings and gaskets. Runup normal. Richard A. Marshall A+P 2230521
18 June 04	HM: 3574.2 SMOH: 1169.0	Changed oil - Aeroshell w100, cut and inspected oil filters, washed engine, runup normal. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN <u>50 HR</u> INSPECTION AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION. Richard A Marshall A+P 2230521
21 July 04	HM: 3612.7 SMOH: 1207.5	Changed oil - Aeroshell w100, completed inspection per USFS 100 hr inspection guidelines, replaced air filter, RORRH mag BL-600646-1 S/N: E04DA068R #1 77/80 * 2 76/80 * 3 75/80 * 4 76/80 * 5 77/80 * 6 75/80 c/w 2002-26-01 by insp fuel inj lines Due next 3712 HM c/w 2003-14-03 by checking fuel pump Torque - OK I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN <u>100 HR</u> INSPECTION AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION. Richard A. Marshall A+P 2230521

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
7/21/04	7612.7	AD 2004-05-24c PCW Per PAR (F) (1) By INSTALLING BOLT REPLACEMENT KIT OSK 19987 7/30/2003 m/ By AHP 46274784
7/21/04	3612.7	AD 2004-10-14c PCW Per AD 91-14-22 ADP 7-30-2003 m/ By AHP 46274784

Premier Aircraft, 1000 NW Perimeter Way, Troutdale, OR 97060-9524 503-661-4184

Manufacturer Lycoming
Model Number IO-540-E1B5
Serial Number L-5456-48

Hobbs Time 3649.3

Date 08/12/2004
Work Order 08933

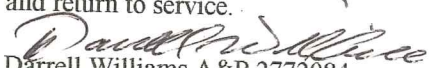
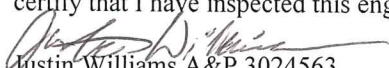
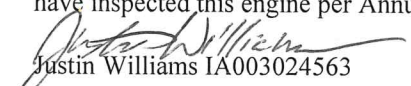
The following work was performed as requested by the owner/operator: Removed the hydraulic pump. Replaced the shaft seal in the scavenge pump. Reinstalled the hydraulic pump. Leak checked. No other work, inspection or determination of airworthiness was accomplished at this time.

The article identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service in respect to the work that was accomplished. Pertinent details of the repair are on file at this Repair Station under Work Order Number 08933.

Date: 08/12/2004 Signed Richard A. Marshall Inspector for Premier Aircraft RS JZYR537L.

16 Aug 04	HM: 3660.2 SMOH: 1255.0	Changed oil - Aeroshell w100, cut and inspected old filters, washed engine, runup normal. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN <u>50 HR</u> INSPECTION AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION. Richard A. Marshall A+P 2230521
24 Sept 04	HM: 3702.5 TT: 2861.2 SMOH: 1297.3	Changed oil - Aeroshell w100, cut and inspected old filters, serviced plugs, sampled oil, checked timing, replaced air filter, washed engine. c/w AD 2002-26-01 by insp fuel inj lines per MSB 342D. c/w AD 2003-14-03 by checking fuel pump torque - OK. #1 75/80 * 2 75/80 * 3 72/80 * 4 77/80 * 5 73/80 * 6 77/80. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN <u>50/100 HR</u> INSPECTION AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION. Richard A. Marshall A+P 2230521

