

#1

ENGINE LOG

Bellanca Model 17-31A

Ser. No. 75-32-146

Reg. No. N4205B

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Aero Products Corporation

St. Louis

1963

Hartzell Propeller Model # HC-C3YR-1RF

Hub Ser. No. DY261

Blades - C6201

C54561

C54914

ENGINE DATA

(THIS PAGE MUST BE FILLED OUT COMPLETELY)

MANUFACTURER Lycoming MODEL IO-540-K1E5 SERIAL NO. L-11896-48

DISPLACEMENT

OIL PRESSURE

OIL TEMP. MAX.

WEIGHT

RATED H. P.

AT

R.P.M.

OIL GRADE: SUMMER

WINTER

OIL CAPACITY

FUEL MINIMUM OCTANE

FIRING ORDER

MAGNETO TIMING

MAGNETO POINT SETTING

SPARK PLUG GAP

ENGINE LOG

[illegible]

CARRY TOTAL TIME TO TOP OF NEXT PAGE

ENGINE LOG

YEAR 74

MO. DAY

DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATIONS

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

I have inspected this aircraft and issued a

Certificate of Airworthiness, Form FAA-8100-2

dated 10-3-74

Maurice J. Maltz

Signature

DMIR NO. CL-67

Dec 10 Oil & oil filter changed. Serviced with
12 qts. Aeroshell 80W. RTHL 1215347
turb time 62.25 hours.

ENGINE LOG

YEAR		RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
MO.	DAY					
7	11	75	TACH 229.5			
					DRAINED OIL AND CHANGED FILTER. SERVICED WITH 12 QTS OF A/S 50WT. W. WASHED DOWN AND RAN-UP. ENGINE CHECKED OK!	
						ROY H. PERKINS A/P 1942189
8	11	75	TACH 271.19		CHANGED OIL & FILTER	
					SERVICED WITH 11 QTS A/S 50WT.	
					WASHED ENL. RUNUP NORMAL	
						OP Myers
						1653150

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	
		<p>This Aircraft engine has been inspected in accordance with an <u>annual</u> inspection and found to be airworthy at this time.</p> <p>Total time in service <u>339</u> tach <u>339</u> hrs,</p> <p>Date <u>7 Oct 75</u></p> <p style="text-align: right;"><u>Billy B Kroon</u></p> <p style="text-align: right;">Cert. # <u>A/B 1430994 FA</u></p> <p style="text-align: right;">Rohrbach Aviation,</p> <p><u>A/D 75-08-09 must be C/w with in the next</u> <u>50 hrs, oil pump drive,</u></p>

ENGINE LOG

YEAR		RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
MO.	DAY					
10	21	75	Eng. Time: 340		Complied with Lycoming S.B. #385C, oil pump drive, (A.D. 75-8-9).	
			End			
					The aircraft power plant and/or component identified above was repaired and inspected in accordance with current Civil Air Regulations and was found airworthy for return to service.	
					Pertinent details of the repair are on file at this agency under work order No. <u>A-2609</u>	
					Date <u>10-21-75</u>	
					Signed <u>Donald W. Pount</u> for	
					AVCO LYCOMING DIV. AVCO CORP.	
					MANUFACTURER'S MAINTENANCE FACILITY #MMF-110-6	
					WILLIAMSPORT-LYCOMING COUNTY AIRPORT	
					MONTOURSVILLE, PENNSYLVANIA 17754	

CARRY TOTAL TIME TO TOP OF NEXT PAGE

ENGINE LOG

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ENGINE LOG

YEAR		RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
MO.	DAY					
DATE: 5-14-76		TACH: 451.86	100-HR INSPECTION COMPLETED THIS DATE AS PER BEUNGA			
A/C & ENG. INSPECTION REPORT.		CHANGED OIL WITH ^(12QT) AEROSHELL 50W AND OF-11A				
OIL FILTER ELEMENT.		COMPRESSION TEST OK. CLEANED, GAPPED & TESTED				
SPARK PLUGS.		INSPECT MAGNETS, IGN. HARNESS & CHECK ENG. TIMING. VISUALLY				
INSPECT ENG, INDUCTION AIR FILTER, & ALL ACCESSORIES.		REPLACED HEATER				
DUCT AHEAD OF FIREWALL FOR REAR SEAT PASSENGERS.		AD 76-07-12				
BENDIX IGN. SW. C/W BY INSPECTION & TEST.		FURTHER DETAILS ON FILE THIS REPAIR				
STATION UNDER W.O. # 4002.						
<div style="border: 2px solid red; padding: 5px;"> <p>Apelle Airways, Inc.</p> <p>F.A.A. Approved repair station</p> <p>#417-30 [Class 1 & 3 Airframe Rating Class 1 Powerplant Rating</p> <p>Santa Barbara Airport</p> <p>404 Moffatt Road</p> <p>Goleta, California 93017</p> </div>						
		<p><i> Dale E. Johnson</i></p> <p>105 417-30</p>				

