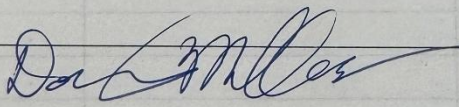
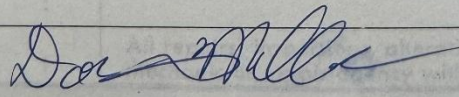
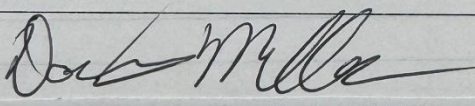
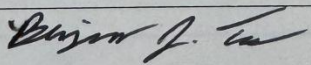


N9764W		Engine Log	Tach, 114.2	TSMOH, 2174.9	CTION IENCE TA
DA	1. Performed annual inspection per FAR 43 Appendix D, using in-house inspection checklist as a guide. Researched and complied with all applicable ADs using current AD Toolbox search engine, see AD compliance report for details.				
B/	2. Complied with compression check as follows over 80Psi. 1) 74; 2) 72; 3) 76; 4) 76.				
FW	3. Changed oil using 8 Aeroshell W100. Removed and inspected oil screens, no defects noted, reinstalled screen housing with new gasket.				
	4. Verified magneto to engine timing. Removed spark plugs, cleaned, checked gap, rotated, and reinstalled, Runup and leak check ok.				
The component listed above was repaired or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. I certify that this Engine was inspected in accordance with an Annual Inspection and has been determined to be in airworthy condition.					
David Miller				AP3268094IA	
ProAv Aircraft Services				Date 10/25/2024	

N9764W		Propeller Log	Tach, 114.2	Prop TSMOH 2758.2	
1. Performed annual inspection per FAR 43 Appendix D, using in-house inspection checklist as a guide. Researched and complied with all applicable ADs using current AD Toolbox search engine, see AD compliance report for details.					
2. Performed ground run, no defects noted.					
The component listed above was repaired or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. I certify that this Propeller was inspected in accordance with an Annual Inspection and has been determined to be in airworthy condition.					
David Miller				TSMOH - 201.5	
ProAv Aircraft Services				AP3268094IA	tificate
				Date 10/25/2024	

N9764W		Engine Log	Tach, 61.7	TSMOH, 2122.4	
1. Performed annual inspection per in-house inspection checklist that meets the requirements of FAR 43 Appendix D as a guide. Researched and complied with all applicable ADs using current AD Toolbox search engine, see AD compliance report for details.					
2. Complied with compression check as follows over 80Psi. 1) 80; 2) 79; 3) 80; 4) 78.					
3. Changed oil using 8 qts Phillips X/C 20W-50. Removed and inspected oil suction and pressure screens, no defects noted.					
4. Verified magneto to engine timing. Removed spark plugs, cleaned, checked gap, rotated, and reinstalled, Runup and leak check ok.					
The component listed above was repaired or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. I certify that this Engine was inspected in accordance with an Annual Inspection and has been determined to be in airworthy condition.					
David Miller				AP3268094IA	
ProAv Aircraft Services				Date 9/5/2023	

N9764W		Engine Log	Tach, 111.7	TSMOH, 2172.4	
1. Changed oil using 8qts. Aeroshell W100. Removed, inspected and cleaned oil screen then re-installed, no defects noted. Runup and leak check ok.					
The component listed above was repaired or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.					
Benjamin J. Thomas				AP4672547	
ProAv Aircraft Services				Date 08/09/2024	

DATE	N9764W	7/08/22	TAC 059.5	TSMO 2139.0	TSTO 146.8	SPECTION REFERENCE DATA
BRT. FWD.	Perform annual inspection, clean inspect and lube all cables and controls, change oil and clean screens add 8qt Phillips 20-50 XC oil, compression test over 80psi 1-76 2-74 3-74 4-70, clean gap and rotate spark plugs, tighten all intake couplings and rocker box covers, Test run ops and leak ck and no defects noted at this time. I certify this engine has been inspected I/A/W FAR43 AppD for an annual inspection and found to be in an airworthy condition at this time. Laris D. Hatcher 291387095 IA <i>Lari D. Hatcher</i>					
N9764W		Propeller Log		Tach, 61.7	Prop TSMOH 2705.7	
1. Performed annual inspection per in-house inspection checklist that meets the requirements of FAR 43 Appendix D as a guide. Researched and complied with all applicable ADs using current AD Toolbox search engine, see AD compliance report for details. 2. Performed ground run, no defects noted. The component listed above was repaired or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. I certify that this Propeller was inspected in accordance with an Annual Inspection and has been determined to be in airworthy condition.						
David Miller		<i>David Miller</i>			AP3268094IA	
TO1	ProAv Aircraft Services		Date 9/5/2023			Artificated
mechanic or repair agency with name, rating and cert. no.						