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
11 Jan 05	3728.1	TT: 2886.8 SMOH: 1322.9 Changed oil - Aeroshell 100, serviced plugs, checked timing, replaced oil filters, cleaned suction screen, cleaned fuel screen, washed engine, repositioned engine nuts to align engine correctly, reinstalled
	SN: 1813804	overhauled governor using new gasket and rigged prop control, #1 75/80 #2 74/80 #3 68/80 #4 75/80 #5 75/80 #6 73/80.
		C/W 2002-26-01 by insp fuel inj lines per MSB.344D
		C/W 2003-14-03 by checking fuel pump bolt torque -OK
		I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION. Richard A. Marshall A-P 2230571 1A
		N171Z 02-01-2007 Hobbs Time: 3749.1 Left Engine: SMOH: 1343.9 TT: 2907.8 Drained oil, removed filter, cut filter, no metal noted. Serviced with 11 qts of Aeroshell 100, 50W and new Champion oil filters CH48110. Replaced turbo filters with new CH48108 filters. Compression test: #1: 70/80, #2: 70/80, #3: 70/80, #4: 77/80, #5: 78/80, #6: 74/80. Checked exhaust for leaks, cracks and defects. Checked baffle for cracks, none found this date. Cleaned, gapped, and rotated spark plugs. Checked engine timing. Cleaned fuel screens, suction screens. Checked turbos for leaks, none found this date. Lubricated with "mouse milk lubricate". Test run engine, no leaks this date. I certify that I have inspected this engine per 100 hour inspection and return to service. Darrell Williams A&P 2772084
		N171Z 04-08-2008 Hobbs Time: 3779.0 Left Engine: SMOH: 1373.0 TT: 2937.8 Drained oil, removed filter, cut filter, no metal noted. Serviced with 11 qts of Aeroshell 100, 50W and new Champion oil filters CH48110. Replaced turbo filters with new CH48108 filters. Compression test: #1: 74/80, #2: 72/80, #3: 75/80, #4: 75/80, #5: 74/80, #6: 72/80. Checked exhaust for leaks, cracks and defects. Checked baffle for cracks, none found this date. Cleaned, gapped, and rotated spark plugs. Checked engine timing. Cleaned fuel screens, suction screens. Checked turbos for leaks, none found this date. Lubricated with "mouse milk lubricate". Test run engine, no leaks this date. I certify that I have inspected this engine per 100 hour inspection and return to service. Darrell Williams A&P 2772084

N171Z		WORK PERFORMED -- OF PERSON PERFORMING WORK
06-01-2009 Hobbs Time: 3812.6 Left Engine: SMOH: 1406.6 TT: 2971.4 Drained oil, removed filter, cut filter, no metal noted. Serviced with 11 qts of Aeroshell 100, 50W and new Champion oil filters CH48110. Replaced turbo filters with new CH48108 filters. Compression test: #1: 72/80, #2: 70/80, #3: 74/80, #4: 74/80, #5: 73/80, #6: 72/80. Checked exhaust for leaks, cracks and defects. Replaced vacuum pump this date with overhauled unit part# 3P207JA serial# 47611. Checked baffle for cracks, none found this date. Cleaned, gapped, and rotated spark plugs. Checked engine timing. Cleaned fuel screens, suction screens. Checked turbos for leaks, none found this date. Lubricated with "mouse milk lubricate". Test run engine, no leaks this date. I certify that I have inspected this engine per 100 hour inspection and return to service.		
 Darrell Williams A&P 2772084		
N171Z 12-14-2010 Hobbs Time: 3836.9 Left Engine: SMOH: 1430.9 TT: 2995.7 Drained oil, removed filter, cut filter, no metal noted. Serviced with 12 qts of Aeroshell 100, 50W and new Champion oil filters CH48110. Replaced turbo filters with new CH48108 filters. Compression test: #1: 74/80, #2: 70/80, #3: 75/80, #4: 76/80, #5: 73/80, #6: 72/80. Checked exhaust for leaks, cracks and defects. Replaced vacuum pump this date with overhauled unit part# 3P207JA serial# 47611. Checked baffle for cracks, none found this date. Cleaned, gapped, and rotated spark plugs. Checked engine timing. Cleaned fuel screens, suction screens. Checked turbos for leaks, none found this date. Lubricated with "mouse milk lubricate". Test run engine, no leaks this date. I certify that I have inspected this engine per 100 hour inspection and return to service.		
 Justin Williams A&P 3024563		
N171Z 02-27-2012 Hobbs Time: 3842.8 Left Engine: SMOH: 1436.8 TT: 3001.6 Did not change oil at this time due to not enough time since last oil change. Did not change oil on turbo filter due to not being enough time since last filter change. Compression test: #1: 72/80, #2: 74/80, #3: 74/80, #4: 76/80, #5: 73/80, #6: 72/80. Checked exhaust for leaks, cracks and defects. Checked baffle for cracks, none found this date. Cleaned, gapped, and rotated spark plugs. Checked engine timing. Cleaned fuel screens, suction screens. Checked turbos for leaks, none found this date. Lubricated with "mouse milk lubricate". Test run engine, no leaks this date. AD 2011-15-10 To remove certain fuel servos from service: N/A does not apply to this engine. Servo have not been overhauled by AvStar. AD 2011-26-04 To prevent failure of the fuel injector lines: Inspected fuel lines and clamps on both engines this date as per AD. All lines and clamps check satisfactory this date. I certify that I have inspected this engine per Annual inspection and return to service.		
 Justin Williams IA003024563		