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	
6-11-76		TACH 473 CHANGED OIL AEROSHELL W100. CHECKED COMPRESSION. <i>Stephen F. Munn</i> A&P 1621713
		TACH 476
7-2-76		Removed Propeller and sent to New England Propeller shop for repair. Propeller re-in- stalled on aircraft ground run a/c. Propeller w/o #0237 <i>J.P. Sullivan</i> A&P 1475525

ENGINE LOG

YEAR		RECORDING	TIME	TOTAL	REMARKS	SIGNATURE
MO.	DAY	TACH. READING	THIS FLIGHT	TIME		
11-3-76		502	CHANGED OIL	AEROSHELL W65 - REPLACED		
			FILTER ELEMENT - DRESSED	PROP BLADES - WASHED		
			ENGINE.			
Tachometer <u>502</u> ... Total Time <u>502</u> ... I certify that					SPARROWHAWK AVIATION INC.	
this (aircraft) (engine) has been inspected in accordance					Stewart Airmotive Division	
with a ANNUAL (100 HOUR) inspection and was deter-					Box 6056, Stewart Airport	
mined to be in airworthy condition.					Newburgh, New York 12550	
Dated <u>11/3/76</u> ... W.O.# <u>0672</u>					914-564-7071	
Signed <u>[Signature]</u>						
<u>IA 1621713</u>						

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ENGINE LOG

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ENGINE LOG

YEAR 77		RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
MO.	DAY					
MARCH	25, 1977	TACH: 563.5	#1 80/78 #2 80/78 #3 80/78 #4 80/78 #5 80/80 #6 80/78			
CHANGED OIL, AEROSHELL W100, REPLACED FILTER ELEMENT						
Tachometer 563.5		Total Time 563.5		I certify that		
this (engine) has been inspected in accordance				SPARROWHAWK AVIATION INC.,		
with a 100 HOUR inspection and was determined to be in airworthy condition.				Stewart Airmotive Division		
Dated 3-25-77 WO# 0746				Box 6056, Stewart Airport		
Signed A.C. Conson 74 P1837707				Newburgh, New York 12550		
				914-564-7071		

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	
APRIL	7, 1977	TACH: 587 CHANGED OIL, AEROSHELL W/100, REPLACED OIL FILTER ELEMENT, REPLACED INDUCTION AIR FILTER, CLEANED & CHECKED SPARK PLUGS, CHECKED MAG TIMING, CLEANED FUEL SCREENS, DRESSED & PAINTED PROP BLADES, A. C. Corson A+P 1837707
SEPT.	21, 1977	TACH: 636.6 CHANGED OIL, AEROSHELL W/100, REPLACED OIL FILTER ELEMENT, WASHED ENGINE. A. C. Corson A+P 1837707

ENGINE LOG

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CARRY TOTAL TIME TO TOP OF NEXT PAGE

YEAR	77	
MO.		DAY
12	13	7
RED LA		
REPLAC		
SPARROWH		
Stewart A		
Box 6056		
Newburg		
91		
28-78 7		
D.C.		

ENGINE LOG

YEAR 77

MO. DAY

DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATIONS

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

12 13 TACH: 644.42 CHANGED OIL AEROSHELL W/80,
REPLAED FILTER ELEMENT, REPLACED #1 ROCKER GASKET,
REPLACED MIXTURE CONTROL, #1 80/70, #2 80/78, #3 80/78, #4 80/78, #5 80/78, #6 80/78

SPARROWHAWK AVIATION INC.
Stewart Airmotive Division
Box 6056, Stewart Airport
Newburgh, New York 12550
914-564-7071

Tachometer.....644.42 Total Time.....644.42 I certify that
this ~~(aircraft)~~ (engine) has been inspected in accordance
with a ANNUAL (100 HOUR) inspection and was deter-
mined to be in airworthy condition.