DATE	N9764W	Engine Log	Tach, 36.3	Hobbs, 44.1
Removed and replaced the vacuum pump with Rapco P/N 215CC s/n A47930. Performed leak and operational check, no defects noted. The component listed above was repaired or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.				
Stephen R Schilling AP3330755IA			<i>Stephen R Schilling</i>	
ProAv Aircraft Services			Date 10/06/2020	
N9764W 7/19/21 TAC 051.1 TSMO 2130.6 TSTO 138.4 Perform annual inspection, clean inspect and lube all cables and controls, change oil and clean screens add 8qt Phillips 20-50 XC oil, compression test over 80psi 1-74 2-76 3-76 4-76, clean gap and rotate spark plugs, replace imp. Coupling with serviceable unit AD complied with next due 500hr.tighten all intake couplings and rocker box covers, Test run ops and leak ck and no defects noted at this time. I certify this engine has been inspected I/A/W FAR43 AppD for an annual inspection and found to be in an airworthy condition at this time. Laris D. Hatcher 291387095 IA <i>Lari D. Hatcher</i>				

DATE	N9764W 6/12/19 TAC 3674.55 TSMO 2040.0 TSTO 47.8			SECTION REFERENCE DATA
BRT. FWD.	Perform annual inspection, clean inspect and lube all cables and controls, change oil and clean screens add 8qt Phillips 20-50 XC oil, compression test over 80psi 1-78 2-76 3-74 4-74, clean gap and rotate spark plugs, tighten all intake couplings and rocker box covers, Test run ops and leak ck and no defects noted at this time. I certify this engine has been inspected I/A/W FAR43 AppD for an annual inspection and found to be in an airworthy condition at this time. Laris D. Hatcher 291387095 IA <i>Laris D. Hatcher</i>			
	N9764W 7/7/20 TAC 030.1 TSMO 2109.6 TSTO 117.4 Perform annual inspection, clean inspect and lube all cables and controls, change oil and clean screens add 8qt Phillips 20-50 XC oil, compression test over 80psi 1-76 2-76 3-76 4-76, clean gap and rotate spark plugs, tighten all intake couplings and rocker box covers, Test run ops and leak ck and no defects noted at this time. I certify this engine has been inspected I/A/W FAR43 AppD for an annual inspection and found to be in an airworthy condition at this time. Laris D. Hatcher 291387095 IA <i>Laris D. Hatcher</i>			
TOTALS				certificated

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS	
	N9764W Engine Log Removed and replaced carburetor with overhauled unit Piper PA-28-140 service manual. Operational and leak check good. Part / Model number on, 10-3678-32 / MA-4SPA, Serial number on, MS07T401. The component listed above was repaired or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Stephen R Schilling AP3330755IA <i>Stephen R Schilling</i> date 07/03/2019 ProAv Aircraft Services	Tach. Time 3674.1

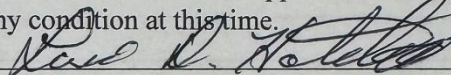
DATE

N9764W 7/01/16 TAC 3620.72 TSMO 1986.7

Perform annual inspection, clean inspect and lube all cables and controls, oil changed and cleaned screen add 8qt Phillips 20W50 XC, compression test over 80psi 1-74 2-72 3-68 4-64, clean gap and rotate spark plugs, tighten all intake couplings and rocker box covers, Test run ops and leak ck and no defects noted at this time.

I certify this engine has been inspected I/A/W FAR43 AppD for an annual inspection and found to be in an airworthy condition at this time.

Laris D. Hatcher 291387095 IA

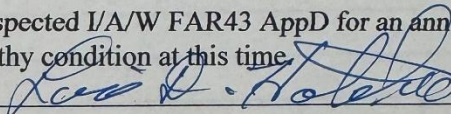


N9764W 6/23/17 TAC 3621.32 TSMO 1987.3

Perform annual inspection, clean inspect and lube all cables and controls, compression test over 80psi 1-70 2-66 3-62 4-74, clean gap and rotate spark plugs, tighten all intake couplings and rocker box covers, Test run ops and leak ck and no defects noted at this time.

I certify this engine has been inspected I/A/W FAR43 AppD for an annual inspection and found to be in an airworthy condition at this time.

Laris D. Hatcher 291387095 IA



DATE

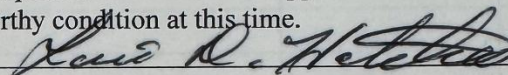
BRT.
FWD.

N9764W 9/07/13 TAC 3617.53 TSMO 1983.5

Perform annual inspection, clean inspect and lube all cables and controls, oil changed and cleaned screen add 8qt Phillips 20W50 XC, compression test over 80psi 1-70 2-62 3-64 4-64, clean gap and rotate spark plugs, tighten all intake couplings and rocker box covers, Test run ops and leak ck and no defects noted at this time.

I certify this engine has been inspected I/A/W FAR43 AppD for an annual inspection and found to be in an airworthy condition at this time.