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED --
		SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
November 7, 2014		
N171Z S/N:1450-159		
#1 Engine IO-540-E1B5 S/N: L-5456-48		
Hobbs Time: 3852.0		
Engine SMOH: 1446.0		
Engine TTSN: 3004.9		
Inspected Engine IAW Aero Commander 500 Series Inspection Guide. Engine Compression #1-74/80; #2-70/80; #3-72/80; #4-70/80; #5-77/80; #6-72/80. Cleaned, Gapped, and Tested Spark Plugs. Checked Engine Timing, Cleaned Fuel Screen. Changed Oil With 10 qts. of Aeroshell 100W Plus, Replaced Oil Filter With P/N: CH48110-1, Replaced Turbo Oil Filter with P/N: CH48108-1, Replaced Intake Filter with P/N: BA151E, Replaced Both Alternator Belts during Propeller Removal for Overhaul. AD 80-04-03 R2 C/W by oil type, AD 2011-26-04 To Prevent Failure of the Fuel Injector Lines – Inspected Fuel Lines and clamps. I certify that this engine has been inspected in accordance with an annual inspection, and was found to be in airworthy condition.		
IA 2713758		
Michael Tsvirinko		
December 14, 2015		
N171Z S/N:1450-159		
#1 Engine IO-540-E1B5 S/N: L-5456-48		
Hobbs Time: 3852.3		
Engine SMOH: 1446.3		
Engine TTSN: 3005.2		
Inspected Engine IAW Aero Commander 500 Series Inspection Guide. Engine Compression #1-74/80; #2-70/80; #3-72/80; #4-70/80; #5-77/80; #6-72/80. Cleaned, Gapped, and Tested Spark Plugs. Checked Engine Timing, Cleaned Fuel Screen. Changed Oil With 10 qts. of Aeroshell 100W Plus, Replaced Oil Filter With P/N: CH48110-1, Replaced Turbo Oil Filter with P/N: CH48108-1, Replaced Intake Filter with P/N: BA151E. AD 80-04-03 R2 C/W by oil type, AD 2011-26-04 To Prevent Failure of the Fuel Injector Lines – Inspected Fuel Lines and clamps. I certify that this engine has been inspected in accordance with an annual inspection, and was found to be in airworthy condition.		
IA 2713758		
Michael Tsvirinko		

[illegible]