Dated..12-13-77..W.O.#.....0964

Signed..D.P. Carson A1837707

2-28-78 TACH: 668.5 RECHECKED #1 CYLINDER, 80/76 O.K. OIL SAMPLE.
D.P. Carson A1837707

ENGINE LOG

[illegible]

CARRY TOTAL TIME TO TOP OF NEXT PAGE

ENGINE LOG

YEAR 78

DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATIONS

MO. DAY

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

8 10

changed oil - serviced w/ Aeroshell 50w100 AD,
12 qts. Replaced four Rocker Drain Tube hoses.
WASHED down engine.

TACH - 760.79 hrs.

J. Bettens AP1646686

ENGINE LOG

[illegible]

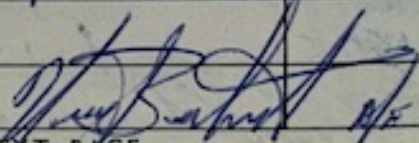
CARRY TOTAL TIME TO TOP OF NEXT PAGE

ENGINE LOG

YEAR <u>79</u>		DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATIONS Certificated mechanics or repair facilities must endorse all inspections and repairs with name, rating & Cert. No.
MO.	DAY	
1		<p>TT0800.96 Oil & Filter Changed Installed 12qt 40AD Aeroshell</p> <p>Removed Old Fuel Pump SN 127326 Installed New Fuel Pump SN# SA510</p> <p>Operational Test, Installed All New Spark Plugs At This Time, Replaced Exhaust Shock Mounts, Compression Check #1 $\frac{72}{80}$ #2 $\frac{72}{80}$ #3 $\frac{74}{80}$ #4 $\frac{74}{80}$ #5 $\frac{74}{80}$ #6 $\frac{74}{80}$</p> <p>Date <u>8/15/79</u> Total Aircraft time <u>0800.96</u></p> <p>Make & Model <u>Bellanca X 17-31A N 4205B</u></p> <p>I certify this <u>Engine</u> has been inspected in accordance with a <u>Annual</u> inspection and found to be in <u>airworthy</u> condition.</p> <p>Detailed information of this inspection are on file at the above mentioned repair station, under work order # <u>1505</u> Date <u>8-15-79</u></p> <p>Chief Inspector <u>[Signature]</u></p>

Minute Man Airways, Inc.
 Radar Ave. at the Flight Line
 Harrisburg International Airport
 Middletown, Penna. 17057
 Repair Station #110-14

ENGINE LOG

YEAR		RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
MO.	DAY					
3	31	835.6			Breim oil system and Replenished with 12 quarts 50 W A.D. Acrosbell. Deno Chandeliers AP64508263. ———	
6	4	878.3			Vac pump failure Remove EDO Aire Dryvac pump # 1U128 ser H976. Install Airborne Dry Vac pump. # 211CC Ser IE 1855. A/c Run up and Returned To service	
					 M/F 139424736.	

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CARRY TOTAL TIME TO TOP OF NEXT PAGE

ENGINE LOG

YEAR <u>79</u>		DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATIONS Certificated mechanics or repair facilities must endorse all inspections and repairs with name, rating & Cert. No.
MO.	DAY	
8	30	T 0929.48 Compression Check #1 $\frac{76}{80}$ #2 $\frac{76}{80}$ #3 $\frac{76}{80}$ #4 $\frac{76}{80}$ #5 $\frac{74}{80}$ #6 $\frac{74}{80}$, Drained Oil, Replaced Oil Filter, Installed 12 qts 50AD AeroShell, C/w AD76-2303 Exhaust System Inspection,

Date 8/30/79 Total Aircraft time 0929.48

Make & Model Bellanca X 17-31A N 4205B

I certify this Engine has been inspected
in accordance with a 100 hr inspection and
found to be in airworthy / ~~unairworthy~~ condition.