Laris D. Hatcher 291387095 IA

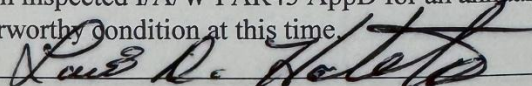


N9764W 9/26/14 TAC 3620.11 TSMO 1986.1

Perform annual inspection, clean inspect and lube all cables and controls, oil changed and cleaned screen add 8qt Phillips 20W50 XC, compression test over 80psi 1-70 2-66 3-70 4-64, clean gap and rotate spark plugs, tighten all intake couplings and rocker box covers, Test run ops and leak ck and no defects noted at this time.

I certify this engine has been inspected I/A/W FAR43 AppD for an annual inspection and found to be in an airworthy condition at this time.

Laris D. Hatcher 291387095 IA



TOTAL:

mechanic or repair agency with name, rating and cert. no.

certificated

DATE

N9764W 3/25/11 TAC 3606.2 TSMO 1972.27

Perform annual inspection, clean inspect and lube all cables and controls, oil changed and cleaned screen add 8qt Phillips 20W50 XC, compression test over 80psi 1-76 2-68 3-74 4-64, clean gap and rotate spark plugs, tighten all intake couplings and rocker box covers, remove left mag and C/W AD 05-12-06 by inspection, set timing, Test run ops and leak ck and no defects noted at this time.

I certify this engine has been inspected I/A/W FAR43 AppD for an annual inspection and found to be in an airworthy condition at this time.

Laris D. Hatcher 291387095 IA

Laris D. Hatcher 3/25/11

N9764W 9/07/12 TAC 3608.8 TSMO 1974.8

Perform annual inspection, clean inspect and lube all cables and controls, oil changed and cleaned screen add 8qt Phillips 20W50 XC, compression test over 80psi 1-75 2-66 3-68 4-62, clean gap and rotate spark plugs, tighten all intake couplings and rocker box covers, Test run ops and leak ck and no defects noted at this time.

I certify this engine has been inspected I/A/W FAR43 AppD for an annual inspection and found to be in an airworthy condition at this time.

Laris D. Hatcher 291387095 IA

Laris D. Hatcher 9/7/12

DATE

BRT.
FWD.

N9764W 3/16/10 TAC 3557.27 TSMO 1923.27

Perform annual inspection, clean inspect and lube all cables and controls, oil just changed, compression test over 80psi 1-70 2-76 3-68 4-72 clean gap and rotate spark plugs, tighten all intake couplings and rocker box covers ck and set timing, replace eng baffling, Test run ops and leak ck and no defects noted at this time.

I certify this engine has been inspected I/A/W FAR43 AppD for an annual inspection and found to be in an airworthy condition at this time.

Laris D. Hatcher 291387095 IA

Laris D. Hatcher 3/16/10

Tach 3592.7

10-11-2010

N9764W

Replaced alternator belt and replaced alternator bracket with correct serviceable one. Replaced sparkplugs with new REM40E's. Replaced deformed and leaking Oil screen housing 69510 with serviceable.

I certify that this repair has been performed and inspected in accordance with current manufacturers data, current FAR's and good practice and was found to be in airworthy condition.

J. Eric Hubbard AP3450863

ProAv Aircraft Services LTD

10-11-10

date

TOTALS

SECTION
REFERENCE
ATA

ations must be endorsed by a certificated
with name, rating and cert. no.

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
5-1-06	FOR security, condition, serviceable & lubed controls, Run up cked for leaks, found Airworthy & Returned To Service.
	I certify that this <u>ENGINE</u> has been inspected in accordance with an <u>ANNUAL</u> inspection and found to be in an airworthy condition. <u>John Schiistle</u> A12167733
N9764W	
9-9-07	Tach 3553.32 TTAF 3553.32 SLA 20.92
	TTE 2817.32 SMOH 1918.32 Engine cleaned, run and inspected for fuel, oil, and exhaust leaks. All AD's checked thru 2007-17. No new AD's. Comp. check over 80 1-73, 2-74, 3-70, 4-75. Changed engine oil with 7qts 20/50. Cleaned screen, no metal found. Cleaned, gapped, and rotated plugs. Checked total engine for security, condition, and found serviceable. Engine run, checked for leaks, found airworthy and returned to service. I certify that this engine has been inspected in accordance with an annual inspection and found to be in airworthy condition. Jason Schiistle IA 2819327
	<u>John Schiistle</u> IA 2819327

