

PROPELLER MAINTENANCE RECORD

Position: _____

PITCH RANGE

Propeller Model: HC-C24K-1BF

High/Feather: 33.2

Propeller S/N: CH 2318

Start Lock: _____

Blade Design: F8477-2

Low: 12-0

Blade S/N's: _____

Reverse: _____

No. 1 C 56183

No. 2 C 70797

Aircraft Manufacturer _____

No. 3 _____

Aircraft Model _____

No. 4 _____

S/N: _____

No. 5 _____

Registration: _____

No. 6 _____

Sinner Assembly Part No. _____

Equipment at all times. When
Record shall be maintained con-
Service Records.

3. Form Tracking Number:	
19063	
4. Work Order/Contract/Service Number:	
WO#19063	
5. Item Number:	12. Status/Work:
	OVERHAULED
6. Other regulation specified in Block 13	
The work identified in Block 12 is in accordance with Title 14, Code of Federal Regulations, Part 25, Subpart E, the items are approved for	
21. Approval/Certificate No.:	DTXR341D
22. Date (m/d/yy):	JUL/28/2008

[illegible]

This remanufactured engine installed in N 5566J
in ~~left-right~~ position with new harness, remanufactured
mags, starter, generator *alternator* amps, *New a/c* fuel pump,
~~vacuum pump, hydraulic pump, tach generator,~~ carbu-
retor, ~~fuel injection,~~ governor, and *Remfd.* propellor.

Repair order B6588 Tach 798.0 Date 10/23/74 By *[Signature]*

T. W. SMITH AIRCRAFT, INC.
BLUE ASH AIRPORT CINCINNATI, OHIO 45242
F.A.A. REPAIR STATION 1045

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REMANUFACTURED BY
T. W. SMITH

remanufactured engines and ac-
normal use and service, for "100"
the following conditions.
or to authorize for repair or
workmanship, and further provided
used on a minimum of 28.
otherwise specified.

ts or accessories required, and
turned to T. W. Smith Aircraft,
overtime basis, and providing
that the cost of all charges

or allowance will exist after
36 months, based on equal
No other express warranty
ds or actions, shall constitute

1969

TWS

ENGINE RECORD - GENERAL INFORMATION

MANUFACTURE

SERIAL

THIS ENGINE

MINIMUM OCT

MAGNETO TIM

SPARK PLUG C

MFG. RECOMM

T. W. SMITH AIRCRAFT, Inc.

4490 COOPER ROAD BLUE ASH AIRPORT CINCINNATI, OHIO 45242

MAINTENANCE RELEASE

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

Pertinent details of the repair are on file at this agency. **CERT. No. 1045**

Work Order No. B6588 Date: 10/23/74

Model Lyc.O-540-E4C5 Serial No. 1-10968-40

Date Remanufactured 10/21/74

Total Accumulated Time 1800

Signed: [Signature]

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

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REMANUFACTURED BY
T. W. SMITH

remanufactured engines and ac-
normal use and service, for "100
the following conditions.
or to authorize for repair or
workmanship, and further provided
used on a minimum of 28.
otherwise specified.

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overtime basis, and providing
that the cost of all charges

or allowance will exist after
36 months, based on equal
No other express warranty
ds or actions, shall constitute

1969

TWS

ENGINE RECORD — GENERAL INFORMATION

MANUFACTURE

SERIAL

THIS ENGINE

MINIMUM OIL

MAGNETO TIM

SPARK PLUG C

MFG. RECOMM

T. W. SMITH AIRCRAFT, Inc.

4490 COOPER ROAD BLUE ASH AIRPORT CINCINNATI, OHIO 45242

MAINTENANCE RELEASE

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

Pertinent details of the repair are on file at this agency. **CERT. No. 1045**

Work Order No. B6588 Date: 10/23/74

Model Lyc. O-540-E4C5 Serial No. L-10968-40

Date Remanufactured 10/21/74

Total Accumulated Time 1800

Signed: [Signature]

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

OG

INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
PERFORMED WITH NAME, RATING AND CERTIFICATE NUMBER OF
TECHNICIAN. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

SHELL 15-50 MULTIGRADE

CLEANED

CHANGED CH 48110

Engine and Propeller have been inspected in
accordance with the requirements of the FAA and was found airworthy. Tag 40343 Total Time