Detailed information of this inspection are on file
at the above mentioned repair station, under
work order # 1597 Dated 8/30/79

Chief Inspector [Signature]

Minute Man Airways, Inc.
Radar Ave. at the Flight Line
Harrisburg International Airport
Middletown, Penna. 17057
Repair Station #110-14

Note Prop overhaul entry in Airframe Log
AD 77-12-06 A.1.1 du Pont 1498862APP

ENGINE LOG

YEAR <u>80</u>		RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
MO.	DAY					
<u>2</u>	<u>4</u>	<u>0946.51</u>			Compression Check #1 <u>72/80</u> #2 <u>76/80</u> #3 <u>74/80</u> #4 <u>76/80</u> #5 <u>75/80</u> #6 <u>74/80</u> Change Oil, Oil Filter, Clean Sump Screen, Service With 124ts 40AD Aeroshell, CWAD 76-23-03 Exhaust System Inspection	
Date <u>2/4/80</u>		Total Aircraft time <u>0946.51</u>				
Make & Model <u>Bellanca X 1731A</u>		N <u>4205B</u>				
I certify this <u>Engine</u> has been inspected				Minute Man Airways, Inc. Radar Ave. at the Flight Line Harrisburg International Airport Middletown, Penna. 17057 Repair Station #110-14		
in accordance with a <u>Annual</u> inspection and						
found to be in airworthiness / <u>and</u> airworthy condition.						
Detailed information of this inspection are on file						
at the above mentioned repair station, under						
work order # <u>1786</u>		Dated <u>2/4/80</u>				
Chief Inspector <u>[Signature]</u>						

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	
		3-25-81 - ANNUAL INSPECTION AS PER FAZ 43 - COMPRESSION OK #1 71/80 #2 73/80 #3 76/80 #4 73/80 #5 78/80 #6 72/80 - CHANGED OIL AND FILTER (SHELL 60 W) - CLEANED AND GAPPED SPARK PLUGS - CHECKED MASS AND TIMING - REMOVED MASS FOR INSPECTION OF IMPULSES AS PER BEND AD 78-09-07-22 - (FOUND OK) - INJECTOR SERVO SENT TO MATTING FOR C/W AD 81-03-05. (52719) CLEANED FUEL AND AIR SCREENS - INSTALLED NEW GASKETS, #3,4,5,6 ROCKER COVERS - ENGINE BROKE DOWN AND REWORKED FOR SERVICE - TIME IN SERVICE 974.96 HRS - P Bayard du Pont APP47382573A NEW GARDEN AVATION INC
		I certify that this ^{ENGINE} FAZ has been inspected in accordance with an ANNUAL inspection and was found to be in airworthy condition. Date 3-25-81 Tach 974 Sig. P Bayard du Pont APP47382573A

ENGINE LOG

YEAR		RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
MO.	DAY					
5	1	#1 $\frac{71}{80}$, #2 $\frac{74}{80}$, #3 $\frac{73}{80}$, #4 $\frac{73}{80}$, #5 $\frac{72}{80}$, #6 $\frac{74}{80}$				
<p>I certify that this <u>engine/propeller</u> has been inspected in accordance with a <u>annual</u> inspection and was determined to be in airworthy condition.</p>						
<p>Tach. time <u>1029</u> hrs. Total time <u>1029</u> hrs. Date <u>5-7-82</u></p>						
<p>Signature <u>Michael S. Pohlman</u></p>						
<p>Michael S. Pohlman A&P #342480101 Insp. Auth.</p>						
5	7				DRAIN OIL AND REPLENISHED WITH 12 QUARTS AEROSHELL 50 AD, CHANGED OIL FILTER AND OIL SCREEN	
					1029 HRS	Charles Austin 1973435

CARRY TOTAL TIME TO TOP OF NEXT PAGE

ENGINE LOG

YEAR 82

DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATIONS

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

MO. DAY

11 28 DRAINED OIL AND REPLENISHED WITH
12 QUARTS AEROSHELL 50 AD, CHANGED
OIL FILTER AND CHECKED SCREEN
TACH. TIME 1078 HRS. Charles ~~Cleary~~ 1973435

1-19-83 Tach. 1092 Removed and replaced with new
units, the voltage regulator and over voltage
relay. Michael S. Pahlman A/P 342480101

