

ENGINE LOG
EL-13P

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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ABOVE & BEYOND INC.

August 24, 2023
Continental O-300-D
N4250L

Tach: 2725.56
S/N: 33117-D5D

Performed an Annual/100 Hour inspection IAW FAR 43 appendix (d).
Compressions: #1 56/80 #2-70/80 #3-74/80 #4-65/80 #5-60/80
#6-66/80 with M.O @ 46psi. Oil drain and serviced with 5Qts of
Aeroshell 100W. R&R #2 cylinder top spark plug (UREM38E). Spark
plugs cleaned inspected, gapped and tested. Repaired broken ignition
lead on #4 bottom. R&R magneto gasket (534750). Mounted engine
data plate on engine. R&R alternator gasket (649984). All AD's checked
for compliance and no new AD's at this time. I certify that I have
inspected this engine & prop IAW an Annual Inspection and have found
it to be in airworthy condition on this date.

Joanna Meza A&P 4030031IA



INSPECTION & MAINTENANCE RECORD

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9-4-24 TACH: 2748.4 ✓ CHANGED OIL AND FILTER SERVICE W/
81 QTS AEROSHELL 100W. CLEAN, SPARK AND
REGRIND SPARK PLUGS.

COMPRESSION					
1	2	3	4	5	6
55/80	71/80	54/80	60/80	52/80	62/80

I certify That This ~~ENGINE~~ ^{PROP} Has Been
Inspected In Accordance With ~~AL~~ ^{FA} ~~ANNUAL~~
Inspection And Was Determined To Be In
Airworthy Condition. Time In Service:

TACH: 2748.4 Date: 9-4-24
Signed: [Signature] 35953432A

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
11/27/2020	TACH 2626.84 H2835 4634.20	CHANGE OIL/FILTER. INSPECTED CHAMPION CH48110-1 FILTER + SERVICED W/ 1 QT. ACROSON 100W PLUS <i>MSL</i> #2597426
6-21-21	TACH: 2634.8 TSMAN: 1956.4	CHANGED OIL AND FILTER. SERVICED W/ 8 QTS AS 100W. CLEAN INSP AND REGAP SPARK PLUGS LEAK CK AND RUN UP OK

COMPRESSION					
1	2	3	4	5	6
72/80	76/80	76/80	80/80	77/80	60/80

I Certify That This ENGINE Has Been
Inspected In Accordance With AN ANAL
Inspection And Was Determined To Be In
Airworthy Condition. Time In Service:
TACH: 2634.8 Date 6-21-21
Signed *J. W. H.* 3595343 IA

INSPECTION & MAINTENANCE RECORD

N4250L TACH: 2691.7 DATE: 7-6-22

CHANGED OIL AND FILTER. SERVICED W/ 8 QT. AS 100W.
CLEAN, INSP. AND REGAP SPARK PLUGS. LEAK CHECK AND
RUN UP OK.

COMPRESSION					
1	2	3	4	5	6
64/80	76/80	77/80	60/80	63/80	62/80

I Certify That This ENGINE Has Been
Inspected In Accordance With AN ANAL
Inspection And Was Determined To Be In
Airworthy Condition. Time In Service:
TACH: 2691.7 Date 7-6-22
Signed *J. W. H.* 3595343 IA

INSPECTION & MAINTENANCE RECORD

DATE: 5-7-19 TOTAL TIME: 2487.1
 INSPECTION OR MAINTENANCE PERFORMED: INSPECTION
 AGENCY & CERTIFICATE NO.: TSMON: 1808.7
 CHANGED OIL AND FILTER SERVICE W/ 8 QTS AS100W
 CLEAN, INSPECTION AND REPAIR SPARK PLUGS REPLACED
 AIR FILTER. C/W AD 96-12-22 BY USUAL INSPECTION.

COMPRESSION					
1	2	3	4	5	6
69/80	57/80	58/80	66/80	72/80	68/80

I Certify That This AIRCRAFT Has Been
 Inspected In Accordance With ANNUAL
 Inspection And Was Determined To Be In
 Airworthy Condition. Time In Service:

TAC: 2487.1 Date: 5-7-19
 Signed: [Signature] 355343 TA

INSPECTION & MAINTENANCE RECORD

DATE: 6-4-20 TOTAL TIME: 2572.8
 INSPECTION OR MAINTENANCE PERFORMED: INSPECTION
 AGENCY & CERTIFICATE NO.: TSMON: 1894.4
 CHANGED OIL AND FILTER. SERVICE W/ 8 QTS
 AS100 MINERAL OIL. REPLACED #2 CYL
 W/ COMPLETE NEW CYL ASSY. PIN SA10200-A20P
 REPLACED #6 EXHAUST RISER W/ NEW O/RN K6550176-57
 REPLACED AIR FILTER. REPLACED OIL DRAIN VALVE.
 C/W AD 96-12-22 BY USUAL INSPECTION. DUE AGAIN IN 12 MO.

COMPRESSION					
1	2	3	4	5	6
72/80	78/80	62/80	68/80	60/80	68/80

I Certify That This ENGINE Has Been
 Inspected In Accordance With ANNUAL
 Inspection And Was Determined To Be In
 Airworthy Condition. Time In Service:

TAC: 2572.8 Date: 6-4-20
 Signed: [Signature] 355343 TA

INSPECTION & MAINTENANCE RECORD



552 Perimeter Rd
Greenville, SC 29605
864.299.0314
KGYH - Donaldson Center Airport

9 June 2017
N4250L Cessna 172G SN: 17254319
TCM O-300-D SN: 33117-D-5-D
Tach: 2415.42
Engine Entry

Drained engine oil, removed filter and cut open for inspection, no significant contaminate noted. Serviced engine with 8 qts Aeroshell W100 engine oil and 1 Champion CH48110-1 oil filter.