13 TT Eng 3/63/91 TT Prop 0000

91 Time Since Prop owl 34.75

Wadonville, Ohio 43082

2013

LYCOMING O-540-E4C5 S/N: L-10968-40 TTIS: 3163.91 A/C TACH: 404.74 AUGUST 12, 2020

- 1) REMOVED UPPER SPARK PLUGS, PERFORMED BORESCOPE INSPECTION OF INTERNAL CYLINDERS, PISTONS, AND VALVES. NO DEFECTS NOTED.
- 2) PERFORMED COLD COMPRESSION CHECKS: 1)71/80 2)72/80 3)69/80 4)78/80 5)75/80 6)72/80
- 3) CLEANED, INSPECTED, GAPPED, AND INSTALLED 12 EA. SERVICEABLE REM 40 CHAMPION SPARK PLUGS. TORQUED TO 35 FT.LBS.
- 4) REMOVED SCAT HOSES, AS REQUIRED: CLEANED, INSPECTED, AND REINSTALLED.
- 5) REMOVED MUFFLER HEAT SHIELD, VISUALLY INSPECTED OUTER SKIN. INSPECTED INTERNAL BAFFLE USING BORESCOPE. NO DEFECTS NOTED. REINSTALLED HEAT SHIELD.
- 6) INSTALLED NEW AIR FILTER (P/N BA-3).
- 7) PERFORMED ENGINE RUN. DRAINED OIL, REMOVED OIL FILTER AND INLET STRAINER. CUT OPEN FILTER: NO CONCERNING METAL OR DEBRIS FOUND. STRAINER AND NEW FILTER INSTALLED. SERVICED ENGINE WITH 12 QUARTS AEROSHELL 15W-50 WEIGHT OIL.
- 8) PERFORMED FUEL AND OIL LEAK CHECKS: NO LEAKS NOTED. MAG CHECKS WITHIN LIMITS. CYCLED PROPELLER SEVERAL TIMES; NO EXPELLED GREASE NOTED.
- 9) PERFORMED HOT COMPRESSION CHECKS: 1)78/80 2)79 /80 3)78/80 4)78/80 5)78/80 6)75/80
- 10) REMOVED, DISASSEMBLED, CLEANED, LUBRICATED, REASSEMBLED AND REINSTALLED L/H MAGNETO. VERIFIED CRANKSHANK TO MAGNETO TIMING.
- 11) REMOVED, DISASSEMBLED, CLEANED, LUBRICATED, REASSEMBLED AND REINSTALLED R/H MAGNETO. VERIFIED CRANKSHANK TO MAGNETO TIMING.
- 12) PERFORMED MAGNETO TIMING CHECK: BOTH MAGS SET TO 25° BTDC.
- 13) PERFORMED ENGINE RUN AT 2000 RPM: CYCLED FUEL SELECTOR USING FUEL FROM ALL 4 TANKS. FUEL SELECTOR AND TRANSFER SYSTEM VERIFIED BY OPERATIONAL AND CORRECT. ALL ENGINE PARAMETERS WITHIN LIMITS PER POH. NO FUEL OR OIL LEAKS NOTED.

SEE SEPARATE AD LIST FOR CURRENT COMPLIANCES. FAA BI-WEEKLY 2020-16 IN EFFECT.

ASSISTED BY:

WILLIAM C. DETWEILER OWNER

CERTIFIED BY:

JOHNNIE B. SMITH

I CERTIFY THIS ENGINE HAS BEEN INSPECTED PER A 100 HOUR INSPECTION AND IS
APPROVED FOR RETURN-TO-SERVICE. JOHNNIE B. SMITH A/C

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
			①	OIL CHANGE SHELL 15-50 MULT GRADE
			②	SPARK PLUGS CLEANED
			③	OIL FILTER CHANGED CH 48110
				This is to certify that this Aircraft and Powerplant and Propeller have been inspected in accordance with a annual inspection and was found airworthy. Tag <u>40343</u> Total Time Aircraft <u>3163.91</u> Ad Check <u>13-13</u> TT Eng <u>3163.91</u> TT Prop <u>UNK</u> Time since eng owl <u>1365.91</u> Time Since Prop owl <u>34.75</u> Franklin C. Wilson IA 1589043 Irondale, Ohio 43932
				18 JUL 2013