ENGINE LOG

YEAR <u>83</u>		RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
MO.	DAY					
<u>7</u>	<u>8</u>	<u>1130-94</u>	<u>#1 74/80 #2 74/80 #3 75/80 #4 74/80 #5 75/80 #6 74/80</u>		<p>Changed oil, oil filter, cleaned pump screen, service with 12 qts 50 AD Aeroshell. Pulled cleaned and gapped plugs, cleaned injector inlet screen, cleaned air filter, cleaned injector nozzles, checked magneto timing, retimed right mag, greased prop, repositioned propeller cable housing and adjusted take off RPM, removed exhaust shrouds and inspected entire exhaust system,</p>	
					<p>Monte D. Bryan</p>	
					<p>AIP 292423822</p>	

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	
8-5-83		T.T. & tach. 1130.94 I certify that this engine and propeller were inspected & A/C an annual inspection and were determined to be in airworthy condition. Michael S. Pohlman AP342480101 IA,
7/11/84		Tach time 1177 hrs. Changed oil - received with 11 qts A/C 100W. - Prop overhauled and new blades installed this date. See Propeller log book. Huell E. Shave AP-263509513 IA.

ENGINE LOG

YEAR 84

MO. DAY

DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATIONS

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

9 8

CHANGED OIL & CLEANED SCREEN. CHECKED
MAGS & PLUGS. CHECKED EXH SYSTEM -

LENG

Verify that this aircraft has been inspected

in accordance with ANNUAL inspection and
determined to be in airworthy condition

Date 9-8-84

total time 1183-84

ech. time 1183-84

Walter E. Blanchard

Walter E. Blanchard

2 E 6260-AD U

AIRWORTHINESS DIRECTIVES

A.D. NO.	METHOD OF COMPLIANCE	DATE	SIGNATURE OF CERTIFICATED MECHANIC OR REPAIR FACILITY
76-07-12	INSPECTION & FUNCTIONAL TEST	—	—
—	BENDIX IGN. SWITCH	5-14-76	Nabe S. Johnson ARS 417-30
75-08-09	OIL PUMP MOD C/W	10-21-75	@ 340 HRS
75-09-15	FLOW DIVIDER C/W	DATE & TIME UNKNOWN	—
76-07-12	Inspection & Functional Test OK	1/3/79	Arthur J. Kellner
76-23-03	Exhaust System Visual Inspection	1/3/79	Arthur J. Kellner
76-07-12	Bendix Mag Switch Op Check OK	8/30/79	Arthur J. Kellner
76-23-03	Exhaust System Visual Inspection OK	8/30/79	Arthur J. Kellner
81-03-05	Modified by Mattituk	3-25-81	—
78-09-07	CW by inspection at 974 hrs.	3-25-81	due again at 1474 hrs
76-23-03	CW by inspection	5/7/82	Michael S. Pehlman

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#2

OFFICIAL
Engine Log

AVIATION MAINTENANCE FOUNDATION



ENGINE DESCRIPTION

MANUFACTURER

LYCOMING

MODEL

10540-K1E5

SERIAL NUMBER

2-11896-48

DATE OF MANUFACTURE

1975

RATED BHP

300

RPM

2700

MANIFOLD PRESSURE

29.0

FUEL REQUIRED OCTANE/PERFORMANCE

REGISTERED OWNER

STREET & NO.

CITY, STATE, ZIP

REGISTERED OWNER


STREET & NO.

CITY, STATE, ZIP

AIRWORTHINESS DIRECTIVE / FACTORY BULLETIN COMPLIANCE RECORD

[illegible]

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
OCT 13, 85	1195.80	100 HR INSPECTION PERFORMED THIS DATE. CHANGED OIL + OIL FILTER. CHECKED OIL SCREEN + FUEL STRAINER SCREEN. CLEANED + GAPPED PLUGS. CHECKED EXHAUST SYSTEM + VISUAL CHECK OF ENGINE + MOUNTS. REPLACED AIR FILTER. COMPRESSION CHECK OF ENGINE OK. LUBRICATED NECESSARY AXLES ETC. CHECKED ALL ADS. PROF VISUAL INSPECTION. CHECKED WHEEL NOZZLES. Richard P. Schulz A+P# 1287124.
DATE <u>13 OCT 85</u>	TIME IN SERVICE <u>1195.00</u> HRS.	
I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>ANNUAL</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.		
 RICHARD L. WATT A & P 1494861 INSPECTION AUTHORIZED		
OCT 13, 85		13 QTS. PHILLIPS XC-11 - Added.