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.	:	:	:	Security, Serviceable & Lubed. Prop dressed		
4-8-06	:	:	:	& cked. Cleaned & Gapped Plugs. Run, Found		
	:	:	:	Airworthy, cked for leaks & Returned TO		
	:	:	:	Service.		
	:	:	:	I certify that this <u>ENGINE</u> has been inspected in accordance with an <u>ANNUAL</u> inspection and found to be in an airworthy condition. <u>John Schiistle</u> A12167733		
2006	TAC	SMOH	TOTAL			
6-1	3632.4	1897.4	2796.4	SLA 42.4		
				ENG cleaned, Run & Inspected For Fuel, oil & Eth leaks.		
				No AD's AD: 5-26-10 ECI Cyls NA. Comp ck 80/1-76,		
				2-73, 3-74, 4-76. Replaced #1 & 3 CRUSH Free Eth Gaskets.		
				changed oil (7qts 20/50 XL). Cleaned ALL Filters, screens,		
				Plugs & Regapped. Inspected & Dressed Prop. Total Engine, wiring,		
				Tubing, Hoses, Baffling, mounting, Controls, Accessories, cked		
TOTALS	:	:	:	All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.		

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS	
2004		
3-1	TAC 3412.8 TT 2627.5 SOH 1969.6	
	Engine cleaned, Run & inspd for Fuel, oil & Eth Leaks. No New or Recoring AD's. Comp ck. 80/1-77, 2-76, 3-76, 4-77. Cleaned Filters, Screens, Gasulator, Plugs & Regapped. Replaced Broken clamp on #1 Intake coupling. Ckd Accessories, wiring, tubing, hoses, mounting, Controls for security, condition & Lubed Controls. Prop ckd, dressed, cleaned & indexed. Engine Run, systems ckd serviceable, ckd for leaks & returned to service. I certify that this Engine has been inspected in accordance with an Annual inspection and found to be in an airworthy condition. John G. Baker AI2167733	
2006		
4-9	TAC 3490.0 TTE 2714:0 SM 1856.0 SLA 77.2	
	Eng cleaned, Run, & ckd for Fuel, oil & Eth Leaks. No New AD's - Comp ck 80/1-71, 2-75, 3-75, 4-76. changed oil & ckd oil screen. All filters clean & ckd. Controls ckd for Travel (over)	

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
2003						
BRT. FWD.	TAG	:	:			
3-24	3399.1	:	2613:8	SOH 1756.8		
	Engine Run, cleaned & ckd for Fuel, oil & Eth Leaks. No New AD's ckd comp. 80/1-73, 2-73, 3-77, 4-76. cleaned filters & screens, & Gasulator. Changed oil (7qts 20/60 XC) Tightened Leaking Primer Line. installed NEI coil in #3 cyl Eth Port. (std was miss 148) Engine Run - ckd for Proper operation, Fuel, oil, & Eth Leaks & returned to service. Dressed & Painted Prop.					
	:	:	:			
	:	:	:			
	:	:	:			
	:	:	:			
	:	:	:			
	:	:	:			
TOTALS	:	:	:			
All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.						

DATE 2000	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS	
2-17	TAC 3360.2 TTE 2674.9 SM 1716.9 SLA 9.4	
Engine cleaned, Run & inspected For Fuel, Oil & Exh Leaks. AD's ckd to Date & c/w 70-16-5 muppler due 3410.2. cleaned Filters, Screens, Plugs & Regapped. Comp ckt. 80/1-76, 2-75 3-75, 4-76. Controls ckd for Travel, Security, wear, Freedom of movement & Lubed. Prop cleaned & dressed, Prop spinner, mounting Accessories, wiring, Tubing, Hoses, Baggling, Exh & intake systems ckd for security & serviceable. Eng Run, ckd for leaks, ALL systems ckd serviceable & Returned to Service -		
I certify that this Engine has been inspected in accordance with an annual inspection and found to be in an airworthy condition. <i>John Jackson</i> A12167733		

DATE 1999 BRT. FWD.	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
11-19	SM 1706.5	3360.8	
Engine cleaned, Run & inspected for Fuel, Oil & Exh Leaks. AD's ckd to Date. 97-15-11 Piston Pin NA No cyl Kits after 12-15-96, 98-2-8 Crank NA 150 HP, 98-17-11 Crank NA: No Nelson work. No Recurring AD's due. cleaned Filters, Screens, Plugs & Regapped. changed oil 20/50 Phillips Comp ckt. 80/1-74, 2-75, 3-76, 4-76. #4 Exh Valve Repeated, Run, Rechecked & came up to 80/72. All Controls ckd for wear, Travel, Movement, Security & Lubed. Prop, spinner, Eng mount's, Accessories, wiring, Tubing, Hoses & Baggling ckd for security & serviceable Run ckd for leaks & Returned to service.			
I certify that this Engine has been inspected in accordance with an annual inspection and found to be in an airworthy condition. <i>John Jackson</i> A12167733			
TOTALS			
All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.			