- 1) REMOVED UPPER SPARK PLUGS, PERFORMED PISTONS, AND VALVES. NO DEFECTS NOTED.
 - 2) PERFORMED COLD COMPRESSION CHECK.
 - 3) CLEANED, INSPECTED, GAPPED, AND INSTALLED. TORQUED TO 35 FT/LBS.
 - 4) REMOVED SCAT HOSES, AS REQUIRED.
 - 5) REMOVED MUFFLER HEAT SHIELD, VISUALLY INSPECTED. BORESCOPE. NO DEFECTS NOTED. REINSTALLED.
 - 6) INSTALLED NEW AIR FILTER (P/N BA-3).
 - 7) PERFORMED ENGINE RUN. DRAINED OIL. NO DEFECTS. CONCERNING METAL OR DEBRIS FOUND. ADDED 5 QUARTS AEROSHELL 15W-50 WEIGHT OIL.
 - 8) PERFORMED FUEL AND OIL LEAK CHECK. NO LEAKS. PROPELLER SEVERAL TIMES; NO EXPELLER DAMAGE.
 - 9) PERFORMED HOT COMPRESSION CHECK.
 - 10) REMOVED, DISASSEMBLED, CLEANED, LUBRICATED. VERIFIED CRANKSHANK TO MAGNETO TIMING.
 - 11) REMOVED, DISASSEMBLED, CLEANED, LUBRICATED. VERIFIED CRANKSHANK TO MAGNETO TIMING.
 - 12) PERFORMED MAGNETO TIMING CHECK.
 - 13) PERFORMED ENGINE RUN AT 2000 RPM. NO DEFECTS. SELECTOR AND TRANSFER SYSTEM VERIFIED. OPERATES WITHIN LIMITS PER POH. NO FUEL OR OIL LEAKS.
- SEE SEPARATE AD LIST FOR CURRENT COMPLIANCE.

ASSISTED BY:

WILLIAM C. DETWEILER OWNER

I CERTIFY THIS ENGINE HAS BEEN INSPECTED AND
APPROVED FOR RETURN-TO-SERVICE

-40 Reg:
361.88
k plugs.
/80, #4
was
Aeroshell
checked.
/W AD not
e each
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d to be

Make: Lycoming Model: O-540-E4C5 Serial #: L-10968-40 Reg: N5566J Date: 08/03/11 Aircraft Tach: 399.40 TSMO:1361.88 Total Time: 3159.88 Cleaned, gapped and rotated all spark plugs. Compressions are as follows #1 76/80, #2 72/80, #3 76/80, #4 77/80, #5 78/80, #6 72/80. Changed oil and filter. Filter was inspected for metal and none was found. Installed 12 qts. Aeroshell 15w50 oil and a CH48110-1 All sumps and screens were checked. Check timing L25* R25*. Installed new oil cooler p/n20002A as needed leak check good. I certify this engine was inspected in accordance with an annual inspection and was determined to be airworthy for return to service.

ELSE FAILS



UTORS ASSOCIATION

FLA. 33601

AIRCRAFT RECORD — GENERAL INFORMATION

MANUFACTURER PIPER MODEL PA32-260 SERIAL 32-994

REGISTRATION NUMBER N 5566 J DATE MFG. _____

ENGINE(S) CURRENTLY INSTALLED.

MFG LYC MODEL O-540-E4CB SERIAL L-10968-40

MFG _____ MODEL _____ SERIAL _____

PROPELLER(S) CURRENTLY INSTALLED.

MFG HARTZELL MODEL HC-C2YK-1

HUB MODEL _____ SERIAL CH4304 SERIAL _____

BLADE MODEL LEFT SERIAL B-21637 SERIAL _____ SERIAL _____

BLADE MODEL RT SERIAL B-21667 SERIAL _____ SERIAL _____

The Standard



AIRCRAFT LOG

A. n. Mechanism Enr. Act

[illegible][illegible]

	ADD Algebraically
Altimeter Reads	Room Temp.
0	+10
1000	+20
2000	+10
3000	+20
4000	+20
6000	+40
8000	+60
10000	+70
12000	+80
14000	+80
16000	+80

The altimeter test was performed with the altimeter an integral part of the aircraft static system.

BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

THE FOLLOWING TESTS AND INSPECTIONS HAVE BEEN PERFORMED: THE
TRANSPONDER TESTS REQUIRED BY FAR 91.413 I.A.W. APPENDIX F OF PART 43.

[illegible]

OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF
FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

163.91 TACH: 404.74 AUGUST 12, 2020

WHEEL ASSEMBLIES, DISASSEMBLED, INSPECTED
ALL WHEEL BEARING WITH MOBIL GREASE.
AND CALIPERS: REASSEMBLED INSTALLING 3 EA.
ALL WHEEL ASSEMBLIES. SERVICED TIRES WITH

SEATS AND FLOORS.

D, INSPECTED, CLEANED, CARB. FINGER STRAINER
BOWL. NO CONCERNABLE DEBRIS FOUND.
L TANKS WITH FRESH 100LL.

AL SYSTEM AND MASTER AVIONICS; ALL INDICATIONS

ED INTERNAL AREAS AS REQUIRED.

RUTS AT PROPER EXTENSION.

KS, AND CONTROLS. NO DEFECTS NOTED.

.) MOUNT BOLTS TO 40 INLBS.

EA. NEW O-RINGS (P/N MS29513-012). REINSTALLED

G SPAR BOX.

(P/N BP-1010) PER INTENT OF MERL, INC

121.5; NO DEFECTS NOTED. NEXT INSPECTION DUE:

CONTINUED ON NEXT PAGE

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
19__				

- 13) REINSTALLED ALL ACCESS PANELS, MID-SEATS AND FLOORS.
- 14) PERFORMED TAXIING AND HIGH SPEED RUN. TESTED BRAKES USING TOE PEDALS AND PARKING BRAKE HANDLE. NO DEFECTS NOTED. TOPPED-OFF RESERVIOR USING MIL-H-5606 HYDRAULIC FLUID. NO LEAKS NOTED.
- 15) VERIFIED MAGNETIC COMPASS OPERATION DURING TAXIING AND TURNS. COMPASS HEADINGS WITHIN 5° OF RUNWAY HEADINGS.
- 16) VERIFIED NAVIGATIONAL EQUIPMENT FUNCTIONING; ALL NORMAL, NO DEFECTS NOTED.
- 17) VERIFIED AIRSPEED INDICATOR OPERATION DURING HIGH SPEED TAXIING; POSITIVE INDICATION TO 40 KTS.

SEE SEPARATE AD LIST FOR CURRENT COMPLIANCES. FAA BI-WEEKLY 2020-16 IN EFFECT.

WILLIAM

JOHNNIE B. SMITH AP214769163

CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED PER AN ANNUAL INSPECTION AND WAS
DETERMINED TO BE IN AN AIRWORTHY CONDITION. *Johnnie B. Smith* JOHNNIE B. SMITH AP

1.406(b): THIS AIRCRAFT REQUIRES A RETURN-TO-
OPERATION OF AVIONICS AND FLIGHT CONTROLS. FLIGHT PERFORMED BY:

PILOT:

CERTIFICATION:

DATE:

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
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N5566J PIPER PA32-260 S/N: 32-994 TTIS: 3163.91 TACH: 404.74 AUGUST 12, 2020

