

2



The Standard

ENGINE LOG

ASA-SE-1

YE
20
DA

N# 25SP
 MAKE Lycoming
 MODEL 0-360 A4A
 S/N
SMITH AVIATION
 524 W. Carroll St.
 Macomb, IL. 61455
 (309) 833-4025
 DATE 07/27/2022
 TACH 1013.0
 SMOH 107.0
 TOTAL TIME 1062.8

Performed a Condition Inspection in accordance with the scope and detail of CFR Part 43 of appendix D, including routine and preventative maintenance.

I certify that this Engine has been inspected in accordance with FAR43 Appendix D and was determined to be in condition for safe flight.

Roger A. Smith AP 3432715 IA



YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				1/1/2023 N25SP Tach: 0.00 SMOH: 110.0 Torqued all engine bolts including cylinders, exhaust, and magnetos. Installed Balance Masters crankshaft active propeller vibration damper order #XOOJY. Torqued prop bolts on Sensenich 76EM8-0-56 S/N 31590K prop. Installed PurePower Lifetime Oil Filter part #PP48108, changed engine oil, clean oil sump screen, clean engine fuel filter. Installed Lycoming oil pressure spring P/N LW-11713, adjusted magneto timing to 25 degrees BTDC. I certify that I have inspected this engine in accordance with a 100 hour inspection and found it to be in condition for safe operation, B. J Boyle A&P 1867597 IA 
				6/1/2023 Tach: 5.0 SMOH: 115.0 Drained oil. Serviced with 7 Qts Aeroshell 100 Plus. Run-up satisfactory. B. J Boyle A&P 1867597 IA 

YEAR	RECORDING	TODAY'S	TOTAL	Description of Inspections, Tests, Repairs and Alterations
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N# 25SP
 MAKE Lycoming
 MODEL 0-36-0A4A
 S/N
SMITH AVIATION
 524 W Carroll St
 Macomb, IL. 61455
 (309) 833-4025
 DATE 06/13/2007
 TACH 994.1
 SMOH 88.1
 TOTAL TIME 88.1

Drained oil and cleaned screens. Serviced with Aeroshell 15/50. Cleaned fuel screens and plugs. Performed ground run and leak check, both found to be good.

I certify that this Engine has been inspected in accordance with the scope and detail of FAR Part 43, Appendix D and was found to be in a Condition for Safe flight.

Roger A Smith A/P 342383480 *Roger A. Smith*

YEAR	RECORDING	TODAY'S	TOTAL	Description of Inspections, Tests, Repairs and Alterations
20	TACH	FLIGHT	TIME IN	Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE	TIME		SERVICE	

N# 25SP
 MAKE Lycoming
 MODEL 0-360A4A
 S/N
SMITH AVIATION
 524 W. Carroll St.
 Macomb, IL. 61455
 (309) 833-4025
 DATE 05/15/2021
 TACH 1012.0
 SMOH 106.0
 TOTAL TIME UNK

This engine was removed and disassembled. Engine cases were sent to Divco and machined for dynafocal mounts. Engine was reassembled and installed. Installed a new Rotec TBI fuel system in accordance with the manufacture manual. Ground run engine and adjusted TBI. Leak check was found to be good.

I certify that this Engine has been inspected in accordance with FAR 43 Appendix D and was determined to be in a condition for safe flight.

Roger A. Smith AP 3432715 IA *Roger A. Smith*

YEAR 20 DA	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician
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N#	25 SP	SMITH AVIATION	DATE	08/29/2002
MAKE	Lycoming	524 W. Carroll St.	TACH	991.8
MODEL	0-360-A4A	Macomb, IL. 61455	SMOH	85.8
S/N		(309) 833-4025	TOTAL TIME	85.8

Drained oil and cleaned screens. Serviced with 8 qts. of Aeroshell 15/50. Leak check good.

I certify that this Engine has been inspected in accordance with Appendix D of FAR Part 43 and was found to be in a condition for safe flight.

Roger A Smith AP 342383480



YEAR 20 DA	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician
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N#	25 SP	SMITH AVIATION	DATE	08/29/2002
MAKE	Lycoming	524 W. Carroll St.	TACH	994.1
MODEL	0-360-A4A	Macomb, IL. 61455	SMOH	88.1
S/N		(309) 833-4025	TOTAL TIME	88.1

Drained oil and cleaned screens. Serviced with 8 qts. of Aeroshell 15/50. Cleaned, gapped inspected and rotated plugs. Checked ignition at 29 degrees. Checked ground performance and leak check, both found to be good.