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
NOV. 20, '76	1200	<p>COMPLETED 105 HR. INSPECTION THIS DATE. CHANGED OIL + OIL FILTER. INSTALLED NEW CHAMP. PLUGS ALL CYLINDERS. CHECKED EXHAUST SYSTEM. AD-76-23-03, AMENDMENT 39-5454, EXHAUST SYSTEM CHECK C/W. VISUAL CHECK OF ENGINE + MOUNTS. REMOVED CYLINDERS NOS 1 + 3 FOR TOP OVERHAUL + REPLACED. REMAINING CYLINDERS COMPRESSION 75-77 LBS. SEE WORK LOGS IN RECORDS. PROD VISUAL INSPECTION.</p> <p>Richard P. Schatz A & P NO. 1287124</p>
DATE	TIME IN SERVICE	HRS.
22 NOV 86	1200	
I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN	ACCORDANCE WITH A	ANNUAL INSPECTION AND
WAS DETERMINED TO BE IN AIRWORTHY CONDITION.		
		<p>Richard L. Watt</p>
		<p>RICHARD L. WATT A & P 1494861</p>
		<p>INSPECTION AUTHORIZED</p>

INSPECTION & MAINTENANCE RECORD

DATE

TOTAL
TIME

INSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

12/13/87 1208.24

COMPLETED 100 HR INSPECTION THIS DATE.
COMPRESSION CHECK OK - ALL CYLINDERS IN 70-76
RANGE. ENGINE VISUAL INSPECTION. CHECKED
EXHAUST SYSTEM. AD-76-23-03, AMENDMENT
39-5454, EXHAUST CHECK C/W. PROP VISUAL
INSPECTION.

Richard P. Schube AT # 1287124

DATE 13 DEC 87

TIME IN SERVICE 1208.24 HRS.

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN

ACCORDANCE WITH A ANNUAL INSPECTION AND IT

WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

Richard L. Watt

RICHARD L. WATT A & P 1494861-291

INSPECTION AUTHORIZED

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
FEB 17, 1988	1210.78	CHANGED OIL AND FILTER. SERVICED WITH 10 qts Aeroshell W 100 AND 2 qts LL-002 ENGINE TREATMENT. RAN ENGINE, CHECKED FOR LEAKS. NONE FOUND. <i>James W. Barden, Jr. AIP 135503740.</i>
3-11-88	1237.1	Changed oil & filter with 10 qts Phillips 2 C And 2 qts LL-002 Engine Treatment & OF51A - LK chide & ops c/c ok Robert Plummer AIP 550783894
4-28-88	1243.2	Cleaned and gapped SPARK PLUGS Replaced Air Filter cleaned with Brakett BA-106 compression as follows <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div>#1 $\frac{76}{80}$</div> <div>#2 $\frac{73}{80}$</div> <div>#3 $\frac{74}{80}$</div> <div>#4 $\frac{76}{80}$</div> <div>#5 $\frac{71}{80}$</div> </div> <p>The aircraft engine was repaired/inspected in accordance with Federal air regulations, 100 hr/annual inspection and was found airworthy for return to service this Date <u>4-28-88</u> Tach. time <u>1243.2</u> Robert C. Plummer A & P 550783894 Signed <u><i>Rob Plu</i></u></p>

INSPECTION & MAINTENANCE RECORD

	DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
20.000 LOOKS	6-21-89	1308.13	<p>Cleaned & gapped spark plugs, changed oil & filter with 12 gts Phillips 66, Compression As Follows</p> <p>#1 $\frac{28}{80}$ #2 $\frac{24}{80}$ #3 $\frac{26}{80}$ #4 $\frac{23}{80}$ #5 $\frac{26}{80}$ #6 $\frac{23}{80}$</p> <p>The aircraft engine was repaired inspected in accordance with Federal air regulations, 100 hr/annual inspection and was found airworthy for return to service this Date <u>6-21-89</u> Tech. time <u>1308.13</u></p> <p>Robert C. Plummer A & P 550783894</p> <p>Signed <u>Robert C. Plummer</u></p>
17.000 follow	8-6-90	1357.6	<p>Cleaned & gapped spark plugs, changed oil & filter with 12 gts Phillips 66, Checked And cleaned fuel system, Replaced Air cleaner element</p> <p>Compression As Follows #1 $\frac{26}{80}$ #2 $\frac{28}{80}$ #3 $\frac{26}{80}$ #4 $\frac{22}{80}$ #5 $\frac{28}{80}$ #6 $\frac{25}{80}$</p> <p>The aircraft engine was repaired inspected in accordance with Federal air regulations, 100 hr/annual inspection and was found airworthy for return to service this Date <u>8-6-90</u> Tech. time <u>1357.6</u></p> <p>Robert C. Plummer A & P 550783894</p> <p>Signed <u>Robert C. Plummer</u></p>