DATE 1997	MAINTENANCE, INSPECTIONS, REPAIRS AND
11/13/97	TAC 3329.6 TT 2644.3, SM 1686.3 Eng cleaned, Run & inspected For Fuel, Oil, & Exh leaks. All controls ckd for security, Condition, Freedom of movement & lubed. All screens, Filters, Gasulator, Plugs cleaned & Gapped Plugs - Comp CK. 80/1-74, 2-72, 3-74, 4-76. AD's ckd & Listed in AD Summary. 1 Piece venturi installed in carb. Oil Hoses TSO 53a Type "D" installed 1AWAD. 96-76-13. ckd & crossed Prop. Tuning, Hoses, accessories, wiring, Eth Sys, mounting system ckd for security, Condition & Serviceability. Eng Run, systems ckd Airworthy, ckd for leaks & Returned To Service - I certify that this Engine has been inspected in accordance with an annual inspection and found to be in an airworthy condition. <i>John J. Jones</i> A12167733

DATE 1996	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.	TAC	3329.3	2644.10	SM-1686.0	3329.3	
7-3	Eng cleaned, Run, & inspected for Fuel, oil, & Exh leaks. Cleaned all Filters & Screens - changed oil 8qts 20/50 Phillipsen controls ckd for security, travel, wear, Freedom of movement & lubed - Plugs cleaned & Gapped. Comp CK. 80/1-70, 2-72, 3-74, 4-76 AD 93-18-3 venturi ckd for security due next ANN. Ckd Tuning. AD's ckd & c/w as noted here & AD Summary. Eng Run ckd ok & ckd for leaks & Returned for Service I certify that this Engine has been inspected in accordance with an annual inspection and found to be in an airworthy condition. <i>John J. Jones</i> A12167733					
TOTALS	:	:	:	All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.		

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS	
1998 6-1	MERL, INC. P.O. Box 188 1777 N. Colony Rd. Meriden, Ct. 06450 (203) 237-8811 REPLACE BY JUL 97 P/N BP-1045 TSO C-91	TAC 3327.2 TT 2641.0 SM-1682.0 SLA 26.3 Performed annual inspection JAW FAR 43 APP "D" Cleaned and gapped plugs swapped top to bottom and next in firing order. Changed eng oil 8qts Phillips 66 20W50 and cleaned screws. Checked and lubed controls. Checked security of carb venturis. Repaired loose wire on glt. Cleaned air filter and gascolator. Turned up eng checked good. 93-18-3 c/w due next ANN Comp. 1.73 2.74 3.76 4.74 I certify that this Engine has been inspected in accordance with an Annual inspection and found to be in an airworthy condition. <i>John F. Fisher</i> AI2167733

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS	
4-1-93 3293.1	CONTINUED FROM LAST PAGE	Performed engine run up and full systems check. All checked good. All ADs reviewed. All AD summary.
		I certify that this Engine has been inspected in accordance with an Annual inspection and found to be in an airworthy condition. <i>John F. Fisher</i> AI2167733
6-10-94	TAC-3300:85 TT 2614.7 SM 1655.7 SLA 17.7	Engine Run & inspected for Fuel, oil & Eth Leaks - Cleaned all screens & Filters, Plugs & Regapped. Comp ct. 80/1-76, 2-76 3-76, 4-76. Changed oil (8qts Phillips 20/50) Controls ckd for security, Travel, wear, & Freedom of movement & Lubed. Installed Heli Coil in stripped out Throttle Brace & oil Sump Bolt Hole. Ckd AD 93-18-3 (Carb venturi) Engine Run, Found Satisfactory. Ckd for leaks & Returned to Service.
		I certify that this Engine has been inspected in accordance with an Annual inspection and found to be in an airworthy condition. <i>John F. Fisher</i> AI2167733

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
18 JUN 92	Removed and replaced coil in left magneto checked good on engine turn up.
24 JUN 92	Removed and replaced coil in right magneto checked good on engine turn up.
15 JUL 92	Removed and replaced both ignition lead harnesses Left M1986 LH Right M1975 RH manufactured by SLICK. Checked good on engine turn.
08 OCT 92	Performed annual inspection IAW FAR 43 APP D. Cleaned and gapped plugs swapped top to bottom and set in firing order. Cleaned oil filter screen. Cleaned gascolator and air filter. Replaced missing air baffle tie rod. Greased prop. Cleaned, lubed, and checked engine controls for proper operation and security. Performed compression checks
	1.77 2.76 3.76 4.76 (OVER)

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.	:	:	:	Rx D Bentley AP210405664	3272.1	—
	:	:	:	Rx D Bentley AP210405664	3272.1	—
	:	:	:	Rx D Bentley AP210405664	3273.3	
	:	:	:			
	:	:	:			
	:	:	:			
	:	:	:			
	:	:	:		3283.1	
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TOTALS	:	:	:	All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.		