Replaced cyl #'s 2, 4, & 6 lifter cover gaskets p/n RG-530928, pushrod tube seals p/n 539840 and spring clamps p/n 536388 and rocker cover gaskets p/n 655706 due to oil leaking I/A/W TCM O-300 MM.

Ops and leak check satisfactory, aircraft is approved for return to service.

Peter M Giegerich, A&P 2725379

Peter M Giegerich

1 of 1

INSPECTION & MAINTENANCE RECORD

INSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

DATE

TOTAL
TIME

4-16-18

TACH: 2441.8

TSMO: 1763.4

INSPECTION ENGINE OIL AN ANNUAL INSPECTION,

CHANGED OIL AND FILTER, SERVICE W/ 8 QTS

APPROV. CLEAN, INSPE AND REGAP SPARK PLUGS

LEAK CK AND RUN UP OK, C/W MD 96-12-22 BY VISUAL

INSPE

COMPRESSION

1	2	3	4	5	6
13.80	17.80	17.80	16.280	17.480	16.880

I Certify That This ~~ENGINE~~ Has Been

Inspected In Accordance With ~~AN ANNUAL~~

Inspection And Was Determined To Be In

Airworthy Condition. Time In Service:

TACH 2441.8

Date 4-16-18

Signed *[Signature]* J595345 JA

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
Greenville Jet Center 1 Aviation Lane Greenville, South Carolina 29607 Cessna 172G N4250L S/N 17254319 Tach 2354.23 Hobbs 4334.5 September 22, 2016		

AIRFRAME

1. Removed and replaced starter contactor assembly P/N P52-0033. Operational check satisfactory.
2. Removed and replaced primer pump o-rings P/N MS28775-012. Operational check satisfactory.

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

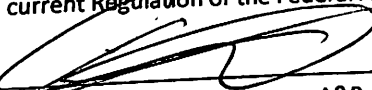
 9/22/16
 Chester B Matthew A&P 3077146 DATE

Greenville Jet Center 1 Aviation Lane Greenville, South Carolina 29607
Cessna 172G N4250L S/N 17254319 Tach 2368.85 Hobbs 4350.6 November 30, 2016

AIRFRAME

Installed missing cowlings rivets on lower LH side.

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

 11/30/16
 Chester B Matthew A&P 3077146 DATE

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
Greenville Jet Center 1 Aviation Lane Greenville, South Carolina 29607 Cessna 172G N4250L S/N 17254319 Tach 2384.5 ACTT 7728.1 March 1, 2017		

Engine Continental O-300-D S/N 33117-D-5-D TSR 1706.1

1. Completed Annual Inspection per FAR 43, IAW Cessna 172 Service Manual Inspection Guide, complied with all applicable maintenance, service and lubrication requirements.
2. All Airworthiness Directives researched and complied with through revision 2017-04.
3. Compressions: #1 70/80, #2 73/80, #3 72/80, #4 78/80, #5 76/80, #6 77/80
4. Complied with Continental Motors 100-hour inspection items IAW Publication X30013.
5. Replaced Induction filter BA6108
6. Drained oil, filter removed and inspected, no debris noted in filter. Replaced filter P/N CH48110-1 and serviced with 8 quarts of Aeroshell 15W50.
7. Replaced all spark plugs, installed P/N UREM38E

NEXT ANNUAL INSPECTION DUE BY: March 31, 2018

I certify that this engine has been inspected in accordance with Annual/100 Hour inspection criteria and was determined to be in airworthy condition.

 3/1/2017
 Douglas K. Bowling A & P 2640973 IA Date

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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Greenville Jet Center 1 Aviation Lane Greenville, South Carolina 29607

Cessna 172G N4250L S/N 17254319 Tach 2306.5 ACTT 7650.1 August 8, 2014

Engine Continental O-300-D S/N 33117-D-5-D TSR 1628.1

1. Completed Annual Inspection per FAR 43, IAW Cessna 172 Service Manual Inspection Guide, complied with all applicable maintenance, service and lubrication requirements.
2. All Airworthiness Directives researched and complied with through revision 2014-15.
3. Compressions: #1 76/80, #2 56/80, #3 62/80, #4 62/80, #5 66/80, #6 68/80
4. Complied with Continental Motors 100 hour inspection items IAW Publication X30013.
5. Drained oil, filter removed and inspected, no debris noted in filter. Replaced filter P/N CH48110-1 and serviced with 8 quarts of Aeroshell 15W50.

NEXT 100 HOUR/ANNUAL INSPECTION DUE BY: Tach 2406.5 or August 31, 2015, whichever occurs first

I certify that this engine has been inspected in accordance with Annual/100 Hour inspection criteria and was determined to be in airworthy condition.

BKL 8/8/2014
Douglas K. Bowling A & P 2640973 IA Date

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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Greenville Jet Center 1 Aviation Lane Greenville, South Carolina 29607

Cessna 172G N4250L S/N 17254319 Tach 2331.88 ACTT 7675.48 December 4, 2015

Engine Continental O-300-D S/N 33117-D-5-D TSR 1653.48

1. Completed Annual Inspection per FAR 43, IAW Cessna 172 Service Manual Inspection Guide, complied with all applicable maintenance, service and lubrication requirements.
2. All Airworthiness Directives researched and complied with through revision 2015-23.
3. Compressions: #1 74/80, #2 58/80, #3 70/80, #4 74/80, #5 74/80, #6 58/80
4. Complied with Continental Motors 100-hour inspection items IAW Publication X30013.
5. Replaced Induction filter BA6108
6. Drained oil, filter removed and inspected, no debris noted in filter. Replaced filter P/N CH48110-1 and serviced with 8 quarts of Aeroshell 15W50.

NEXT ANNUAL INSPECTION DUE BY: December 31, 2016

I certify that this engine has been inspected in accordance with Annual/100 Hour inspection criteria and was determined to be in airworthy condition.