INSPECTION & MAINTENANCE

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
8-7-90	1390.8	Inspected engine for purchase - Replaced Right Magneto P-lead filter, compression as follows #1 $\frac{27}{80}$ #2 $\frac{28}{80}$ #3 $\frac{26}{80}$ #4 $\frac{25}{80}$ #5 $\frac{25}{80}$ #6 $\frac{26}{80}$ - End - Red Plum A.P. 50783894 -
1-22-91	1412.5	REPLACED LEFT MAGNETO, BENDIX PN 10-349370-4, SN A079134FR. Run-up & ops. OK. Banner Park P 457478547
2-12-91	1431.3	CHANGED OIL 9 QT. 20/50 PHILLIPS - CLEANED ENGINE - TIGHTENED CLAMPS R.P. Gisham AP 2014446
6/24/91	1494.0	CHANGED OIL + OIL FILTER WITH 9 QTS 20/50 PHILLIPS X.C. J. M. K. 452350917
10/18/91	1570.3	DRAINED OIL & REPLACED FILTER - NO METAL. COMPRESSION #1 $\frac{74}{80}$ #2 $\frac{76}{80}$ #3 $\frac{70}{80}$ #4 $\frac{75}{80}$ #5 $\frac{78}{80}$ #6 $\frac{74}{80}$. REPLACED EXHAUST BUSHINGS. REPLACED ENG. MOUNTS. REPLACED PISTON RINGS & RECONDITIONED VALVES & SEATS IN #5 cyl. (CONT NEXT PAGE)

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
10/11/91	1570.3	(CONT. FROM PREVIOUS PAGE) REPLACED ALL SPARK PLUGS. REPLACED ALL ROCKER BOX COVER GASKETS. REMOVED & REINSTALLED MIXTURE CONTROL IN FUEL INJECTOR AFTER REPAIR. RUN UP & LEAK CK - OK SERVICED WITH 80M AEROSHELL MINERAL OIL. <i>Sam Yank</i> A:P457478547
10-12-91	1570.3	This engine has been inspected in accordance with a Annual inspection and was determined to be in airworthy condition. <i>Jeff Delaney</i> A:P1577215 IA.
2/11/92	1603.3	REPLACED ALTERNATOR WITH OVERHAULED UNIT. ADJUSTED VOLTAGE REGULATOR. RUN UP & OPS CHECK - OK <i>Sam Yank</i> A:P457478547

compliance i
nt regulatio
to service.
nent details of
Order No.
3701 Tai
Aerote

INSPECTION & MAINTENANCE RECORD

INSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

DATE

TOTAL
TIME

3-27

1610

Changed oil + filter. Serviced with 20W50 Phillips. Cleaned
oil press relief valve. leak ck ok. Donny P. Bump AIP 46421972

