

ENGINE LOG



OWNER

NAME	ADDRESS	Installed in Aircraft No.	Date
1		U8137V	
2			
3			
4			
5			
6			

If this book is found, please return it to the owner.

ENGINE DESCRIPTION

Manufacturer: WILLIAMSPORT, PENNA.

Manufacturer: LYCOMING - WILLIAMSPORT, PENNA.

Serial No. L-6520-6/A

Horsepower: 300

Model: TIO-540-J/AD

FAA T. C. No. 154

NOTICE

Making false entries in this book is a violation of government regulations and is punishable by civil penalty.

[illegible]

COMPLIANCE WITH FAA AIRWORTHINESS DIRECTIVES ON ENGINE AND ACCESSORIES

A. D. No. and Date	Item	Method of Compliance (See Log for Details)	Time on Engine	Date of Compliance	Signature and Certificate No.
79-21-08 Oct 24, 1979		SEE ENTRY DATED 12/6/79 103	103:75	12/6/79	Ralph L. Royal MMF 5452
79-18-06 Sept 17, 1979		SEE ENTRY DATED 12/6/79	103:75	12/6/79	Ralph L. Royal MMF 5452
80-17-10 8-18-80		Installed New Part LW16858	502.20	9/24/80	Frederick Wren 7+P1479872
80-17-14 7/21/81		Inst For Compliance of Service Bulletin 605A	738.6	2/2/82	Clayton J Covey A8450725171
81-18-04 6/16/82		NOT APPLICABLE FOR THIS ENGINE	776.9	6/16/82	^{see} Toussaint MH 1927721
82-20-01 9-27-82		File Insular coupling Flyinglight for Heat treat	831.4	9-27-82	Wentzville A80555236252
86-17-01		C/W SB 811A INSTALL AMETER KIT 765-136U 1	1248.2	9.21.87	C/N X ENSP NS44
83-22-04		BENDY FUEL SERVO C/W SB 71, 85, 88 (SEE MAINT RELEASE)	1248.2	9.21.87	C/N ENSP NS4416
84-19.03 ^{h1}		N/A Vix ENG. MODRL	—	—	C/N ENSP NS4416
8-09-07 ^{R3}		PCW 61285 10278	NEXT DOG	1527.8	ENSP NS4416

COMPLIANCE WITH FAA AIRWORTHINESS DIRECTIVES ON ENGINE AND ACCESSORIES

[illegible]

COMPLIANCE WITH SERVICE BULLETINS ON ENGINE AND ENGINE ACCESSORIES

Service Bulletin No.	Item	Subject and Remarks (See Log for Details)	Time on Engine	Date of Compliance	Signature and Certificate No.
Bendix RS6B		See entry dated 12/6/79	103:79	12/6/79	Ralph L. Key MMF5452
Bendix 6057605A		See entry dated 12/6/79	103:79	12/6/79	Ralph L. Key MMF5452
Lycoming SB 301B		Complied with part 1 valves ok	414:33	2/1/80	Ralph L. Key MMF5452
Lycoming SB 448		Installed P/N LW- 16858 Transition	502.20	9/24/80	Frederick Kneer Lycoming Rep
Bendix SB # 623		Impulse couplings	831.4	9-27-82	Kevin Koster A & P 545236252

COMPLIANCE WITH SERVICE BULLETINS ON ENGINE AND ENGINE ACCESSORIES

[illegible]

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
11/27/79	Brought Forward →		45.4	Installed new
Dec 6, 1979 The following AD notes and Bendix service				
bulletin, complied with by persons unknown by having				
appropriate stamps and decal. AD 79-21-08, by having "N"				
stamped on brass plug, 79-18-06 (Bendix SB605) by having				
"K" after serial number and decal. Mag serial				
19830. Bendix SB605A by having center 4 screws				
has been plugged with Pop rivets and "D" stamped on				
bottom line. Installed new alternate air box				
Total time 103:75 Ralph L. Royal MMF5452				
Total To				
Carry Forward				
Lipin ak. corp Vero Beach, Fl				