I certify that this Engine has been inspected in accordance with Appendix D of FAR Part 43 and was found to be in a condition for safe flight.

Roger A Smith AP 342383480



YEAR	RECORDING	TODAY'S	TOTAL	Description of Inspections, Tests, Repairs and Alterations
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20				
DA	N#	25 SP	SMITH AVIATION	DATE 08/20/2000
	MAKE	Lycoming	524 W. Carroll St.	TACH 990.0
	MODEL	0-360-A4A	Macomb, IL. 61455	SMOH 84.6
	S/N	(309) 833-4025		TOTAL TIME 84.6

Drained oil and cleaned screens. Serviced with 8 qts. of Aeroshell 15/50. Cleaned, gapped, Tested and rotated spark plugs and tested plug wires. Cleaned crankshaft shaft flange and treated with LPS 3 corrosion inhibitor. Installed new Magnaflight starter and 35 amp alternator. Leak check good.

I certify that this Engine has been inspected in accordance with Appendix D of FAR Part 43 and was found to be in a condition for safe flight.

Roger A Smith AP 342383480 

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YEAR	RECORDING	TODAY'S	TOTAL	Description of Inspections, Tests, Repairs and Alterations
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20				Entries must be endorsed with Name, Rating and Certificate Number of Technician or
DA	N#	25 SP	SMITH AVIATION	DATE 03/21/2001
	MAKE	Lycoming	524 W. Carroll St.	TACH 990.8
	MODEL	0-360-A4A	Macomb, IL. 61455	SMOH 84.8
	S/N	(309) 833-4025		TOTAL TIME 84.8

Drained oil and cleaned screens. Serviced with 8 qts. of Aeroshell 15/50. Cleaned, gapped, Tested and rotated spark plugs and tested plug wires. Cleaned crankshaft shaft flange and treated with LPS 3 corrosion inhibitor. Leak check good.

I certify that this Engine has been inspected in accordance with Appendix D of FAR Part 43 and was found to be in a condition for safe flight.

Roger A Smith AP 342383480 

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YEAR	RECORDING TACH	TODAY'S FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations
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N#	25 SP	SMITH AVIATION	DATE	08/01/1998	—
MAKE	Lycoming	524 W. Carroll St.	TACH	925.0	—
MODEL	0-360-A4A	Macomb, IL. 61455	SMOH	19.0	—
S/N		(309) 833-4025	TOTAL TIME	19.0	—

Drained oil and cleaned screens. Serviced with 8 qts. of Aeroshell 15/50. Cleaned, gapped, Tested and rotated spark plugs and tested plug wires. Set ignition timing to 29 degrees. Cleaned crankshaft shaft flange and treated with LPS 3 corrosion inhibitor. Leak check good.

I certify that this Engine has been inspected in accordance with Appendix D of FAR Part 43 and was found to be in a condition for safe flight.

Roger A Smith AP 342383480



YEAR	RECORDING TACH	TODAY'S FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations
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Entries must be endorsed with Name, Rating and Certificate Number of Technician or

20	DA1	N#	25 SP	SMITH AVIATION	DATE	08/01/1999
—	—	MAKE	Lycoming	524 W. Carroll St.	TACH	973.0
—	—	MODEL	0-360-A4A	Macomb, IL. 61455	SMOH	67.0
—	—	S/N		(309) 833-4025	TOTAL TIME	67.0

Drained oil and cleaned screens. Serviced with 8 qts. of Aeroshell 15/50. Cleaned, gapped, Tested and rotated spark plugs and tested plug wires. Cleaned crankshaft shaft flange and treated with LPS 3 corrosion inhibitor. Leak check good.

I certify that this Engine has been inspected in accordance with Appendix D of FAR Part 43 and was found to be in a condition for safe flight.

Roger A Smith AP 342383480



N#	25SP	SMITH AVIATION	DATE	07/01/1997
MAKE	Lycoming	11980 US HY 67	TACH	906.0
MODEL	0-36-0A4A	Macomb, IL. 61455	SMOH	00.0
S/N		(309) 833-4022	TOTAL TIME	0 RS

Assembled this engine out of parts in accordance with the manufacture's over haul manual. All work and parts supplied by A.E.R.O. Aviation of Granite City, IL. All steel parts were magnafluxed, reference W.O. #38924.