BKL 12/4/2015
Douglas K. Bowling A & P 2640973 IA Date

Cessna 172G TAIL# N4250L S/N 17254319 Tach 2267.57 ACTT 7611.17 August 8, 2011

Completed Annual Inspection per FAR 43, IAW Cessna 172 Service Manual Inspection Guide. All Airworthiness Directives researched and complied with through revision 2011-15.

Drained oil, sample taken, removed and inspected oil filter, replaced filter P/N CH48108-1 and serviced with 8 quarts of Aeroshell 100W. Replaced Induction Air Filter P/N BA6108. Timed magnetos, cleaned and inspected spark plugs, inspected ignition harness; borescope and operational check of engine complied with. Engine data plate unreadable. Plate removed, written authorization from South Carolina FSDO obtained for replacement, data plate sent to TCM for reissue.

I certify that this engine has been inspected in accordance with Annual/100 hour inspection and was determined to be in airworthy condition.

Douglas K. Bowling A & P 2640973 IA

Cessna 172G TAIL# N4250L S/N 17254319 Tach 2267.57 ACTT 7611.17 August 29, 2011

Installed replacement data plate supplied by TCM IAW SIL00-9A.

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

DOUGLAS K. BOWLING A&P 2640973 IA DATE 8/29/2011

DATE _____

TOTAL
TIMEINSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

Cessna 172G N4250L S/N 17254319 Tach 2290.99 ACTT 7634.59 March 5, 2013

1. Completed Annual Inspection per FAR 43, IAW Cessna 172 Service Manual Inspection Guide, complied with all applicable maintenance, service and lubrication requirements.
2. All Airworthiness Directives researched and complied with through revision 2013-3.
3. Compressions: #1 74/80, #2 64/80, #3 62/80, #4 70/80, #5 70/80, #6 62/80
4. Complied with Continental Motors 100 hour inspection items IAW Publication X30013.
5. Drained oil, filter removed and inspected, no debris noted in filter. Replaced filter P/N CH48108-1 and serviced with 8 quarts of Aeroshell 15W50.
6. Replaced engine bonding strap P/N 0550100-7
7. Replaced broken right exhaust clamp P/N S1601-36
8. Ground run static checks and test flight satisfactory.

NEXT 100 HOUR/ANNUAL INSPECTION DUE BY: Tach 2390 or March 31, 2014, whichever occurs first
I certify that this engine has been inspected in accordance with Annual/100 Hour inspection criteria and was determined to be in airworthy condition.

BK11 3/5/2013
Douglas K. Bowling A & P 2640973 IA Date

DA:

HIS TIME.
Ry J Smith
AP370708274

DATE 6-22-09

THIS ENG HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR. INSPECTION AND FOUND TO BE AIRWORTHY AT THIS TIME.

40370708274

DATE _____

TOTAL
TIMEINSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

Engine

Engine
Continental O-300-D S/N 33117-D-5-D Time Since Rebuild 1575.1 Total Accumulated Time 5209.9
 Drained oil, sample taken, removed and inspected oil filter, replaced filter P/N CH48108-1 and serviced with 8 quarts of Aeroshell 100W. Timed magnetos, cleaned and inspected spark plugs, inspected ignition harness, borescoped and operational check of engine complied with. Complied with Cessna 172 Maintenance Manual Annual Inspection Items. All Airworthiness Directives researched and complied with through release 2010-14.

I certify that this aircraft has been inspected in accordance with Annual inspection and was determined to be in airworthy condition.

Douglas K. Bowling A & P 2640973 IA

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
2/17/06	TACH 2080.0	SMOH 1402.2 STOH 181.9 - REMOVED ENGINE COWLING, DRAINED OIL, REMOVED OIL FILTER (CUT OPEN NO METAL FOUND). INSTALLED NEW CH48110-1 OIL FILTER SERVICED WITH 7QTS AEROSHELL 100W AD. INSTALLED NEW BA6108 AIR FILTER, CLEANED & GAPPED SPARK PLUGS, CHECKED MAG TIMING. INSPECTED INTAKE & EXHAUST SYSTEMS. INSPECTED & LUBED ENGINE CONTROLS. CLEANED FUEL SCREEN. COMPRESSION CK #1 78/80 #2 80/80 #3 78/80 #4 76/80 #5 78/80 #6 78/80. C/W AD 96-12-22 OIL FILTER ADAPTER. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. — Chpt S. Helys FA 292548243 AOP
7/19/06	TACH 2148	DRAINED OIL CUT FILTER OPEN (NO METAL) SERVICED WITH 8 QTS AEROSHELL 100W. INSTALLED NEW CH48110 OIL FILTER m/this 2769844

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
5/01/07	TACH 2185.0	SMOH 1507.2 STOH 286.9 - REMOVED ENGINE COWLING, DRAINED OIL, REMOVED OIL FILTER (CUT OPEN "NO METAL FOUND"). INSTALLED NEW CH48110-1 OIL FILTER, SERVICED WITH 8QTS AEROSHELL 100W. INSTALLED NEW BA6108 AIR FILTER, CLEANED & GAPPED SPARK PLUGS, CHECKED MAG TIMING, INSPECTED & LUBED ENGINE CONTROLS, INSPECTED INTAKE & EXHAUST SYSTEMS. CLEANED FUEL SCREEN. COMPRESSION CK #1 74/80 #2 76/80 #3 74/80 #4 72/80 #5 74/80 #6 74/80. C/W AD 96-12-22 OIL FILTER ADAPTER. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. Chpt S. Helys FA 292548243 AOP