and Remarks	Signature	Certificate No.
waste gate assy. grd. check OK Piper aircraft corp. Vero Beach Fla.	R. Knight	MM5452
Plugs ✓ Points ✓ Timing ✓ Stacks ✓ Muffs ✓ Hoses ✓ Lines ✓ Fittings ✓ Carb./Inj. ✓ Screens ✓ Starter ✓ Gen./Alti. ✓ Harness ✓ Seals ✓ Mounts ✓ Lines ✓ Compression Test: 1. $\frac{75}{80}$ 2. $\frac{76}{80}$ 3. $\frac{76}{80}$ 4. $\frac{75}{80}$ 5. $\frac{75}{80}$ 6. $\frac{75}{80}$ PIPER AIRCRAFT CORP. P. O. BOX 1328 VERO BEACH, FL. 32960 MMF 5452		
OPERATIONAL CHECK COMPLETED Date of inspection: Dec 6, 1979 Time in service: 103:75 Signature: Ralph L. Royal		
I certify that this Aircraft / Engine has been inspected in accordance with a 100 hr. / Annual inspection and has been found airworthy.		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
12-11-79	Brought Forward →	Tack time	135.0	Installed a new turbo
Dec 19, 1979 Installed new: waste gate control cable assy and remon. governor serial # D1284. alt. air box removed per Piper FO. 38613 Rev. M. operation check performed. Total time 187:12				
Ralph S. Royal				
PIPER AIRCRAFT CORP. P. O. BOX 1328 VERO BEACH, FL. 32960 MMF 5452				
Total To Carry Forward				

and Remarks	Signature	Certificate No.
Transition P/N LW16811	Don Pount Lyco Rep.	
Plugs ☒ Points ☒ Timing ☒ Stacks ☒ Muffs ☒ Hoses ☒ Lines ☒ Fittings ☒ Carb./Inj. ☒ Screens ☒ Starter ☒ Gen./Alti. ☒ Harness ☒ Seals ☒ Mounts ☒ Lines ☒ Compression Test: ☒	OPERATIONAL CHECK COMPLETED Date of inspection: Dec 19, 1979 Time in service: 187:12	I certify that this Aircraft / Engine has been inspected in accordance with a 100 hr. / Annual inspection and has been found airworthy. Signature: Ralph S. Royal
PIPER AIRCRAFT CORP. P. O. BOX 1328 VERO BEACH, FL. 32960 MMF 5452		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →	Jan 10, 1980	Installed new: #3 cyl.	
			intake pipe port # KW16487, 6 new spark plugs	
			Total time 296:52 Ralph L. Royal	
PIPER AIRCRAFT CORP. P. O. BOX 1328 VERO BEACH, FL. 32960 MMF 5452				
Total To Carry Forward				

I certify that this Aircraft / Engine has been inspected in accordance with a 100 hr. / Annual Inspection and has been found airworthy.

Signature:

Ralph L. Royal

Time in service:

296:52

Date of inspection:

Jan 10, 1980

OPERATIONAL CHECK COMPLETED

Signature

Certificate No.

PIPER AIRCRAFT CORP.

P. O. BOX 1328

VERO BEACH, FL. 32960

MMF 5452

Plugs ☒

Points ☒

Timing ☒

Stacks ☒

Muffs ☒

Hoses ☒

Lines ☒

Fittings ☒

Con./Inj. ☒

Screens ☒

Starter ☒

Con./Airl. ☒

Harness ☒

Seals ☒

Mounts ☒

Lines ☒

Compression Test:

1. $\frac{76}{80}$

2. $\frac{75}{80}$

3. $\frac{76}{80}$

4. $\frac{77}{80}$

5. $\frac{76}{80}$

6. $\frac{75}{80}$

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
	Jan 21, 1980 installed new turbo transition P/N 16811. Operational check performed			
	Total time 370:21		Ralph L. Loyal	MMF 5452
	Loyal ac corp Vero Beach, Fla			
	Feb 1, 1980 complied with Parts of Lycoming SB 301B. Valves found ok. Installed 6 new spark plugs. Total time 414:33 Ralph L. Loyal			
	PIPER AIRCRAFT CORP. P. O. BOX 1328 VERO BEACH, FL. 32960 MMF 5452			
Total To Carry Forward				

I certify that this ~~Aircraft~~ / Engine has been
inspected in accordance with a 100 hr. / Annual
and Remarks Inspection and has been found airworthy.

Signature

Certificate No.

Signature:

Ralph L. Loyal

Time in service:

414:33

Date of inspection:

Feb 1, 1980

OPERATIONAL CHECK COMPLETED

PIPER AIRCRAFT CORP.