Installed new solid crankshaft P/N AEL36002-1 (batch No. 58945-10) and four new ECI cylinder assemblies, W.O. #38887, P/N AEL65102-12C including new pistons, piston rings, piston pins and plugs, valves and rocker box covers with new silicon gaskets, oil pump impeller kit P/N ALO5K18423-S with oil pump body and cover plate complying with AD 96-09-10, new connecting rod bolts, nuts and mil. hardware. All major engine components were reconditioned, see yellows tags and other documents. Installed original Slick magneto's and harness, Total Time in service 18 hours, see log book entry dated 6/15/96. Installed new Ellison EFS throttle body, S/N 1397.

Roger A Smith A/P 342383480



YE
20.
DA

N#	25SP	SMITH AVIATION	DATE	07/01/1997
MAKE	Lycoming	11980 US HY 67	TACH	906.0
MODEL	0-36-0A4A	Macomb, IL. 61455	SMOH	00.0
S/N		(309) 833-4022	TOTAL TIME	00.0

Installed this Engine with new engine mounts. Serviced with 8 quarts Aeroshell 100 non detergent oil. Performed three 5 minute ground runs using varying power settings, all engine parameters good, leak check good.

I certify that this Engine has been inspected in accordance with the scope and detail of FAR Part 43, Appendix D and was found to be in a Condition for Safe flight.

Roger A Smith A/P 342383480



Engine Record General Information

Manufacturer Lycoming Model O-360-A4A

Serial _____ Type Certificate _____

This engine is currently installed in aircraft: 20SP

Minimum Octane Fuel _____ Oil Grade: Summer _____ Winter _____

Magneto Time _____ Point Setting _____ Firing Order _____

Spark Plug Gap _____

Manufacturer's Recommended Overhaul at _____ hours

ENGINE LOG #1

ENGINE LOG

YEAR		RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
MO.	DAY					
7/2/96		893.65			Successful forced landing due to fuel starvation believed to be in the flow divider. Found loose screw attaching stem to diaphragm. Removed in sector also for repair of poor idling and fuel scheduling.	Roger A. Smith AP 342383480
7/5/96		893.65			Removed Propeller to repitch blades from 53 back to 56. Straight level was 3250 rpm	Roger A. Smith AP 342383480

CARRY TOTAL TIME TO TOP OF NEXT PAGE

ENGINE LOG

YEAR		DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATIONS <small>Certificated mechanics or repair facilities must endorse all inspections and repairs with name, rating & Cert. No.</small>	
MO.	DAY		
7/23/96			Reinstalled original propeller repitched to 56 Roger A. Smith AP 342383480
7/23/96			Installed ELLISON EFS-4, S/N 1400. Report from AP 342383480

6/13/97

Tack 906

Forced landing by Brent Smith due to failure of #4 cylinder hold down studs and subsequent departure of same cylinder. Removed engine for disassembly and inspection.

Roger A. Smith
Roger A. Smith A/P 342383480 IA

END OF LOG 1. See log 2.

ENGINE LOG

YEAR	MO.	DAY	RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
92	10	23	693.85			oil ch Aeroshell 100 AD	
	3/11/94		830.97			oil ch Aeroshell 100 AD	
	5/01/94		835.00			Installed Bendix fuel injector, tuned, flow divider, fuel pump. Removed POSA carburetor. Installed Bendix fuel controller. Replaced all oil lines and fuel lines.	
	5/13/94		850.00			Oil change Aeroshell 100	

CARRY TOTAL TIME TO TOP OF NEXT PAGE

N # 25SP
 MODEL Pitts S1C
 S/N 1A

SMITH AVIATION
 SMITH AIRPORT, C-10
 11980 US HY 67
 MACOMB, IL 61455
 (309)837-1022

DATE 06/15/96
 TACK 887.59
 SMOH 322.05
 TOTAL TIME 937.39

Performed 100HR inspection in accordance with FAR 43, Appendix D. Removed rocker box covers and oil sump for visual inspection of wear, contamination, corrosion, etc.