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
23 Nov 90	Tach 3267 Compression 1 st 7 1/2/80 2 nd 7 1/2/80 3 rd 7 1/2/80 4 th 8 1/2/80 checked and clean oil & fuel screens, all engine accessories and attachments - Review ADs - I certify this engine has been inspected in accordance with an Annual inspection and is determined to be in airworthy condition. W.D. J. IA 122225709
27 Feb 92	Tach 3267 Compression 1 st 7 1/2/80 2 nd 7 1/2/80 3 rd 8 1/2/80 4 th 8 1/2/80 Clean and check fuel & oil screens, install new front crankshaft seal, new primer line No 2 nd cyl. insp. all engine accessories and attachments - Review ADs - I certify this engine has been inspected in accordance with an Annual inspection and is determined to be in airworthy condition. W.D. J. IA 122225709

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTOR REFERENCE DATA
12 June 89						
Tach 3250						
Compression 1 st 7 1/2/80 2 nd 8 1/2/80 3 rd 7 1/2/80 4 th 8 1/2/80						
clean & check fuel & oil screens, all engine accessories and attachments, I certify this engine has been inspected in accordance with an Annual inspection and is determined to be in airworthy condition.						
TOTALS						

W.D. J. IA 122225709

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

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
10/19/80	Changed Oil - Phillips 20W50 - 1 pt MACUL - 7 qts.
5-18-87	TACH-3204.86 - Oil changed & screen checked. Compression checked #1-$\frac{77}{80}$ #3-$\frac{77}{80}$ #2-$\frac{77}{80}$ #4-$\frac{77}{80}$. Cyls #1 & 2 exhaust steady, nuts & gasket replaced. Muffler checked OK. Baffle repaired at lower front and left side. Plug checked. All controls checked. Mog scooter checked. Engine runs normal, idle speed & mixture OK. I certify this <u>Engine</u> has been inspected in accordance with a <u>Annual</u> inspection and was determined to be in an Airworthy condition. A-D Summary to <u>87-06</u> checked. See rear of log. Operational check satisfactory. Tach <u>3204.86</u>, Total <u>3752.94</u> SMOH <u>1369.84</u> Signature <u>Peter Higgins</u> Date <u>5-18-87</u> Cert # <u>1313758-IA</u>

DATE	TIME SINCE LAST ANNUAL MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
9-4-85	TACH READS 3188.3 - Compression checked, #1-$\frac{76}{80}$, #3-$\frac{75}{80}$ #2-$\frac{73}{80}$, #4-$\frac{77}{80}$. All controls checked. Exhaust system checked. Air filter & induction system checked. Both oil cooler hoses PIPER PART NUMBER, 63901-72 installed new - A-D-76-25-06. Plugs checked. Engine runs up idle speed & mixture checked. I certify this <u>Engine</u> has been inspected in accordance with a <u>Annual</u> inspection and was determined to be in an Airworthy condition. A-D Summary to <u>85-16</u> checked. See rear of log. Operational check satisfactory. Tach <u>3188.3</u>, Total <u>3936.44</u> SMOH <u>1333.34</u> Signature <u>Peter Higgins</u> Date <u>9-4-85</u> Cert # <u>1313758-IA</u>

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
2/29/84	Installed new battery

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.	24 February 1983.			Total time 3406.00 . Recording Jack 3157.9. Inspected engine per: 100 hr inspection. Corrected discrepancies of cracked baffling, improper safety wiring, loose ignition lead clamps, replace front oil seal. Comp. test #1 - 75/80, #2 - 74/80, #3 - 74/80, #4 - 77/80.		
	AD 74-26:04			PKW MAG BUSHING		
	78-09:07			PKW BY REPLACING IM PULSE COUPLING.		
	81-13:04			oil pump gears. Due at 2000 hrs. smooth.		
				I certify this engine was inspected w/ an hundred hr. insp. and was found to be airworthy at this time. Daniel Murphy, AIP 114584		
				4/6/83 certify this engine has been inspected with an annual inspection and was found to be airworthy at this time. Douglas O. Finnerty		
TOTALS				All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.		

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
10 Apr. 1982	Total Time 3150.0 Replaced #34th cylinder's with repaired units from Chrome Plate inc. all new Rings + gaskets installed, new valve seats, new guides. Engine oil changed, screens cleaned. I certify this engine has been inspected with an annual inspection and was found to be in airworthy condition at this time. A.D. 81-18-4 due at 3000.0 D. Smith, A.D. 76-7-12 C/A. D. Finney F.A. 1955992 H44

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT.	:	:	:	<i>oil change</i>		
FWD.	:	:	:			
11-11-78	:	:	2961.59	<i>Acrosnell "30" L. H. Hume</i>	2961.59	
	:	:	:			
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TOTALS	:	:	:	All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.		