INSPECTION & MAINTENANCE RECORD

2005

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
3 JAN 05	TACH 1898.1 SMOH 1280.3 TOSH 0.0	REMOVED ENGINE COUPLING, DRAINED OIL, INSPECTED INTAKE & EXHAUST SYSTEM. REPLACED LT & RT MUFFLERS FROM MICRORAFT (OVERHAULED). INSTALLED & OVERHAULED TO STD SPECS CYLINDERS (SEE YELLOW TAGS) GIBSON AVIATION. ALL WORK WAS ACCOMPLISHED IAW CONTINENTAL SERVICE & OVERHAUL MANUALS. INSTALLED OVERHAULED MA3SPA CARB, (SEE YELLOW TAG) MIKES AK FUEL METERING SERVICE. INSPECTED & LUBED ENGINE CONTROLS. CLEANED & GAPPED PLUGS, SET MAG Timing. COMPRESSION CK #1 78/80 #2 78/80 #3 80/80 #4 78/80 #5 80/80 #6 80/80. AD 94-05-05 C/W AT CYLINDER OVERHAUL. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. Chris S. Hillyer IA 292548243 AOT
19 JAN 05	TACH 1923.1 SMOH 1245.3 TOSH 26.0	DRAINED OIL, (MINERAL) CUT FILTER OPEN (NO METAL FOUND) SERVICED WITH 8 QTS AEROSHELL 100W, INSTALLED NEW CH48110-1 FILTER. Chris S. Hillyer AIP 292548243

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
14 APR 05	TACH 1982.3 SMOH-1304.5 STOH-84.2	DRAINED oil, cut filter open (no metal found) SERVICED with 7 qts of Phillips 100W AD. Installed new CH48110-1 Filter. Michael J. Hart owner/operator Michael J. Hart cert. #2769844
6 DEC 05	TACH 2063.8 SMOH STOH	DRAINED oil, cut filter open (no metal found) SERVICED with 7 qts of Shell 100W AD. Installed new CH48110-1 Filter. Michael J. Hart 2769844

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
7-26-02	TACH 1570.6 TSMOH 951.7	DRAINED ENGINE OIL. INSPECTED OIL FILTER FOR METAL. NONE FOUND. CHECKED COMP AS FOLLOWS: ①67 ②68 ③74 ④70 ⑤77 ⑥74. CLEANED SPARK PLUGS. DRAINED CARB BOWL. CHECKED + CLEANED ALL FUEL SCREENS & SUMPS. INSP EXHAUST SYSTEM. LUBED ALL ENGINE CONTROLS. SERVICED ENGINE WITH NEW CH48110 FILTER & 8 QTS 100 NON-DET AEROSHELL. CLEANED + TEST RAN ENGINE. OK AT THIS TIME. HOURS <u>951.7</u> SMOH DATE <u>7-26-02</u> AT THE TIME OF THIS INSPECTION I CERTIFY THAT THIS <u>ENGINE</u> HAS BEEN INSPECTED IN ACCORDANCE WITH AN <u>ANNUAL</u> INSPECTION AND WAS DETERMINED TO BE IN AN AIR-WORTHY CONDITION. <u>Steve Balin</u> AP250296802 IA
12-20-02	tach 1620.00	Changed oil & Filter <u>Michael J. Hays</u> 265830748 11/04 CFI/171

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
5/15/03	1670.0	Charged oil & filter <u>B. K. R.</u> 265830748
9/29/03	TACH 1688.6	SMOH 1010.8 REMOVED ENGINE COUPLING, DRAINED OIL, CUT OLD FILTER OPEN (NO METAL FOUND) SERVICED WITH 8 QTS AEROSHELL 100W, INSTALLED NEW CH48110 OIL FILTER, CLEANED & GAPPED SPARK PLUGS, INSTALLED NEW BA4108 AIR FILTER, INSPECTED & LUBED ENGINE CONTROLS, INSP. INTAKE + EXHAUST SYSTEM, CLEANED FUEL SCREEN, COMPRESSION CK #1 68/80 #2 70/80 #3 74/80 #4 72/80 #5 78/80 #6 72/80. CHECKED MAG TIMING. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. <u>Chris S. Hays</u> IA 292548243 ACP
01-15-04		Changed oil & Filter <u>M. J. Hays</u> 2769844

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
2-1-00	TACH 1540.1	1 CHANGED OIL + FILTER. SERVICED ENGINE WITH 7 QTS 100W AEROSHELL. CHECKED COMP AS FOLLOWS: ①75 ②69 ③76 ④75 ⑤71 ⑥73. CLEANED + GAPPED SPARK PLUGS, INSP EXHAUST SYSTEM FOR CRACKS, LEAKS, BULGES, ETC. CHECKED FUEL SCREENS. INSP + LUBED ENGINE CONTROLS. CW A.D. 96-09-06 BY REPLACING FILTER ASSEMBLY WITH NEW PART. A.D. NO LONGER APPLIES. CW A.D. 96-12-22 BY INSP OF OIL FILTER ADAPTER. CLEANED + TEST RAN O.K. AT THIS TIME.
		HOURS <u>921.2 smoh</u> DATE <u>2-1-00</u> AT THE TIME OF THIS INSPECTION I CERTIFY THAT THIS <u>ENGINE</u> HAS BEEN INSPECTED IN ACCORDANCE WITH AN <u>ANNUAL</u> INSPECTION AND WAS DETERMINED TO BE IN AN AIR-WORTHY CONDITION.
		<u>Stu F. Balin</u> 1A250296802