Installed new Champion REM 38E spark plugs. Installed Slick ignition kit K-4528, including two new magnetos with impulse couplings and ignition harness. Installed new stainless steel cross-over exhaust system with tail pipes and No-Blow gaskets. Fabricated and installed new stainless steel firewall with closed cell foam insulation backing. Installed blast air system on engine driven fuel pump. Replaced all oil hoses with Stratoflex MIL-H-8794. Replaced all fuel hoses with Stratoflex MIL-H-83797. Installed new CHT senders on both rear cylinders. Installed new oil temp gauge and capillary bulb. Fabricated and installed air intake box with bracket type air filter. Fabricated and installed new mounting brackets for oil cooler. Installed new silicon rocker box gaskets. Fabricated all new engine baffles and installed 1/8" silicon baffle seal material.

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

Roger A. Smith
 Roger A. Smith A/P 342383480

ENGINE LOG

YEAR	MO.	DAY	RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
91	11	18	566.54	1.0		1 st FH.	Rich / B...
	"	13	568.43			oil ch Arno shell #40	Jul Booy
1992	12	30	594.36			oil ch mineral Arno shell #40	
	3	19	618.88			oil ch Arno shell W30 AD	
	4	21	643.00			oil ch Arno shell W100 AD	
	8	14	668.33			oil ch Arno shell W100 AG	
	10	29	1992			TACH 692.7	
ENGINE INSPECTED IAW FAR 43 APPENDIX 'D' Diff comp test results #1 77/80 #2 76/80 #3 76/80 #4 78/80 checked oil screen for metal and contaminants DK. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED AND IS IN CONDITION FOR SAFE OPERATION IAW							

CARRY TOTAL TIME TO TOP OF NEXT PAGE Thomas M. Thomas AIP 380846747

ENGINE LOG

YEAR	MO.	DAY	DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATIONS				
			Certificated mechanics or repair facilities must endorse all inspections and repairs with name, rating & Cert. No.				
93	12	9	93	810.86 TACH	I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IAW THE SCOPE AND DETAIL OF FAR 43 APP. 'D' AND FOUND TO BE IN CONDITION FOR SAFE OPERATION."		
			Diff comp test results #1 74/80 #2 78/80 #3 78/80 #4 75/80 12-9-93 Thomas M. Thomas AIP 380846747 IA.				

ENGINE LOG

YEAR		RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
MO.	DAY			TOTAL TIME		
					Valves had 100 hrs. 10-1 Helicopter pistons w/ New Rings,	
					Replaced oil pump. w/ New gears and Housing.	
					Installed Spacer on Right Magneto To achieve proper spacing.	
					Inspected All parts to be service limits or Better.	
					Don Brown 98-834-0791	

CARRY TOTAL TIME TO TOP OF NEXT PAGE

Tulsa, Ok

ENGINE LOG

DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATIONS

Certificated mechanics or repair facilities must endorse all inspections and repairs with name, rating & Cert. No.

YEAR 91

MO. DAY

10 29

Experimental Conversion
0-290-DZ cases

Replaced Crank shaft w/ 0320
Shaft .010, .010 pitted Flange
New bearings, rods & Mains.
Replaced Cam shaft w/ 0320
shaft, service cable. Replace
lifter Bodies w/ overhauled units.

Furnished chrome 435 cylinders
w/ half Inch exhaust valves.

ENGINE LOG

YEAR		RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE	
MO.	DAY						
9/4/90		TACH TIME: 418.59		TOTAL TIME: 468.59			
		CHECKED COMPRESSION #1 72 #2 72 #3 66 #4 70					
<p>I certify that this AIRCRAFT has been inspected on 9/6/90 in accordance with the scope AND detail of appendix D of PART 43 AND FOUND TO be in a condition for safe operation</p> <p><u>Julian Grover AIP 508-80-5815</u></p>							
10/27/90		432.11	Installed Christen AIR/OIL Separator.				John Blum
12/6/90		443.84	Changed oil serviced with Phillips 20 W 50				J B

CARRY TOTAL TIME TO TOP OF NEXT PAGE

ENGINE LOG

YEAR		DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATIONS			
		Certificated mechanics or repair facilities must endorse all inspections and repairs with name, rating & Cert. No.			
MO.	DAY	Tach			
04	04	479.47	Changed oil, serviced with Aeroshell W100, cleaned sparkplugs, Motor mount shock bushings replaced by Aero Services of Denver, Repair Station JV 17261K John Blum		
04	6	479.47	Added secondary fuel regulation system for improved inverted capability. Parts used include "Flow demand regulator" from Airflow Performance, In-line fuel pump, rechargeable sealed battery, misc fittings and 3 way fuel selector valve. John Blum		