P. O. BOX 1328

VERO BEACH, FL. 32960

MMF 5452

Plugs	Points	Timing	Stacks
Muffs	Hoses	Lines	Fittings
Carr./inj.	Screens	Starter	
Gen./Alt.	Harness	Seals	
Mounts	Lines	Compression Test:	
1. 75	2. 76	3. 75	4. 75
5. 76	6. 75		
1. 80	2. 80	3. 80	4. 80
5. 80	6. 80		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
9/24/80	Brought Forward →	Total Time 502.2	Installed New Exhaust Transition and Waste gate Assy. Per Lycoming S.B. 448. — Lycoming Rep- Frederick E Kneer	
			A+P 1479872	
Total To Carry Forward				

[illegible]

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
5-8-81	Brought Forward →	610.0	I CERTIFY THIS ENG HAS BEEN INSPECTED IN ACCORDANCE WITH AN 100HR INSPECTION AND WAS DETERMINED TO BE IN AIR-WORTHY CONDITION DATE: 5-8-81 NS1370 TACH TIME 601.0 IA. C. Sullivan RRP 224565641	
			Changed oil + filter Timed eng	
			Pulled Plug Gaped - Cleaned + Retorted	
			Pulled Comp check	
			# 74/80 # 79/80 # 79/80 # 74/80 # 80/80	
			# 74/80	
			Serviced oil with Phill. 20W50. 12 qt	
Total To Carry Forward				

and Remarks	Signature	Certificate No.
9-6-81 TACH: 650.91 OIL CHANGED Phil x/c oil filter replaced.	ASB 1602666 <i>[Signature]</i>	
12-9-81 TACH: 701.0 OIL CHANGED Phil x/c oil filter replaced	<i>[Signature]</i>	
12-15-81 Tach: 704.2 - Changed alternator drive belt, replaced prop shaft O-ring. Dennis Kuchar	ASB 562880188	

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance																								
	This Date	Since Major																										
	Brought Forward →																											
2/2/82	Tach: 738.6 TSMOH 738.6			Drained oil, replaced oil filter, cleaned air filter and fuel filter. Cleaned and gaped spark plugs. Checked mag timing. Serviced eng with 10qt's phillip + c-20 50w. Checked for all applicable AD's.																								
<table border="1"> <thead> <tr> <th colspan="6">COMPRESSION CHECK</th> </tr> <tr> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> </tr> </thead> <tbody> <tr> <td>70</td> <td>70</td> <td>70</td> <td>70</td> <td>74</td> <td>73</td> </tr> <tr> <td>80</td> <td>80</td> <td>80</td> <td>80</td> <td>80</td> <td>80</td> </tr> </tbody> </table>					COMPRESSION CHECK						1	2	3	4	5	6	70	70	70	70	74	73	80	80	80	80	80	80
COMPRESSION CHECK																												
1	2	3	4	5	6																							
70	70	70	70	74	73																							
80	80	80	80	80	80																							
"I certify that this <u>Engine</u> has been inspected in accordance with <u>100 hr</u> inspection and was determined to be in airworthy condition." Tach. reads. 738.6 AD 80-17-14 C/w by C/w Date: 2/2/82 A & P # 450725171 Bendis service bulletin 605A. Engn. Clayton Conroy																												
Total To Carry Forward				Engn. Clayton Conroy A & P # 450725171																								

[illegible]

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
7-8-82	789.5			Changed oil with
9-1-82	815.6			✓ ✓
9-27-82	Tach 831.4	c/w	A.D. 82-20-01	
# 19830K, and Bendix Service Bulletin # 623. Stamped "F" in Top R/H corner of I.D. Plate, okay, no further action necessary. Kevin Fresh.				
10-31-82	841.7			Changed oil & filter
Total To Carry Forward				
851.6 Installed remanufactured 11/25/83. Tach alt. S/N 8N000029. PNA 6421, Clayton & Gray A/P 450725171				

and Remarks	Signature	Certificate No.
Phillips x/c & filter	Daryl Beaty	
on Bendix mag model # DBLN-2031 serial Impulse found to be properly heat treated. Retried mag to 20° BTC. Ground Run, checked A & P 585236252	Daryl Beaty	
Phillips x/c	Daryl Beaty	