- 1) REMOVED LANDING GEAR FAIRINGS AND ALL 3 M/L/G WHEEL ASSEMBLIES, DISASSEMBLED, INSPECTED RIMS, REMOVED, CLEANED, INSPECTED, LUBRICATED ALL WHEEL BEARING WITH MOBIL GREASE.
- 2) REMOVED, CLEANED, INSPECTED BRAKE DISCS, PADS, AND CALIPERS: REASSEMBLED INSTALLING 3 EA. NEW 6.00X6 AIR HAWK TIRES AND TUBES AND REINSTALLED WHEEL ASSEMBLIES. SERVICED TIRES WITH NITROGEN TO 30 PSI.
- 3) REMOVED ENGINE COWLINGS, ACCESS PANELS, MID-SEATS AND FLOORS.
- 4) DRAINED OLD AVGAS FROM ALL FUEL TANKS. REMOVED, INSPECTED, CLEANED, CARB. FINGER STRAINER AND ELECTRIC PUMP STRAINER. DRAINED CARB. FUEL BOWL. NO CONCERNABLE DEBRIS FOUND. REINSTALLED ALL STRAINERS AND PLUG. SERVICED ALL TANKS WITH FRESH 100LL.
- 5) INSTALLED NEW GILL BATTERY. ENERGIZED ELECTRICAL SYSTEM AND MASTER AVIONICS; ALL INDICATIONS NORMAL.
- 6) PRESSURE WASHED ALL EXTERIOR SURFACES. CLEANED INTERNAL AREAS AS REQUIRED.
- 7) SERVICED ALL M/L/G STRUTS WITH NITROGEN; ALL STRUTS AT PROPER EXTENSION.
- 8) INSPECTED ALL FLIGHT CONTROL CABLES, BELLCRANKS, AND CONTROLS. NO DEFECTS NOTED. LUBRICATED AS REQUIRED.
- 9) TORQUED L/H AND R/H HORIZONTAL STABILIZER (12 EA.) MOUNT BOLTS TO 40 INLBS.
- 10) REMOVED FUEL PRIMER ASSEMBLY AND INSTALLED 2 EA. NEW O-RINGS (P/N MS29513-012). REINSTALLED AND TESTED. NO DEFECTS NOTED.
- 11) INSTALLED 6 EA. MISSING AN4 BOLTS AND NUTS IN WING SPAR BOX.
- 12) CFR 91.207(d): REMOVED AND REPLACED ELT BATTERY (P/N BP-1010) PER INTENT OF MERL, INC INSTRUCTIONS. BATTERY EXPIRATION 6/22. TESTED ON 121.5; NO DEFECTS NOTED. NEXT INSPECTION DUE: 8/31/2020.

CONTINUED ON NEXT PAGE

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	ENTRIES MECH
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- 13) REINSTALLED ALL ACCESS PANELS, MID-SEATS AND FLOORS.
- 14) PERFORMED TAXIING AND HIGH SPEED HANDLING. NO DEFECTS NOTED. TOPPED OFF.
- 15) VERIFIED MAGNETIC COMPASS OPERATING. RUNWAY HEADINGS.
- 16) VERIFIED NAVIGATIONAL EQUIPMENT FUNCTIONING.
- 17) VERIFIED AIRSPEED INDICATOR OPERATING.

SEE SEPARATE AD LIST FOR CURRENT COMPLIANCE

ASSISTED BY:

WILLIAM C. DETWEILER OWNER

CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED AND DETERMINED TO BE IN AN AIRWORTHY CONDITION.

1.406(b): THIS AIRCRAFT REQUIRES A PILOT'S CHECKLIST FOR OPERATION OF AVIONICS AND FLIGHT CONTROLS.

PILOT:

CTIONS, TESTS, REPAIRS AND ALTERATIONS
TH NAME, RATING AND CERTIFICATE NUMBER OF
(SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

4.03

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
		①	ELT	TEST PER 91 207 PAR D BAT DUE OCT 15
		②	INSTALLED	NEW A/C BATTERY S# 40602795
		③	AD 13 02 13	CW CABLES NORMAL
		④	AD 10 15 10	CW EDGE DISTANCE NORMAL
		⑤	AD 77 12 01	CW FUEL DRAENS NORMAL
		⑥	AD 78 23 01	CW FUEL DRAEN NORMAL
		⑦	AD 95 26 13	CW HOSES NORMAL
		⑧	AD 75 10 03	CW BAGGAGE DOOR NORMAL
		⑨	AD 75 24 02	CW SEATS NORMAL
		⑩	BRACKET	DOCUMENT 1-194 CW
This is to certify that this Aircraft and Powerplant and Propeller have been inspected in accordance with a annual inspection and was found airworthy. Tag 403.43 Total Time Aircraft 3/62.91 Ad Check 13 13 TT Eng 3/13.91 TT Prop 0.00 Time since eng cwl 1365.91 Time Since Prop cwl 34.75 Franklin C. Wilson IA 1589043 Irondale, Ohio 43932				