ENGINE LOG

YEAR <i>89</i>		RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
MO.	DAY					
<i>10/15</i>	<i>89</i>	<i>311.77</i>		<i>361.57</i>	<i>Changed oil, serviced with Phillips X-C 20W50, Cleaned Spark plugs</i>	<i>John Blum</i>
<i>4/20</i>	<i>90</i>	<i>365.17</i>		<i>414.97</i>	<i>Changed oil, serviced with Aeroshell w 100, cleaned spark plugs.</i>	<i>J Blum</i>

CARRY TOTAL TIME TO TOP OF NEXT PAGE

ENGINE LOG

YEAR <i>90</i>		DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATIONS <small>Certificated mechanics or repair facilities must endorse all inspections and repairs with name, rating & Cert. No.</small>	
MO.	DAY		
<i>7/24</i>	<i>90</i>	<i>fuel 397.90 TT 447.70</i>	
		<i>Replaced original ex exhaust system with new crossover system purchased from Grover & Assoc. Obtained 100 rpm increase in static runup (2,450 rpm)</i>	

John Blum

T.T.

ENGINE LOG

YEAR	MO.	DAY	RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
88	12	10	191.09	240.89	SMOH	Changed oil, serviced w/Phillips 20 w 50, cleaned & gapped plugs. John Blum owner	
<hr/>							
		6/24/88	267.97			POSA Carb. Modified by HART Engines to "super POSA" revision with mixture control. Changed Sparkplugs	J Blum

CARRY TOTAL TIME TO TOP OF NEXT PAGE

ENGINE LOG

YEAR	MO.	DAY	DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATIONS	
			Certificated mechanics or repair facilities must endorse all inspections and repairs with name, rating & Cert. No.	
89	8	1	Tech time 278.33 A Annual inspection and service completed this date. Compression checked # 1/1 # 273 # 372 # 471. Changed oil. Cleaned screens, added Aerashell saw oil. AD 78-05-07 Bendix magneto impulse coupling due at 561.8 Tech time. Dressed prop. CW AD 54-02-1 Magnetos set to 18° BTDC.	
			I certify that this <u>Engine/propeller</u> has been inspected in accordance with a <u>Annual</u> inspection and has been determined to be in <u>airworthy condition</u> . Blumen. JAS 1364/02/05	
89	8	4	Tech time 278.33 Wt + Balance data found. Airworthy condition.	

ENGINE LOG

YEAR 87		RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
MO.	DAY					
9	14	132.26	182.06	SMOH		
OIL CHANGED, SERVICED WITH AEROSHELL 100 50 WT., OIL FILTER INSPECTED - FOUND NO CONTAMINATION - REINSTALLED, PLUGS CLEANED GAPPED - COMP CK. $\textcircled{1} 14/150$ $\textcircled{2} 13/150$ $\textcircled{3} 13/150$ $\textcircled{4} 13/150$ ENG. RUN-UP AND LEAN CK. O.K. I CERTIFY THIS ENGINE HAS BEEN INSPECTED I.A.W. A 100 HR. INSPECTION AND FOUND TO BE IN AIRWORTHY CONDITION. <i>W.R. Blum</i> AIP207555-7 Sept 14, 1987						

CARRY TOTAL TIME TO TOP OF NEXT PAGE

ENGINE LOG

YEAR 88		DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATIONS Certificated mechanics or repair facilities must endorse all inspections and repairs with name, rating & Cert. No.				
MO.	DAY					
7	12	CHANGED ENG. OIL, SERVICED WITH 50WT. AEROSHELL, OIL FILTER O.K. O.K. $\textcircled{1} 73/50$ $\textcircled{2} 73/50$ $\textcircled{3} 72/150$ $\textcircled{4} 14/150$, PLUGS CLEANED				
TACH 134.19		GAPPED. ENGINE CLEANED AND RUN-UP & LEAN CK. A.D. 54-02-01				
TT 183.99		9/16 BY TIMING MARKS NEXT DUE AT TACH 234.19, I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED I.A.W. A 100 HOUR INSPECTION AND FOUND TO BE IN AIRWORTHY CONDITION. <i>W.R. Blum</i> AIP207555-7 July 12, 1988				
9	3	Adjusted POSA carb for Denver Altitude.				
Tach 154.30		Leaned adjusting screw 3 full turns clockwise.				
TT 204.10		Avns OK. <i>John Blum, owner</i>				