A/P-3897321-IA-Javier Alfaro Mendez

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
		<p align="center">N171Z</p> <p>Aero Commander 500B S/N 1450-159</p> <p>DATE: 1 MARCH 2023</p> <p>AIRCRAFT TOTAL TIME: 11,310.6</p> <p>Hobbs: 0295.9</p> <p>LEFT ENGINE IO-540-E1B5 S/N L5456-48 TOTAL TIME: 2055.6 TSO 1,705.2</p> <p>I Certify that this ENGINE has been inspected in accordance with Annual inspection as per Aero Commander Maintenance Manual, LYCOMING IO-540-E1B5 and FAA FAR REGULATIONS 43 Appendix (D) and was determined to be in airworthy condition.</p> <p>Date <u>3/7/2023</u> Engine Time <u>2055.6</u> Tach <u>295.9</u> I certify that this Engine has been inspected in accordance with an <u>Annual</u> inspection and found it in airworthy condition.</p> <p><i>Leslie Sanchez Landron</i> LESLIE SANCHEZ LANDRON IA & A&P 3414012</p>
		<p align="center">N171Z</p> <p>AERO COMMANDER 500B S/N 1450-159</p> <p>AIRCRAFT HOBBS 0293.9 AIRCRAFT TOTAL TIME: 11310.6 DATE: March 1, 2023.</p> <p>ENGINE MODEL IO-540-E1B5 LEFT ENGINE S/N L5456-48 TOTAL TIME: 2055.6 TSO 1,705.2</p> <p>THE FOLLOWING WORK WAS PERFORMED AT THIS TIME IN ACCORDANCE WITH AERO COMMANDER 500B MAINTENANCE MANUAL.</p> <p>Removed engine cowlings.</p> <p>Performed compression check as fallow. 1)75/80 2)80/80 3)75/80 4)70/80 5)75/80 6)75/80</p> <p>Drain oil and service with 9 qtrs. XC 20W/50 Aviation oil.</p> <p>Removed and replaced engine oil filter installed new CH48-110-1 and CH48-108-1</p> <p>Engine washed.</p> <p>Removed and replaced oil return lines.</p> <p>Removed and replaced rocket box cover gasket.</p> <p>Rotate spark plugs.</p> <p>Removed and replaced engine induction filter.</p> <p>Re-installed engine cowlings.</p> <p>Performed engine run -up satisfactory no oil leaks. At this time.</p> <p>I Certify that this engine has been inspected in accordance with 100 hours inspection as per FAA FAR Regulations 43 appendix (D) and was determined to be in airworthy condition.</p> <p>GERMAN ALVAREZ A&P584499098</p>