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
6/14/78	TACH READS 2935 hrs. Changed oil and cleaned screen. Aeroshell 100 N-D added. Compression $7\frac{1}{2}$ / ₈₀ all cyls (hot). Removed lift mag and installed new bushing P/N 10-163849 to comply AD 74-26-09 and new impulse coupling P/N 10-59474 to comply AD 78-09-07. Left mag P/N 54LN-21 10-51360-30 serial # 973063. Inspected muffler per AD 70-16-05, AD 76-25-06 g/w at 8-21-75. Set mag timing. Checked starter brushes and inspected drive clutch. Cleaned and oiled spark plugs. Tightened rocker covers. Checked engine mount, controls, hoses. Washed down engine. I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition. Bill Denny A & P 1630654 JD

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD. 3-27-78				Changed oil - aeroshell "40"	Recording Tac. 2893.91	
:	:	:	:	W. C. Penn		
:	:	:	:			
:	:	:	:			
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TOTALS	:	:	:	All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.		

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS	
4-7-77.	RECORDING TAC 2797.00	
	CHANGED OIL & CLEANED SCREEN. CLEAN & CHECK SPARK PLUGS. ADDED 8 QTS OIL AEROSHELL "50". WASH ENGINE. STATIC CHECK O.K. REMAN. STARTER INSTALLED AT 2750. TAC TIME. E. W. C. Penn	
7-10-77	Changed oil - Aeroshell "50"	Recording Tac. 2834.15 W. C. Penn
12-3-77	Changed oil Aeroshell "40"	Recording Tac 2867.78 W. C. Penn

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD. 8-20-74			2737:00	TAC Rodney	1102:00	S M E H
				Annual Inspection		
				Changed oil, Cleaned Screen, Cleaned & Checked Spark Plugs. Checked Comp - 1-780-2 65-3-74-4 70		
				Oil, Fuel, Lgt. Mags. Checked & Adjusted Timing		
				Checked Starter & Generator Replaced Prop. Shaft oil Seal		
				Installed oil filter Drain Checked & Serviced all engine accessories. Ground all Gas Sumps. Checked & Serviced Propeller it is certified that this engine has been inspected & repaired by FAR & found to be Airworthy. J. D. Taylor		
					454489	
TOTALS						
All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.						

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
8-11-77	Recording TAC 2837:00
	Annual Inspection
	Changed oil, Cleaned Screen, Cleaned & Checked Spark Plugs. Checked Compression - 1-74-2-70-3-75-4-60
	Checked Mags, Adjusted Timing. Replaced EX. Spark Plugs
	Checked Intake System Replaced Primer Lines. Tightened
	Screws in Carb. Bowl, Replaced Motor Mt. Checked & Serviced all engine accessories. Tightened engine
	Installation. Adjusted Eng. Controls. Checked all Gas Sumps. Checked & Serviced Propeller, it is
	certified that this engine has been inspected & repaired by FAR & found to be Airworthy. J. D. Taylor
	454489

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.	:	:	:			
5-19-76	:	:	:	RECORDING TAC.	2697.00	
:	:	:	:	REMOVE VAC. PUMP & REPLACED		
:	:	:	:	WITH LIKE UNIT. SPATTIG CHECK		
:	:	:	:	OIL.		
:	:	:	:	Elvis Esary #1687268		
11-22-76	:	:	:	RECORDING TAC	2762.00	
:	:	:	:	CHANGE OIL & CLEAN SCREEN		
:	:	:	:	ADD 8 QTS 40WT AEROSHELL		
:	:	:	:	Elvis Esary #1687268		
TOTALS	:	:	:	All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.		

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
JAN 21-76	RECORDING TAC 2648.00
	CHANGED OIL - CLEANED SCREEN -
	8 QTS AEROSHELL W 80 - REPLACED ALL (8)
	IGNITION LEADS
	Elvis Esary #1687268
3-30-76	RECORDING TAC 2682.00
	CHANGE OIL & CLEAN SCREEN -
	CLEAN & CHECK PLUGS - ADDED 8 QTS
	AEROSHELL W 50 OIL
	Elvis Esary #1687268

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. 11-17-71	:	:	2268:00	Recording Tachometer Reading		
FWD.	:	:	:			
	:	:	:			
	:	:	:			
	:	:	:			
	:	:	:			
	:	:	:			
	:	:	:			
	:	:	:			
	:	:	:			
12-07-71	:	:	2270:00	TACK TIME		
	:	:	:			
	:	:	:			
	:	:	:			
TOTALS	:	:	:			

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

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
	TACK TIME 2203.8
05-03-71	L.H. MAG Missing - REPLACED #1 CYL SPARK PLUG WIRE (Bottom). REPLACED Blown Ert Masks. 3 cyls. P. Shultz HP 1822314
07-27-71	CHANGE Oil USED 8qt. Amosol 1150W. TACK TIME 2239.85 P. Shultz HP 1822314
08-09-71	R.H. MAG Missing - REPLACED #4 cyl Bottom SPARK PLUG WIRE REPLACED #4 Bottom Plug. Ch. OK P. Shultz HP 1822314