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
3-24-01	TACH 1563.2	DRAINED ENGINE OIL. INSP OIL FILTER CONTENTS. NO METAL FOUND. CHECKED COMP AS FOLLOWS: ①72 ②70 ③75 ④63 ⑤20 ⑥76. FOUND CRACK IN CYL NO 5. REPLACED WITH NEW CYL ASSEM FROM ENGINE COMPONENTS, INC. WITH CLASSIC CAST CERMI-NIL CYL. INSTALLED USING NEW GASKETS, NUTS, WASHERS ETC. CLEANED SPARK PLUGS. SERVICED ENG WITH NEW OIL FILTER + 8 QTS 100 NON-DET AEROSHELL. LUBED ENG CONTROLS. INSP FUEL SCREENS. CW AD 96-12-22 BY INSP OF OIL FILTER ADAPTER ASSEM. CLEANED + TEST RAN ENG. OPDS CHECK NORMAL AT THIS TIME.
		HOURS <u>944.3 smoh</u> DATE <u>3-24-01</u> AT THE TIME OF THIS INSPECTION I CERTIFY THAT THIS <u>ENGINE</u> HAS BEEN INSPECTED IN ACCORDANCE WITH AN <u>ANNUAL</u> INSPECTION AND WAS DETERMINED TO BE IN AN AIR-WORTHY CONDITION.
		<u>Stu F. Balin</u> 1A250296802 IA

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
2-17-98	TACH 1462.1	DRAINED OIL. CHECKED COMP AS FOLLOWS: ①76 ②77 ③75 ④76 ⑤72 ⑥77. REMOVED EXHAUST SYS DUE TO LEAKS. FOUND CYL NOS 2, 4, 5 TO BE CRACKED IN EXHAUST PORTS. REMOVED AND SENT FOR REPAIR. SHOP DETERMINED THEY WERE NOT REPAIRABLE DUE TO CRACK LOCATIONS EXTENDING INTO & AROUND EXHAUST GUIDE BOSSES. INSTALLED (3) THREE CERMIB-NIL COMPLETE ASSEMBLIES USING NEW GASKETS, INTAKE HOSES. SEE TAGS FOR CYLS WITH THIS DATE. SERVICED ENGINE WITH 8 QTS 50WT NON-DET AEROSHELL AND NEW OIL FILTER. CHECKED MAG TIMING. CLEANED SPARK PLUGS. TEST RAN ENGINE AND FOUND NO LEAKS AT THIS TIME. CW A.D. 96-12-22 BY INSP OF OIL FILTER ADAPTER. CW A.D. 96-09-06 BY INSP OF FILTER GASKET, INSTALLED NEW ELEMENT BA-6108.
		HOURS 843.2 smoth DATE 2-17-98 AT THE TIME OF THIS INSPECTION I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIR-WORTHY CONDITION.
		Sten F. Balini IA 250296802

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
5-30-98	TR's 1474.7	CHANGED OIL + FILTER. SERVICED ENGINE WITH 7 QTS 100W AEROSHELL. TIGHTENED ROCKER COVER SCREWS. CLEANED + TEST RAN ENGINE. Sten F. Balini AP 250296802
1-8-99	TACH 1493.3	CHANGED OIL + FILTER. SERVICED ENGINE WITH 7 QTS 100W AEROSHELL. CHECKED COMP AS FOLLOWS: ①75 ②74 ③77 ④74 ⑤75 ⑥73. CLEANED, GAPPED AND TESTED SPARK PLUGS. REPLACED 7 PLUGS WITH NEW REMUE. REINSTALLED ALL PLUGS. CHECKED MAG TIMING. INSPECTED EXHAUST SYSTEM. CHECKED FUEL SCREENS. CW A.D. 96-09-06 BY INSP OF FILTER GASKET. CW A.D. 96-12-22 BY INSP OF OIL FILTER ADAPTER. A.D. 97-01-13 NA PER TYPE HOSES NOT INSTALLED. CLEANED + TEST RAN ENGINE WITH NO LEAKS, OPPTS CHECK GOOD AT THIS TIME. HOURS 874.4 smoth DATE 1-8-99 AT THE TIME OF THIS INSPECTION I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIR-WORTHY CONDITION.
		Sten F. Balini IA 250296802

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
2-14-96	TACH 1386.64 1367.34 IT Correction 4402.53	SMOH 767.69 INSPECTED ENGINE IAW FAR 43 APP D for AN ANNUAL INSPECTION. REPLACED CARBURETOR FLOAT NEEDLE VALVE & SEAT, ADJUSTED FLOAT LEVEL, C/W AD 9318-03 by replacing 2 piece VENTURI WITH 1 piece VENTURI. REPLACED VALVE COVER GASKETS ON #2, #4 & #6 cyl. RESWAGGED PUSH ROD TUBES ON #2 & #4 Cyl. REPLACED CLAMP ON RIGHT EXHAUST EXTENSION. REPLACED #6 INTAKE CLAMP. REPLACED SEVERAL EXHAUST BOLTS. COMPRESSION #1 72/80 #2 72/80 #3 74/80 #4 74/80 #5 72/80 #6 75/80. CLEANED AND GAPPED SPARK PLUGS. CHANGED OIL & OIL FILTER SERVICED w/ 8qt Aeroshell 50W. INSTALLED CHAMPION CH48110 FILTER. GROUND RUN CHECKED GOOD. ENGINE WAS DETERMINED TO BE IN AIRWORTHY CONDITION AT THIS TIME. Claude Person APP 5194458708A
9/19/96	TACH 1406	Changed oil + Filter/wash + dried JB Ashby #1695966

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
1-25-97	TACH 1420.5	CHANGED OIL + FILTER USING 8 QTS AEROSHELL 50W. CHECKED COMP AS FOLLOWS: ①76 ②76 ③74 ④78 ⑤72 ⑥76. CLEANED + GAPPED SPARK PLUGS. CHECKED ENGINE CONTROLS. INSTALLED NEW BRACKET AIR FILTER. C/W A.D. 96-12-22 BY INSP OF OIL FILTER ADAPTER. NO LEAKS. C/W A.D. 96-09-06 BY INSP OF AIR FILTER GASKET. INSP EXHAUST SYSTEM FOR LEAKS. CLEAN FUEL SCREENS. CLEANED AND TEST RAN ENGINE. OPPS CHECK GOOD. HOURS 801.6 SMOH DATE 1-25-97 AT THE TIME OF THIS INSPECTION I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIR-WORTHY CONDITION. Sten F. Barlin IAD50296802