ENGINE LOG

YEAR	83		RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
	MO.	DAY					
4	23		62.8	112.75 MOH		INSTALLED POSA 35 M.M. CARB WITH #5 NEEDLE. GROUND RUN O.K.	<i>John Jones</i> A&P 432806468
6-1-84			78.4	123.3 MOH		I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR. INSPECTION & WAS DETERMINED TO BE IN AIRWORTHY CONDITION.	<i>John Jones</i> A&P 432806468

CARRY TOTAL TIME TO TOP OF NEXT PAGE

ENGINE LOG

YEAR	86		DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATIONS
	MO.	DAY	
3	12		CERTIFICATED MECHANICS OR REPAIR FACILITIES MUST ENDORSE ALL INSPECTIONS AND REPAIRS WITH NAME, RATING & CERT. NO. PLUGS CLEANED + GAPPED, COMP. ① 72/180 ② 73/180 ③ 71/180 ④ 71/180 OIL DRAINED - SERVICED AEROSHELL 100, 50 WTS OIL FILTER CHECKED O.K., MAG-TIMED, RUN-UP & LEAN CK. O.K. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR. INSPECTION AND DETERMINED TO BE IN AIRWORTHY CONDITION. TACH 125.79 - TSMOH 175.59 <i>W.R. Wilton</i> A&P 2075587 3/12/86

ENGINE LOG

YEAR	81		RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
	MO.	DAY					
3	31	31.7			81.7	COMPRESSION CHECK I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH THE SCOPE AND DETAIL OF APPENDIX OF PART H3 AND FOUND TO BE IN A CONDITION FOR SAFE OPERATION J. K. Justice AT 92855	

CARRY TOTAL TIME TO TOP OF NEXT PAGE

ENGINE LOG

YEAR	83		DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATIONS				
	MO.	DAY	Certificated mechanics or repair facilities must endorse all inspections and repairs with name, rating & Cert. No.				
3	11	83	TACK 61.80 - ANNUAL INSPECTION PERFORMED, OIL CHANGED, OIL & FUEL SCREENS CHECKED, MAGS & TIMING CHECKED, SPARK PLUGS CLEANED & GAPPED, EXHAUST SYSTEM CHECKED, AD NOTES CHECKED FOR COMPLIANCE (AD LISTING IN REAR OF BOOK) DISCREPANCIES CORRECTED, AD 54-2-1 CW BY INSP & FOUND ACCEPTABLE, AD 74-26-9 CW BY BUSHING REPLACEMENT ON LEFT MAG, AD 78-9-7 & AD 82-20-1 CW BY INSP ON IMPULSE COUPLING OF LEFT MAG PIN 10-51360-26 SIN 19377 & FOUND ACCEPTABLE, AD 78-9-7 DUE NEXT AT TACK 561				
			JASO AIRCRAFT, INC. I certify that this engine was inspected in accordance with Annual inspection and was found to be in airworthy condition.				
			T.J. UNKNOWN SMON 111.7 SIGNED Robert [unclear] APP 1798666 1A				
			COMPRESSION CHECK: 1 78 / 80 3 72 / 80 5 - / 80 2 79 / 80 4 77 / 80 6 - / 80				
			DATE 3-11-83 TACK 61.80				

ENGINE LOG

YEAR 1980		RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
MO.	DAY					
Jan	20					
10	26	78.87	0.7	79.57		J. Kelley

CARRY TOTAL TIME TO TOP OF NEXT PAGE

ENGINE LOG

YEAR 80		DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATIONS <small>Certificated mechanics or repair facilities must endorse all inspections and repairs with name, rating & Cert. No.</small>
MO.	DAY	
		I certify that this aircraft has been insp. on 1/20/80 in accordance with the scope & detail of appendix D of part 43 and found to be in a condition for safe operation. <div style="text-align: right;">Steve L. Pesko # 294181948</div>
2	29 80	
10	26 80-	Changed oil from ^{break-in} mineral oil to Aeroshell 60wt.