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.	:	10/2/70		2036.00 Jack Time		
	:	:	:	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 CON-		
	:	:	:	DITION		
	:	:	:	SIGN <u>Oliver R. Nelson</u>		
	:	:	:	<u>W.O. 2644</u>		
	:	:	:	THUNDERBIRD AVIATION, INC.		
	:	:	:	F.A.A. APPROVED REPAIR STATION #3372		
	:	:	:	SPIRIT OF ST. LOUIS AIRPORT		
	:	:	:	BOX 66 - CHESTERFIELD, MO.		
TOTALS	:	:	:			

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

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
8/12/70	Jack Time 1938.2
	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 CON-
	DITION
	SIGN <u>Oliver R. Nelson</u>
	<u>W.O. 2593</u>
	THUNDERBIRD AVIATION, INC.
	F.A.A. APPROVED REPAIR STATION #3372
	SPIRIT OF ST. LOUIS AIRPORT
	BOX 66 - CHESTERFIELD, MO.

DATE	MAINTENANCE, INSPECTIONS, REPAIRS AND ALTERATIONS
	I CERTIFY THAT THIS <u>ENGINE</u> HAS BEEN INSPECTED IN ACCORDANCE WITH <u>A 100 HR.</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION <u>TACK TIME 1855.4</u>
	SIGN <u>Edward G. House</u> <u>#401519974</u> <u>Details on file with</u> <u>W/O# 2557</u>
	THUNDERBIRD AVIATION, INC. F.A.A. APPROVED REPAIR STATION #3372 SPIRIT OF ST. LOUIS AIRPORT BOX 66 - CHESTERFIELD, MO.

DATE	GROUND TIME	AIR TIME	TOTAL TIME	SIGNATURE OF PERSON MAKING ENTRY	TACHOMETER READING	INSPECTION REFERENCE DATA
BRT. FWD.	:	:	:			
TT 1730-0	:	:	:			Engine
checked	:	:	:			BEEN INSPECTED IN
this date	:	:	:			100 hr
	:	:	:			DETERMINED TO BE IN
	:	:	:			CONDITION
	:	:	:			SIGN <u>J. P. Little</u>
	:	:	:			<u>AP 181315</u>
	:	:	:			THUNDERBIRD AVIATION, INC.
	:	:	:			F.A.A. APPROVED REPAIR STATION #3372
	:	:	:			ST. LOUIS AIRPORT
	:	:	:			BOX 66 - CHESTERFIELD, MO.
	:	:	:			
	:	:	:			
	:	:	:			
	:	:	:			
TOTALS	:	:	:			

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

1-15-70 stapled to this page is list of parts used for major overhaul

$\frac{1}{2}$ " valves installed and A.D. notes complied with
Engine found to be airworthy this Jan 15, 1970

James R. Pelletier
A+P 1813156

DATE

PART #

PART DESCRIPTION

Quantity

68639

Gear

68753

Spacer

1

STD1791

Bolt

1

74996

Gear

4

STD847

Bolt

1

68749

Shaft

1

67447

Bearings

2

77044

Bearings

4

74673pl

Rings

1

73998pl

Rings

8

69373

Bearings

4

60401

Shaft

8

69603

Hose

4

71577

Sludge tube

4

69371-1

Gasket set

4

74167

Camshaft ass'y

1

MS13997-3

Key

1

72877

Body hyd tap

8

76290

Plunger ass'y

8

65074

Socket

8

61174

Shaft

1

76121

Shaft

1

61155

Gear C/S

1

STD1199

Pin

1

Mark Aero W.O. # 6204

4 chrome cylinders

4

Run in and test flights

76273

Bracket

1

74325

Link

1

75068

Valve

4

LW10076

Seat

4

74636

Rocker ass'y

4

60329

Shaft

1

60746

Impeller

1

60747

Impeller

1

72970

Gear ass'y

1

71596

Washer

1

AIRCRAFT ENGINE LOG FOR

BOOK NO. 2

ENGINE MAKE O-320-E2A ^{HP} 150 MODEL 150 SERIAL NO. L-13005-27
MANUFACTURER LYCOMING DATE OF MFG. _____ WEIGHT _____
HP. 150 hp AT 2700 RPM DISPLACEMENT _____ CU. IN. _____
OIL WEIGHT - SUMMER 50W WINTER 30W OR 40W
OIL CAPACITY 8 QTS. FUEL MIN. OCTANE 80 oct (80/87)
FIRING ORDER 1324 SPARK PLUG GAP .016
BREAKER POINT GAP _____ IGNITION TIMING 25°
VALVE CLEARANCES within min and max ranges (.025 to .085)
OIL PRESSURE 60 to 90 psi OIL TEMP. RANGE 0 - 240
PROPELLER MAKE Sensenich MODEL M74DM0 SERIAL NO. K13707
PITCH _____ LENGTH 58 REMARKS AIRWORTHY
Stroke 3.825 RPM Normal 2700
Bore 5.125 Maximum 2700