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance																		
	This Date	Since Major																				
I certify that ^{Brought} this ^{Eng.} aircraft has been inspected in accordance with <u>100 hr</u> inspection and was determined to be in airworthy condition." Tach. reads <u>855.1</u> Date <u>2/1/83</u> A & P # <u>45072571</u> Name <u>Clayton Coney</u> T. T <u>855.1</u> + <u>5/mo</u> H <u>855.1</u> Installed both new points and																						
COMPRESSION CHECK <table border="1"> <thead> <tr> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> </tr> </thead> <tbody> <tr> <td>76</td> <td>76</td> <td>76</td> <td>79</td> <td>76</td> <td>74</td> </tr> <tr> <td>80</td> <td>80</td> <td>80</td> <td>80</td> <td>80</td> <td>80</td> </tr> </tbody> </table>			1	2	3	4	5	6	76	76	76	79	76	74	80	80	80	80	80	80	Condensers. adjusted mag timing to 29° B T C. C/W A D 82-11-05 mag dist. fingers. Cleared fuel injector nozzles. Eng. ground ran, checked for leaks and found to be airworthy. CK'd for applicable A.P.s. Rods to Clayton Coney	
1	2	3	4	5	6																	
76	76	76	79	76	74																	
80	80	80	80	80	80																	
Total To Carry Forward			<u>45072571</u>																			

[illegible]

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance																								
	This Date	Since Major																										
	Brought Forward →																											
		"I certify that this aircraft has been inspected in accordance with <u>100 HA</u> inspection and was determined to be in airworthy condition." Tach. reads <u>898.5</u> Date <u>5-8-84</u> A&P # <u>4602666</u> Name <u>Tom Bitter</u>		NO OIL CHANGE OIL FILTER REPLACED, OLD FILTER OPENED & INSPECTED. LUBED ALL ENGINE CONTROLS RESETTED 4th MAG. AIR FILTER CHANGED.																								
		<table border="1"> <thead> <tr> <th colspan="6">COMPRESSION CHECK</th> </tr> <tr> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> </tr> </thead> <tbody> <tr> <td>75</td> <td>75</td> <td>74</td> <td>74</td> <td>75</td> <td>75</td> </tr> <tr> <td>80</td> <td>80</td> <td>80</td> <td>80</td> <td>80</td> <td>80</td> </tr> </tbody> </table>		COMPRESSION CHECK						1	2	3	4	5	6	75	75	74	74	75	75	80	80	80	80	80	80	
COMPRESSION CHECK																												
1	2	3	4	5	6																							
75	75	74	74	75	75																							
80	80	80	80	80	80																							
Total To Carry Forward																												

and Remarks	Signature	Certificate No.
6-12-85 1027.8 TACH: c/w Annual, 100 hr. inspection of this engine. Replaced air filter per AD 84-26-02. Due replacement in 500 hours. c/w AD 78-09-07 R3 FAW Bendix SB 599B and found impulse coupling OK for return to service. Adjusted take-off rpm. Changed oil & filter. Serviced with 12 qts Aeroshell 50 wgt. Run-up and leak check OK @ this time.		
DATE <u>6-12-85</u> A/C TIME <u>1027.8</u> ENG TIME <u>1027.8</u> W.O.# <u>125</u> I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>ANNUAL/100 HR</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED <u>[Signature]</u> <u>51301039</u> FOR BECKETT AVIATION — REPAIR STATION #1191 — <u>E</u>		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
6-12-85	Tach 1027.8		Entry for compression check accomplished at annual inspection.	
	COMPRESSION CHECK CYLINDERS 1 2 3 4 5 6 7 8 <u>75 75 75 74 73 75 —</u> 80 80 80 80 80 80 80 80			
	BECKETT-SCOTTSDALE 15115 NORTH AIRPORT DRIVE SCOTTSDALE, ARIZONA 85260 FAA CERTIFIED REPAIR STATION 1191-E (602) 991-0900		Bill Cudrow AP 436980449 Inspector #4	
Total To Carry Forward				

and Remarks	Signature	Certificate No.
9-9-85 1043.4 TACH. changed oil & Filter, sent in an oil ANALYSIS sample & serviced with 12 qts Aeroshell 50 wt leak check OK.	<i>[Signature]</i>	
BECKETT-SCOTTSDALE 15115 NORTH AIRPORT DRIVE SCOTTSDALE, ARIZONA 85260 FAA CERTIFIED REPAIR STATION <i>191E</i> (602) 991-0900		
5-29-86 1104.09 TACH CHANGED OIL - SERVICED WITH 12 QTS AEROSHELL 50 WT		
<i>R. J. Donahoe</i> JENSEN AVIATION SERVICES, INC. SAN DIEGO CA R.S. #4477		