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
26 Sept 94	1238.1	Tach - Changed engine oil and filter with Aerashell 50/CH-48110 Filter #1695966 - JB Gally
10/22/94	1272.5	TACH - Change oil as above #1695966 - JB Gally
26/11/94	TT 4296.13	smoh 661.29 ALL AD. NOTES C/W TO THIS DATE. CLEANED, GAPPED & ROTATED SPARK PLUGS. CHECKED MAG Timing TO ENGINE. COMPRESSION CH. #1 74/80 #2 74/80 #3 74/80 #4 74/80 #5 74/80 #6 72/80 - I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. Christy J Gally FA 29258243
JAN 13 95	1297.04	TACH. REMOVED RIGHT MAGNETO AND REBUILT WITH NEW COIL AND POINTS. INSTALLED AND TIMED BOTH MAGNETOS. RESET IDLE MIX AND SPEED. J. M. Hooten ATP 1211436

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
1995		
1/3/95	1296.0	Changed oil and filter (Aerashell-50) CH-48110 Filter #1695966 - JB Gally
3/28/95	1319.0	Oil Change + Filter as above - JB Gally #1695966
9/18/95	1359.5	Oil Change + Filter as above - JB Gally
9-19-95	1359.5	FREED STUCK EXHAUST VALVE IN #4 CYLINDER REMOVED LEFT MAGNETO FOR REPAIR Claude L. Diersen 519445870 A&P
9-27-95	1359.5	INSTALLED LEFT MAGNETO, TIMED TO 26° BTDC. UNABLE TO RUN UP DUE TO LOW BATTERY. Claude L. Diersen 519445870 A&P

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
MARCH 4, 1993		
	T.T. TIME 1132.38	
		CHANGED ENGINE OIL & FILTER AEROSHELL 100 WT.
Aug 3, 1993		2 Pyle 1474.34 SA.
1158.0 Tach		Changed engine oil + filter with Aeroshell 50 / Champion CH48110 1495986
DEC. 16-93	Tach 1172.67	HOORMESTER 2844.8 #4 cyl. removed due to stuck valve. Reamed exhaust guide and lapped valves. Re installed. checked all remaining valves and found guide clearance OK. 4 new exhaust studs installed. Timed both magnetos. checked compression #1, #1 = 76/80 #2 = 76/80 #3 = 75/80 #4 = 78/80 #5 = 74/80 #6 = 70/80 SPARK PLUGS, CLEANED AND GAPPED AND ROTATED. Removed CARBURETOR AND checked VENTURI AND FOUND SECURE

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
		IN ACCORDANCE AD 99-99-21 Replaced CARB AIR INLET FILTER ELEMENT with new element. Reversed Throttle ARM Bolt Large washer by placing on outside as safety on bearing race. Engine operation check OK.
		Engine TOTAL Time 15 4188.56
Time SINCE		MAJOR OVERHAUL by T.W. SMITH 15 553.72
		Date DEC. 16-93
		Tot. Time A/C _____ Engine 4188.56
		I Certify This <u>Engine</u> Has Been In-
		spected in accordance With A <u>ANNUAL</u>
		Inspection and has Determined At This Time
		To be in <u>airworthy</u> Condition.
		Name <u>John H. Smith</u> A&P# <u>1211436</u> A&P

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
8-5-91	Tach Time	952.17 Changed oil filter (Champion CH48110)
10-12-91	Tach Time	980.02 Changed oil + filter Gary Jones
DATE <u>03-02-92</u> TAC <u>1010.8</u> TOTAL <u>371.85</u> SMOH. I CERTIFY THAT THIS <u>Engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>Annual</u> INSPECTION AND WAS DETERMINED TO BE IN AN AIR WORTHY CONDITION. <u>James (JL)</u> <u>4885860 JA</u> Normal Maint to C.V. Annual Inspection. Cleaned Gaps and Piston Plugs. Replaced Nuts on #6 Exhaust. Compression Check #1-75, #2-75, #3-76 #4-79-5-78-6-77		
6-9-92	Tach Time	1042.64 Changed oil Filter (Champion CH48110) Mobil RV 1
9-16-92	Tach Time	Changed oil + Filter / Aero 5W/50 #18 Ashley 1695966
01-6-93	TACH TIME	1123.9

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
Dec. 1, 1992	T.T. 1120.36	
	TOTAL TIME 501.41	
	COMPRESSION CHK'D. C/W AS FOLLOWS #1 cyl. $\frac{78}{80}$ #2 cyl. $\frac{78}{80}$ #3 cyl. $\frac{78}{80}$ #4 cyl. $\frac{78}{80}$ #5 cyl. $\frac{78}{80}$ #6 cyl. $\frac{78}{80}$ WASHED & RAN ENGINE. ADJUSTED IDLE MIXTURE AS PER SERVICE MANUAL, CLEANED & RECAPED ALL SPARK PLUGS, NO OIL LEAKS FOUND AND ALL AIDS C/W. CHANGED ENGINE OIL AEROSHELL 500V.	
	TOTAL TIME <u>501.41</u> TOTAL TACH TIME <u>1120.36</u> I CERTIFY THIS <u>Engine</u> HAS BEEN INSPECTED I/A/W AN ANNUAL INSP. THIS DATE AND WAS FOUND AIRWORTHY. <u>Freddie J. Doyle</u> IA1494034	
JAN 17 1993	TOTAL TACH TIME	
	INSTALLED E.G.F. ON ENGINE THIS DATE OPS. CHECKED O.K. T.S.O # ENTERED BACK OF LOGBOOK 2 Doyle 1494034 IA	