ENGINE LOG

YEAR 78		RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
MO.	DAY			67.00		
6	1		1:00	68.0		
6	5		:20	68:20		
6	9		1:10	69:30		
6	11		:20	69:50		
6	30		1:15	71:05		
July	4		:25	71:30		
7	4		:40	72:10		
7	20		1:05	73:15		
7	25		:40	73:55		
Aug	14		:15	74:10		
8	15		:35	74:45		
Sept	25		:40	75:25		

CARRY TOTAL TIME TO TOP OF NEXT PAGE

ENGINE LOG

YEAR 77		RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
MO.	DAY			53:50		
	7	16	45	54:35		
AUG	8	13	2:05	56:40		
	8	17	1:00	57:40		
	8	21	1:35	59:15		
	8	28	2:15	61:30		
SEPT	9	4	1:25	61:55		
	9	14	1:40	63:30		
	9	17	1:10	64:40		
	9	18	2:20	67:00		
	11	18	1/77			

CARRY TOTAL TIME TO TOP OF NEXT PAGE

ENGINE LOG

YEAR		DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATIONS <small>Certificated mechanics or repair facilities must endorse all inspections and repairs with name, rating & Cert. No.</small>
MO.	DAY	
		LEFT CYL. TEMP. INOP. = NEW CYL. TEMP. & LEADS INSTALLED
		10/24/77 Compression #1-72 #2-75 #3-75 #4-76
		11/18/77 Annual Comp. By S.P. Rusto New spark plugs Inst., oil changed - Screens Cleaned. Eng found O.K.

ENGINE LOG

DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATIONS
 Certificated mechanics or repair facilities must endorse all
 inspections and repairs with name, rating & Cert. No.

YEAR	DAY

	NEW PARTS #74792 CAM SHAFT, #78290 HYD.
	APPET PLUNGERS, #72877 HYD. TAPPET BODYS #78027
	ROD BOLTS, #74646 ROD NUTS #60810-M10
	MAIN BEARINGS #69373-M10 ROD BEARINGS,
	#693712 GASKET-NOSE SET, #72434 PISTON PIN
	PLUGS, #60329 OIL PUMP SHAFT, #61174 OIL PUMP
	DRIVE SHAFT, #62418 OIL COOLE HSG. QUARTER
	#65075 HYD. TAPPET SOCKET,
	5 4 RODS - C/W LYC-S/B 1183 REPAIR STATION
	#1035
	CRANKSHAFT SEAL - C/W S/E #1073 REP. STA.
	#1061

NEXT PAGE

ENGINE LOG

YEAR		DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATIONS <small>Certificated mechanics or repair facilities must endorse all inspections and repairs with name, rating & Cert. No.</small>
MO.	DAY	
6	27	1966 - ENGINE PURCHASED FROM FOSTER WELTON FRANKLIN, PENN. - TIME UNKNOWN - S.L.P.
6	-	1974 ENGINE COMPLETELY OVERHAULED TO LYCOMING OVERHAUL STANDARDS, ALL SERVICE INSTRUCTIONS + BULLETINS COMPLIED WITH. - CYL. ASSY. PART NO # 71837 COMPLETE OVERHAUL BY CHROME PLATE INC. CYL. BARREL CHROME PLATED TO STANDARD BORE - CYL. HEAD OVERHAUL WITH NEW PARTS - WORK ORDER # 3-16705 CRAWKSHAFT ALL JOURNALS -.010" FAA REP. STA. # 705-21 WORKORDER # 1605-OVER -

ENGINE DATA

(THIS PAGE MUST BE FILLED OUT COMPLETELY)

MANUFACTURER Lycoming MODEL 0-290-D2 SERIAL NO. 5889-21

DISPLACEMENT 290 cubic in. OIL PRESSURE 60[#]-85[#] OIL TEMP. MAX. 245° F.

WEIGHT 241 RATED H. P. ~~135~~ 140 AT ~~2000~~ 2800 R.P.M.

OIL GRADE: SUMMER 50-SAE. WINTER 20-SAE. OIL CAPACITY 8 QUARTS

FUEL MINIMUM OCTANE 80 FIRING ORDER 1-3-2-4

MAGNETO TIMING ~~20°~~ 18° B.T.C. MAGNETO POINT SETTING .015

SPARK PLUG GAP .025 (MAX. CYL. HEAD TEMP. 260°C 500°F)