ENGINE LOG

Date	Engine Time		Recorder Reading	TACH 1130.5 6/10/86 SMOH 1130.5 Maintenance
	This Date	Since Major		
	Brought Forward →			Performed annual insp
				IAW FAR 43 APP D + PA 32
				checklist, cony check
				#1 ⁸⁰ / ₇₄ , #2 ⁸⁰ / ₇₄ , #3 ⁸⁰ / ₇₂ , #4 ⁸⁰ / ₇₃
				#5 ⁸⁰ / ₇₄ , #6 ⁸⁰ / ₇₅ . lubed all
				engine controls and
				turbo waste gate shaft
				I certify that this engine
				has been inspected IAW
				an annual insp. and was
Total To Carry Forward				determined to be in airworthy condition. Phil Muslaun 1A1677779

and Remarks	Signature	Certificate No.
9/16/86 TACH: 1135.0		
changed eng oil + filter, serviced		
with PHILLIPS XC. removed		
starter for intermittent operations		1
and repaired, OPS check OK.		1
installed chaffing material		
around #'s 3+5 ignition lead.		
lubed waste gate actuator		1
shaft. _____		1
Phil Muslaun 1A1677779		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
21 SEPT 87	Brought Forward →	1248.22	TACH & ENL. TT	
	CHANGE OIL & FILTER	SERVICE	AEROSHELL W-100, COMPRESSION	
	#1-76#2-74#3-75#4-76#5-74#6-77	OVER 180		
	ADJ. ALT. BELT, CLEAN FUEL INJECTORS. INSTALL NEW			
	SPARK PLUGS. REPAIR TURBO EXHAUST Y. MANIFOLD.			
	C/W AD 83-22-04	BEARING SERVO (SEE MINUT. RELEASE)		
	REPLACE ALL ROCKER BOX GASLETS. DETAILS OF INSP			
	ON FILE WO# 12198			
	AERO MECHANICS INC.			
	MUNICIPAL AIRPORT			
	PRESCOTT, ARIZONA			
Total To Carry Forward				
	R.S. #4416			

I CERTIFY THIS ~~ENGINE~~ ^{ENGINE} HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR ~~ANNUAL~~ INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION

Total Time 1248.2 Date of Insp 21 SEPT 87

Mechanic C. R. X INSP WS 4416

and Remarks	Signature	Certificate No.
I certify that this Aircraft has been Inspected in accordance with <u>ANNUAL</u> inspection and was determined to be in airworthy condition.		
Charles R. McDowell	Charles R. McDowell	138299 TAC 06-02-88
DATE 6-2-88 T.T. IN SERVICE 138299 TTSN		
COMPRESSION CHECK:		
CYL. 1 76/80 CYL. 3 75/80 CYL. 5 75/80		
CYL. 2 75/80 CYL. 4 74/80 CYL. 6 75/80		
AD'S RESEARCHED THRU 88-111 FOUND NO NEW AD. NOT C/W SEE BACK OF BOOK		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
9/26/88	Brought Forward →	1306	TACH HRS	CHANGED OIL AND FILTER SOW. I INSTALLED BRACKETT
11/9/88	1312.0	1312.0		C/W PIPER S.B. #884
12/3/88	1327	1327		REMOVE & REPLACE
4/17/89	1341.7	1341.7		CHANGED OIL AND FILTER.
Total To Carry Forward				

[illegible]

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
7/22/89	1365.39	TT TACH.		CLEANED & REGAPPED SPARK PLUGS. CHECKED MAGNETO TIMMING, OK. INSTALLED NEW WASTEGATE STOP BOLT (ADJUSTMENT MADE IAW APPLICABLE S.B.). LUBRICATED ALL ENGINE CONTROL HINGE POINTS AND CHECKED FOR FULL AND FREE TRAVEL. TURBO "T" WHEEL INSPECTED OK. ENGINE RUN/UP PERFORMED OK. COMPRESSION CHECKED #1 76/80 #2 78/80 #3 76/80 #4 77/80 #5 78/80 #6 76/80.
				WORK DONE IAW PA 32R 301 T MAINTENANCE MANUAL
Total To Carry Forward				