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
7-5-90	Tach Time 725.64	Reamed all exhaust valve guides. Installed new rocker box cover gaskets. High tension lead test check O.K. Check and set mag to engine timing. Work done under repair work order. S 383 P. Tig engine returned to service. Encl. Steven Dan
T. W. SMITH ENGINE CO., INC. HANGAR #1 - LUNKEN AIRPORT CINCINNATI, OHIO 45226 CERTIFIED REPAIR STATION No. CB1R054K		
8-25-90	Tach Time 779.24	Changed Oil Mobil Av I 20-50 and installed new filter Champion CH48110 - Dale Busbrom
11-07-90	Tach Time 829.3	Changed filter Champion CH48110 - Dale Busbrom

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
Normal Maint to C. W. on Annual Inspection oil Not changed per owner (cleaned zapped and rotated plugs - Compression CK #1-74 #2-74, #3-75, #4-78, #5-76, #7-78 Replaced Fresh End Tube Seals on #4 & #6 Cylinders. Replaced intake filter element.		DATE <u>March 7, 1991</u> TAC <u>862-39</u> TOTAL <u>243.44</u> SMO H I CERTIFY THAT THIS <u>Aircraft Engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A/AN <u>Annual</u> INSPECTION AND WAS DETERMINED TO BE IN AN AIR WORTHY CONDITION <u>Jimmy Cal</u> <u>888543860 AP.</u>
5-5-91	Tach Time 879.9	Changed oil Mobil Av I 20-50 and installed new Champion CH48110 filter Dale Busbrom
7-5-91	Tach Time 917.2	Released stuck Exhaust Valve on cyl #1. Rings was normal & compression check #1 ^{TC} /80 <u>Patricia C. W. H. AP 388765220</u>
7-11-91	Tach Time 921.3	Removed all Six Cyl. Reamed Exhaust valves Reinstall with New seals. Jimmy Cal 888543860 AP.

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
23 MAY 90	TACH TIME	705.4 REAM EXHAUST GUIDE ON #1 CYLINDER. RE-ASSEMBLED AND TEST RAN ENGINE. (Jank Gugen A/P 487645203
6/14/90	Tach Time	712.7 Charged oil Mobil 1-20-50 and installed new filter Dale Busboom Test #01584638 SE/
8/25/90	Tach Time	779.2

INSPECTION & MAINTENANCE RECORD

DATE		TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.	
KAL-AERO, INC.			ENGINE LOGBOOK ENTRY	
# 4250L	MAKE Continental	MODEL 0-300D	S/N 33117-D-5-D	
PAGE 1 OF 1	POSITION	HOURS 715.6	CYCLES	
1) Removed #5 cyl, Reamed exhaust guide, ground and lapped valves & seats. Reinstalled cyl.				
2) Reamed #2 cyl exhaust guide with out removing cyl.				
-END-				
The engine identified on this form was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and only that work performed is approved for return to service. Pertinent details of this repair are on file at this repair station under:				
WORK ORDER # 99079	DATE 6/18/90	SIGNED <i>James Van Strien</i>		
KAL-AERO, INC.	5605 PORTAGE RD.	KALAMAZOO, MI.	49002	CRS # 3240

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
9-19-89	645.3	Changed oil Amsoil 15-50 and installed new filter Mik. Bushboom Cert. #01584638 SEL
1-31-90		Engine disassembled due to prop strike. All parts cleaned with solvent. Ports magnaflux and dyglo. Crankshaft found defective. Assembled engine with an serviceable exchange crankshaft and all other parts re-mad with new spacers. This engine is in serviceable condition. Work done under repair work order 5340. Encl. Steven Dan

T. W. SMITH ENGINE CO., INC.
HANGAR #1 — LUNKEN AIRPORT
CINCINNATI, OHIO 45226
F.A.A. REPAIR STATION 1045

DATE 03/03/90

TAC 662.6

TOTAL 43.65 SMOH

I CERTIFY THAT THIS Engine
HAS BEEN INSPECTED IN ACCORDANCE
WITH A/AN General INSPECTION
AND WAS DETERMINED TO BE IN AN AIR
WORTHY CONDITION. Jimmy Call

Re-installed this Engine to N4250K
a C172G - Serviced with Phil
Non Det oil

1788543860-1A

THIS ENGINE WAS RE-BUILT ACCORDING TO
MANUFACTURER'S MANUAL AND MUST BE
OPERATED IN STRICT ACCORDANCE WITH
ORIGINAL ENGINE MANUFACTURER'S OPER-
ATIONS MANUAL.

ENGINE TEST RUN PER MANUFACTURER'S
SPECIFICATION FOR 22 HRS.
ON 8-18-89 T. W. SMITH ENGINE
CO. INC. C.R.S. 1045

Herbert

IN SOME INSTANCES P.M.A. PARTS
ARE USED OTHER THAN THE ORIGINAL
MANUFACTURER'S.

P.M.A. PARTS MEET F.A.A.
SPECIFICATIONS.

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION	
INSPECTION REMINDER	
The next inspection of this aircraft is required by Federal Aviation Regulation	
SECTION :	<i>Engine</i>
HOURS-IN SERVICE :	<i>501.41 TOTAL TIME</i>
OR	
DATE DUE :	<i>Dec. 31, 1983</i>

FAA Form 8600-1 (4-78)
Formerly FAA Form 8320-2

ENGINE EQUIPPED WITH

CEMIMEROME CYLINDERS

CAUTION

This engine is equipped with chrome cylinders, and has
been completely test run and is ready for normal operation.
No further ground run or slow flight is required. Additional
ground run or slow flight will glaze cylinders and void warranty.