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK																																																																											
		<p align="center">WESTERN SKYWAYS, INC.</p> <p align="center">1865 Ianna Dr. Montrose, Colorado 81401</p> <p>N: <u>L-4556-48</u> W/O: <u>11180</u> TTE: <u>1563.9</u> Date: <u>4-02-98</u></p> <table><thead><tr><th>Subject</th><th>Method of Compliance</th></tr></thead><tbody><tr><td>Oil pump drive shaft</td><td>N/A by engine serial number</td></tr><tr><td>Fuel pump</td><td>N/A by Part number</td></tr><tr><td>Oil filter gasket</td><td>N/A by engine serial number</td></tr><tr><td>Fuel diaphragm stem</td><td>N/A by part number</td></tr><tr><td>Crankshaft failure</td><td>N/A by engine model</td></tr><tr><td>Piston pin failure</td><td>N/A by part number (LW14077)</td></tr><tr><td>Oil pump failure</td><td>C/W Lycoming SB 385C</td></tr><tr><td>Flow divider</td><td>C/W installed new gasket per SB 382</td></tr><tr><td>Fuel line failure</td><td>N/A by engine model</td></tr><tr><td>Center body seal</td><td>PCW Bendix SB RS-52R2</td></tr><tr><td>Diaphragm stem</td><td>N/A by parts list number</td></tr><tr><td>Mixture control shaft</td><td>N/A by engine model</td></tr><tr><td>Superceded by 96-09-10</td><td></td></tr><tr><td>Fuel diaphragm stem</td><td>C/W Bendix SB RS-85</td></tr><tr><td>Rocker arm failure</td><td>N/A by Part number</td></tr><tr><td>Crankgear bolt</td><td>Inspected per SB 475A</td></tr><tr><td>Piston pin failure</td><td>Installed P/N LW14077</td></tr><tr><td>Superceded by 93-05-21</td><td></td></tr><tr><td>Fuel line clamping</td><td>C/W SB 342A</td></tr><tr><td>Superceded by 93-11-11</td><td></td></tr><tr><td>Fuel pump</td><td>N/A by part number</td></tr><tr><td>Superceded by 95-26-02</td><td></td></tr><tr><td>Rod bolts</td><td>Installed P/N LW12596 at overhaul</td></tr><tr><td>Detonation damage</td><td>Engine overhauled</td></tr><tr><td>Oil pump failure</td><td>Installed 05K19423S impellor KIT</td></tr><tr><td>Fuel pump failure</td><td>N/A by part number</td></tr><tr><td>Superceded by 97-15-11</td><td></td></tr><tr><td>Cylinder failure</td><td>N/A by part number</td></tr><tr><td>Piston pin failure</td><td>C/W SB 527C (codes 71238 on all)</td></tr></tbody></table> <p align="center">BENDIX SERVO RS-10B1 P/N 391787-4 S/N 24197</p> <table><tbody><tr><td>N/A 73-10-02 39-1634</td><td rowspan="3">Diaphragm Regulator stem nut Regulator stem nut</td><td rowspan="3">Overhauled servo PCW SB RS-68 N/A by parts list number</td></tr><tr><td>N/A 79-21-08 39-3593</td></tr><tr><td>N/A 79-26-03 39-3636</td></tr></tbody></table> <p align="center">BENDIX MAGNETO P/N 10-163010-10 S/N 872988 AND 10-163050-9 S/N 472414</p> <table><tbody><tr><td>PCW 74-26-09 39-2050</td><td rowspan="5">SHAFT BUSHING IMPULSE COUPLING GREEN BLOCK IMPULSE COUPLING COILS AND MAGNETS Capacitor Inspection</td><td rowspan="5">PCW SB 556C Installed new style coupling N/A by part number Installed new style coupling per SB 599D C/W Continental MSB644 C/W Continental CSB641</td></tr><tr><td>N/A 78-09-07R3 39-4938</td></tr><tr><td>N/A 82-13-01 39-4405</td></tr><tr><td>N/A 82-20-01 39-4658</td></tr><tr><td>C/W 94-01-03R1 39-9006</td></tr><tr><td>C/W 94-06-09 39-8895</td><td></td><td></td></tr></tbody></table> <p align="right">Signature <u><i>German Alvarez</i></u></p> <p align="right">Repair Station No. WS9R575J</p>	Subject	Method of Compliance	Oil pump drive shaft	N/A by engine serial number	Fuel pump	N/A by Part number	Oil filter gasket	N/A by engine serial number	Fuel diaphragm stem	N/A by part number	Crankshaft failure	N/A by engine model	Piston pin failure	N/A by part number (LW14077)	Oil pump failure	C/W Lycoming SB 385C	Flow divider	C/W installed new gasket per SB 382	Fuel line failure	N/A by engine model	Center body seal	PCW Bendix SB RS-52R2	Diaphragm stem	N/A by parts list number	Mixture control shaft	N/A by engine model	Superceded by 96-09-10		Fuel diaphragm stem	C/W Bendix SB RS-85	Rocker arm failure	N/A by Part number	Crankgear bolt	Inspected per SB 475A	Piston pin failure	Installed P/N LW14077	Superceded by 93-05-21		Fuel line clamping	C/W SB 342A	Superceded by 93-11-11		Fuel pump	N/A by part number	Superceded by 95-26-02		Rod bolts	Installed P/N LW12596 at overhaul	Detonation damage	Engine overhauled	Oil pump failure	Installed 05K19423S impellor KIT	Fuel pump failure	N/A by part number	Superceded by 97-15-11		Cylinder failure	N/A by part number	Piston pin failure	C/W SB 527C (codes 71238 on all)	N/A 73-10-02 39-1634	Diaphragm Regulator stem nut Regulator stem nut	Overhauled servo PCW SB RS-68 N/A by parts list number	N/A 79-21-08 39-3593	N/A 79-26-03 39-3636	PCW 74-26-09 39-2050	SHAFT BUSHING IMPULSE COUPLING GREEN BLOCK IMPULSE COUPLING COILS AND MAGNETS Capacitor Inspection	PCW SB 556C Installed new style coupling N/A by part number Installed new style coupling per SB 599D C/W Continental MSB644 C/W Continental CSB641	N/A 78-09-07R3 39-4938	N/A 82-13-01 39-4405	N/A 82-20-01 39-4658	C/W 94-01-03R1 39-9006	C/W 94-06-09 39-8895		
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