and Remarks	Signature	Certificate No.
AND TIO 540 MAINTENANCE MANUAL Fin E. Fromm ADP570 110231 GND		
07-22-89 ENGINE I certify that this Aircraft has been Inspected in accordance with <u>ANNUAL</u> inspection and was determined to be in airworthy condition.		
Charles R. McDowell 1365.39 TT SN 07-22-89 A & P 432-50-2395		
SEE A.D.'s LISTEN IN AIRFRAME RECORDS		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
11/15/89	Brought Forward →		1421.5	TACH HRS. CHANGED OIL AEROSHELL 50W. REPLACED ENGINE CONTROLS AND
Total To Carry Forward				

and Remarks	Signature	Certificate No.
AND FILTER. SERVICED WITH 11 QTS		
BRAKETT AIR FILTER (BA-7). LUBED	<i>Charles R McDowell</i>	
TURBO WAITE GATE SHAFT	A/P 432 S02395/A 11/15/89	
I certify that this Aircraft has been inspected in accordance with <u>ANNUAL</u> inspection and was determined to be in airworthy condition. <i>Charles R McDowell</i> 08-03-90 1453.99 TFSN.		
Charles R. McDowell A & P 432-50-2395/A		
A.D.'S RESEARCHED THRU # 90-14 SEE BACK OF AIRFRAME LOG BOOK FOR COMPLIANCE		

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
11/8/90	Brought Forward →		1467.8	CHANGED OIL AND FILTER REPLACED BRACKET AIR FILTER WASHER & SHAFT.
1473.4 TTENG HOBBS 12/7/90 Installed two piece exhaust system to comply with AD 89-12-04. Installed new LW15809 exhaust riser and new LW12093-5 clamp. #6 exhaust riser and intermediate pipe surfaces faced squarely during installation without any tension on remainder of exhaust system. Left hand risers assembled with new 15614 gaskets and std 1410 nuts. Work done in accordance with Textron Lycoming service bulletin number 484. Lockwire installed as per Lycoming Service Bulletin number 484. Eric E. Franke Eric Franke A & P 570110231				
Total To Carry Forward	END			

[illegible]

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
7/30/91	Brought Forward →		1518.9	CHANGED OIL AND FILTER REPLACED BRACKET AIR AND WINGGATE SHAFT
9/8/91	—————		1527.4	INSTALLED NEW 10-682560-13 MAGNETO. S/N H139113GR. AD 78-09-07 CW, IMPULSE SUPPLIED WITH MAGNETO. INSTALLED NEW AUBURN 271 SPARK PLUGS. CW A.D. 91-08-07, NO LEAKS AT FUEL PUMP VENT, PROPER FITTING
Total To Carry Forward				

and Remarks	Signature	Certificate No.
SERVICED WITH 12 QTS AEROSHELL 50WT FILTER (BA-7) LUBED ENGINE CONTROLS	TG [Signature]	
INSTALLED. REPLACED MAP COPPER TUBING, ENGINE TO FIREWALL. COMPRESSION CHECK #1-77, #2-76, #3-76, #4-72, #5-76, #6-76. CLEANED FUEL FILTER AT BENDIX INJECTOR UNIT. EXHAUST SYSTEM INSPECTED FOR CRACKS, NONE FOUND. ENGINE MOUNT INSPECTED FOR CRACKS, NONE FOUND. ✓		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
ALL WORK DONE IAW LYC OH MANUAL				
(TIO 540) EIC J. Frank A&P 570110231 ENP -				
9/8/91			1527.4	I CERTIFY THAT
THIS AIRCRAFT ENGINE HAS BEEN INSPECTED				
IN ACCORDANCE WITH A 100 HR INSPECTION AND				
WAS DETERMINED TO BE IN AIRWORTHY CONDITION ^{EIC J. Frank} _{ENGINE A&P 570110231}				
09-09-91				I certify that this Aircraft has been Inspected in accordance with Annual inspection and was determined to be in airworthy condition.
				<i>Charles R. McDowell</i> 9-9-91 1527.4 TTSN
				Charles R. McDowell A & P 432-50-2395 1A
Total To Carry Forward				SEE BASIC OR AIRFRAME BOOK FOR AD LISTING

and Remarks	Signature	Certificate No.
4-15-92 TACH 1535.63. ADJUSTED IDLE SPEED & MIXTURE. ENGINE GROUND RUNUP OK. WO# 3639. Leslie H. Chatham Jr. CRS ZM3R029m.		
5-15-92 Tach 1547.9 CHANGE OIL CK Suction SCREEN Install Quick Drain Hose - Dress Prop 10 QTS 20-50 XC OIL - Ground Runck OK WO# 3689 Jay A. King		
ARIZONA AIR-CRAFTSMAN FAA REPAIR STATION # ZM3R029m SEDONA AIRPORT 290 SHRINE RD. #5 SEDONA, ARIZONA 86336 602: 282-6149	<i>Em3R029m</i>	