THIS RE-BUILT ENGINE INSTALLED IN N 4250L IN GEN. REPAIR
POSITION WITH:

HARNESS

~~STARTER~~

~~ALTERNATOR~~

VACCUM PUMP

~~TACH GENERATOR~~

~~FUEL INJECTION~~

~~FUEL CHARGE~~

~~ENGINE OIL PUMP VALVE~~

~~FUEL PUMP~~

~~WATER PUMP~~

~~COOLER~~

~~STARTER~~

~~GENERATOR~~

~~ALTERNATOR~~

~~VACUUM PUMP~~

~~TACH GENERATOR~~

~~VALVE~~

~~ENGINE OIL PUMP~~

~~ENGINE OIL PUMP~~

~~SMALL CONTROLLER~~

MOUNT RUBBERS

FUEL & OIL LINES

REPAIR WORK ORDER# S3131

TACH 6618.75

BY: Alexander Dan

DATE 8-18-89

T.W. SMITH ENGINE CO., INC.

LUNKEN AIRPORT

CINCINNATI, OHIO 45226

F.A.A. REPAIR STATION 1045

TWS

TWS

TWS

RE-BUILT BY
T.W. SMITH
ENGINE CO., INC.

TWS

TWS

TWS

Model 0-300-DSerial 33117-D-5-D

Limited Warranty

W.O. E2497Date 8-16-89

It is expressly agreed that we, warrant re-built engines and accessories (except those accessories being re-built or purchased from another vendor who has warranted said accessory and whose warranty will be passed through to the purchaser and be the only warranty on such accessory) to be free from defects in material and workmanship, under normal use and service, for 240 hours of operation or 180 days from date of sale, whichever ever occurs first, in accordance with the following conditions:

1. T.W. SMITH ENGINE CO., INC. reserves the right to repair or replace, or to authorize repair or replacement, any items which fail due to defect in material or workmanship, and further provided that the engine has been operated under normal use and service, according to aircraft operation manual, unless otherwise specified.
2. T.W. SMITH ENGINE CO., INC. is notified before any repairs are performed.
3. T.W. SMITH ENGINE CO., INC. shall have the option to furnish any parts or accessories required, and provided further that defective parts or accessories are promptly returned to T.W. SMITH ENGINE CO., INC. freight prepaid.
4. All repairs are performed on a standard charge basis and not on an overtime basis, and providing further that the charges are reasonable for the repairs accomplished, that the cost of all charges must be agreed upon prior to any warranty work being accomplished.
5. Provided this engine was installed by a Federal Aviation Administration certified mechanic or repair station.
6. That the owner has available and has read the aircraft flight manual for said engine and T.W. SMITH ENGINE CO., INC. reserves the right to deny any warranty claim if it reasonably determines that the engine or part thereof has been subjected to accident or used, adjusted, altered, handled, maintained or stored other than as directed in said owners manual.

This engine is further warranted on a prorated basis except that no labor allowance will exist after the period of 240 hours of operation or 180 days from date of sale and said further prorated basis shall be subject to the provisions herein. The engine proration is based on the ratio of hours logged or at the rate of 40 hours per month, whichever is greatest, over the TBO of the engine. No other express warranty and no affirmation of the seller, its agent, employee, or representative, by words or actions shall constitute a warranty, unless specifically included within this written agreement.

THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES AND REPRESENTATIONS, EXPRESS OR IMPLIED OR STATUTORY, WHETHER ORAL OR WRITTEN, INCLUDING BUT NOT LIMITED TO ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE, AND ANY IMPLIED WARRANTY ARISING FROM ANY COURSE OR PERFORMANCE OR DEALING OR TRADE USAGE. THIS WARRANTY IS ALSO IN LIEU OF ANY OTHER OBLIGATION, LIABILITY, RIGHT OR CLAIM, WHETHER IN CONTRACT OR IN TORT, INCLUDING ANY RIGHT IN STRICT LIABILITY IN TORT OR ANY RIGHT ARISING FROM NEGLIGENCE ON THE PART OF T.W. SMITH ENGINE CO., INC. AND T.W. SMITH CO., INC.'S LIABILITY ON SUCH CLAIM SHALL IN NO CASE EXCEED THE PRICE ALLOCABLE TO THE ENGINE OR PART WHICH GIVES RISE TO THE CLAIM.

LIMITATION OF LIABILITY

IN NO EVENT, WHETHER AS A RESULT OF A BREACH OF WARRANTY, CONTRACT OR ALLEGED NEGLIGENCE, SHALL T.W. SMITH ENGINE CO., INC. BE LIABLE FOR SPECIAL OR CONSEQUENTIAL OR OTHER DAMAGES, INCLUDING BUT NOT LIMITED TO LOSS OR PROFITS OR REVENUES, LOSS OF USE OF THE ENGINE OR COST OF A REPLACEMENT, DAMAGES AND PERSONAL INJURIES OR ANY OTHER COST INCURRED SAVE AND EXCEPT THOSE EXPRESSLY IN WRITING AGREED TO BY T.W. SMITH ENGINE CO., INC.

This warranty setting forth T.W. Smith Engine Company's obligations shall not be varied in any way unless such variance is in writing and signed by a duly authorized officer of T.W. Smith Engine Co., Inc. or its duly authorized representative.

TWS

T.W. SMITH ENGINE CO.

TWS

3/1/87

T. W. SMITH ENGINE CO., INC.

HANGAR #1

LUNKEN AIRPORT

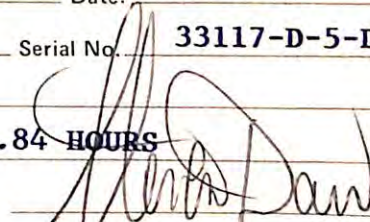
CINCINNATI, OHIO 45226

MAINTENANCE RELEASE

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service.

Pertinent details of the repair are on file at this agency.

CERT. No. 1045

Work Order No. E2497Date: 8-18-89Model: 0-300-DSerial No. 33117-D-5-DDate Re-built 8-9-89Total Accumulated Time 3634.84 HOURSSigned: 

The above listed component has been inspected, re-built and test run as prescribed by manufacturer's specifications. All steel parts magnafluxed and non-ferric parts zyglod. No further run-in of the installation is required. List of manufacturer's bulletin and AD Notes complied with, recorded in back of logbook.