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
7-3-92	Replaced	EGT Probe with New PN-86143.		
Tach 1567	Complied with AD 92-12-10 by visual inspection of fuel injector lines for proper clamp supports chaffing, and fuel leakage. Installed three screws + washers in right wing tip.			
				Not Announced A/P 557376157
7-6-92	1567	Lubricate waste gate & interconnect cable - Secure cable - Throttle movement satisfactory. J. A. King		
Total To Carry Forward				A/P 520683569

and Remarks

Signature

Certificate No.

H/uns 92

check EGT system. EGT gauge appears to operate OK. Wiring has cracked insulation. Probe resistance erratic. no repairs made at this time

J. A. King A/P 396421212

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
9-23-92	Brought Forward →		1601.64	Change oil + Filter XC oil - C/W AD 91-21-01 per inap per (a)(2)(i) + (a)(2) ii visual inap visual inap - inj. lines SB 34211 + tube + free waste gate - tube water had add clamps - repl. Air Filter and Run CK-OK - Inap. Lubrication + repairs I/p/w Rpn Spr + Lar 43.13 appendix "D" AD
Total To Carry Forward				

and Remarks	Signature	Certificate No.																		
- CK Filter ok - 12 QTS 70-SD (b)(2)(i) SB 499A install Kit OSK 21503 SB 484 part II + SB 499A, C/W AD 92-12-10 par a1 + 2 - Repl. all Rocker 95K gate control cable - Repl. numerous element - Wash dry down ation & repairs I/p/w Rpn Spr ck through 92-4	ARIZONA AIR-CRAFTSMAN SEDONA, ARIZONA I CERTIFY THAT THIS AIRCRAFT, ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>100hr</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. WG # <u>3897</u> TACH TIME <u>1601.64</u> ENG SMOH <u>-</u> TOTAL TIME <u>1601.64</u> DATE <u>9-23-92</u> JAY KERGER ZM3029M SIGNATURE <u>Jay Keger</u>																			
<table border="1"><thead><tr><th colspan="6">CYLINDER NO.</th></tr><tr><th>1</th><th>2</th><th>3</th><th>4</th><th>5</th><th>6</th></tr></thead><tbody><tr><td>77/80</td><td>75/80</td><td>75/80</td><td>74/80</td><td>77/80</td><td>75/80</td></tr></tbody></table> COMPRESSION CHECK	CYLINDER NO.						1	2	3	4	5	6	77/80	75/80	75/80	74/80	77/80	75/80		
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Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
Total To Carry Forward				

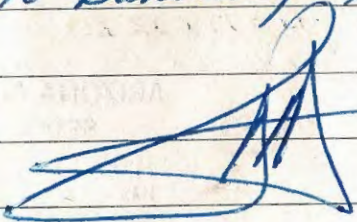
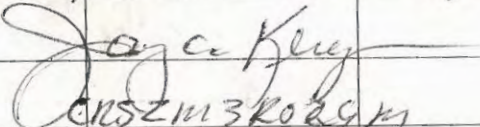
1/21/93 TACH:1635.38

SERVICED ENGINE WITH 20/50 PHILLIPS
OIL AND NEW OIL FILTER.

W.O.# 4098

FAA REPAIR STATION #ZM3R029M

ARIZONA AIR-CRAFTSMAN
 FAA REPAIR STATION # ZM3R029M
 SEDONA AIRPORT
 290 SHRINE RD: # 5
 SEDONA, ARIZONA 86336
 602: 282-6149

and Remarks	Signature	Certificate No
TACH 1652.6 1/29/93 REPAIRED GEM WIRES RT BANK. DUE TO BURNING FROM EXHAUST. W.O. W.O. 4113 	ARIZONA AIR-CRAFTSMAN FAA REPAIR STATION # ZM3R029M SEDONA AIRPORT 290 SHRINE RD. # 5 SEDONA, ARIZONA 86336 602 - 282-6149	
7-25-93 TACH & TI 1678.1 Install new Airborn Vacuum pump SNO1AH001015 211CC Repl. Suction line and Remok W/O #4423 	CNSZM3R029M	

ENGINE LOG

Date	Engine Time <i>NEW</i>		Recorder Reading	Maintenance																		
	This Date	Since <i>Major</i>																				
10-8-93	Brought Forward →	1687.79	1687.79	CHANGED OIL & FILTER ADDED 11 QTS PEROSHILL 15-50W. REPAIRED #2 CYL REPLACED EXH VALVE & GUIDE FACED SEAT & FACED INTAKE VALVE. AD 91-21-01 AMEN 39-8048 C/W BY PAPA Q 21 & Q 211 DUE EA 100 HRS. AD 93-05-22 AMEN 398525, 5-11-93 C/W BY PAPA A 142 EVE EA 100 HRS/CH. CLEANED GAPPED & TESTED PLUGS CK'D MAG TO EXH TIMING FOUND OK ENG WASHED GDRIN & LK CK OK. WSP & REPAIRS IAW LYCOMING OIA MAN, PAPER MAINT MAN, FAP 13.13 D AD'S CK'D TO 93-17																		
				ARIZONA AIR-CRAFTSMAN SEDONA, ARIZONA I CERTIFY THAT THIS ENGINE HAS BEEN MAINTAINED IN WITH A ADDORZ - LUTION AND WAS DEF. - WORTHY CONDITION. WO # 41527 TACH TIME 1687.79 ENG SMGH 1687.79 TOTAL TIME 1687.79 10-8-93 DENNIS E. O'LEARY, CMAA 29M SIGNATURE <i>Dennis E. O'Leary</i>																		
				<table border="1"> <thead> <tr> <th colspan="6">CYLINDER NO.</th> </tr> <tr> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> </tr> </thead> <tbody> <tr> <td>78/80</td> <td>0/80</td> <td>74/80</td> <td>70/80</td> <td>75/80</td> <td>72/80</td> </tr> </tbody> </table>	CYLINDER NO.						1	2	3	4	5	6	78/80	0/80	74/80	70/80	75/80	72/80
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78/80	0/80	74/80	70/80	75/80	72/80																	
Total To Carry Forward				COMPRESSION CHECK																		

and Remarks	Signature	Certificate No.
Installed new # injector line on #1 cyl - CW AD 93-02-05. Change & inspect filter.		
Compression Check 1 76 2 74 3 75 4 76 5 72 6 70 7 74		
Installed rebuilt waste gate & new bypass pipe.		
Twenty-four (24) hours has been inspected in accordance with a <u>Annual</u> inspection on <u>12-2-93</u> and was determined to be in airworth- condition. <u>JS</u> <u>13</u> <u>RS</u> <u>03</u> <u>324512</u> Tach Time <u>1696.6</u> Total Time <u>1696.6</u> On file WO # 3903		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
1-2-55	Brought Forward →	1780.1	1780.1	removed engine for overhaul by Victor Aviation due to fuel contamination See log # 2 for details. JH & Slutz RS DJ3R4512 On file WO# 4080
Total To Carry Forward				

[illegible]

AIRWORTHINESS DIRECTIVE COMPLIANCE RECORD

N 81374

AIRCRAFT, ENGINE, PROPELLER, OR APPLIANCE/COMPONENT

MAKE PAMODEL 32R-301S/N32R-8029003

AD NUMBER	SUBJECT	DATE & HOUR AT COMPLIANCE	METHOD OF COMPLIANCE	NEXT COMPLIANCE DUE AT DATE/HOURS	ONE- TIME	RECU- RRING	AUTHORIZED SIGNATURE AND NUMBER
✓ 80-17-10	Waste Gate Assy	8-18-80 502.2 9/24/80	Installed & new part		X		
✓ 82-20-01	Impulse Coupling	9/27/82 831.4	Imp.		X		
✓ 81-18-04	oil pump.			N/A due to Eng'ty PA	X		
✓ 80-17-14	IAW S/B 605A	2/2/82 738.6	INSP Recals. Install		X		
✓ 82-11-05	distributor Finger	2/1/83 835.1	INSP		X		
✓ 79-12-07	dist BLOCK	2/1/83 835.1	INSP	N/A No green block	X		
✓ 79-21-08	Fuel injector	12/6/79 103.75-	UNIL		X		
92-12-10	FUEL INJ. LINES	7-3-92 151.7	VISUAL INSP.		X		
78-09-07R3	BENDIX impulse	9-5-91 152.4	M46 REPL FACTORY BECH	20 27.4		X	

Clayton
At 845075171