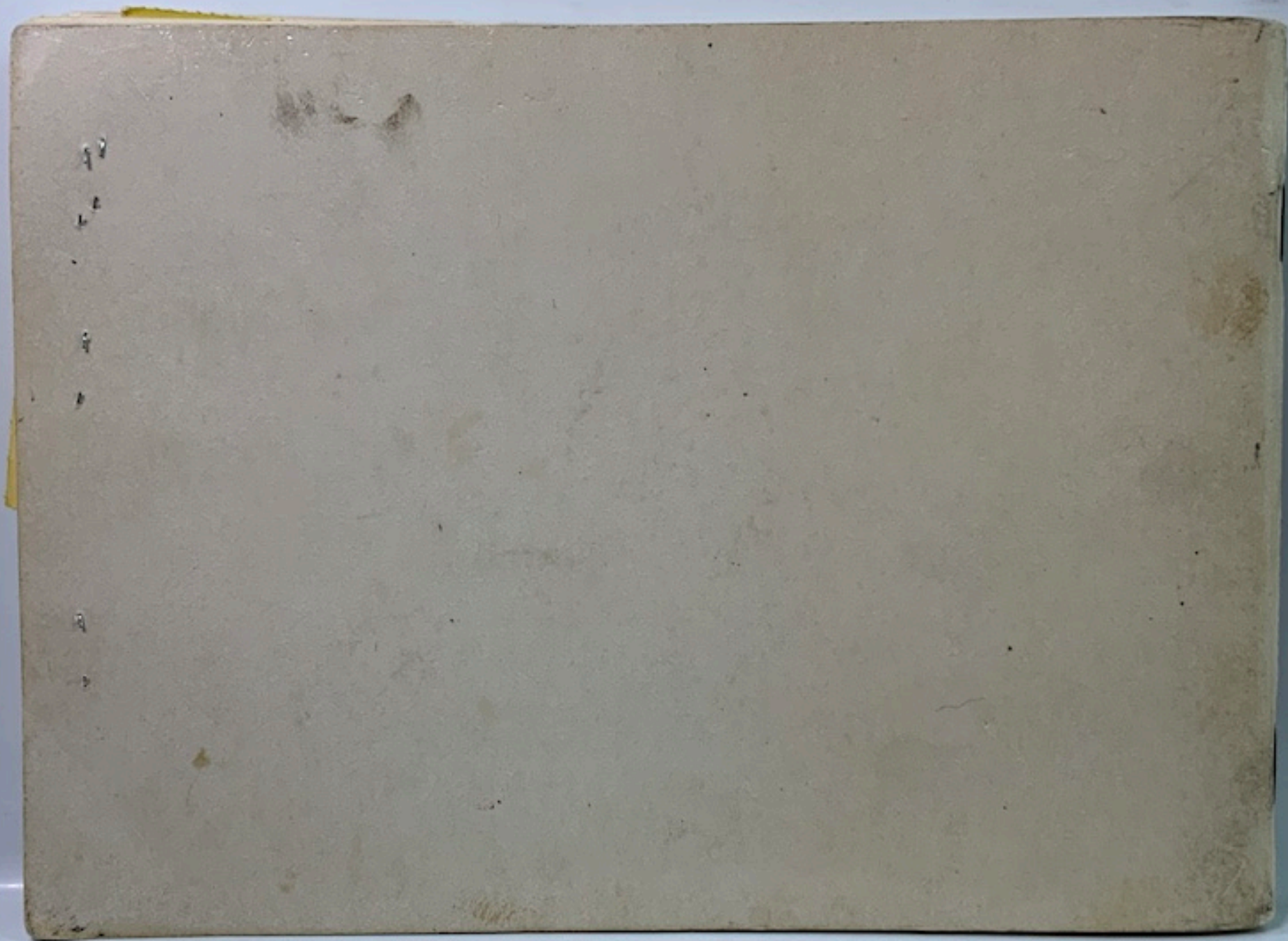
5-8-92

1616.9

INSTALLED REBUILT STARTER DRIVE. REPAIRED "P" LEAD
WIRE TO LH MAGNETO. RUN UP & OPS CK-OK

Bump AIP 457478547

20



#3



ENGINE LOG



Model IO-540-K1E5

W.O. E3633

Serial L-11896-48

Date 7-24-92

Limited Warranty

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, that the cost of all charges must be agreed upon prior to any warranty work being accomplished. All labor charges paid on flat rate labor schedule furnished by manufacturer.
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.

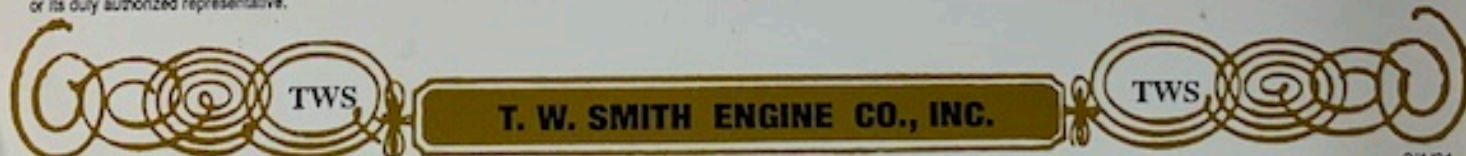
This engine is further warranted on a prorated basis except that no labor allowance will exist after the period of 240 hours of operation or 180 days from the date of sale and said further prorated basis shall be subject to the provisions herein. The engine proration is based on the ratio of hours logged 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 ENGINE 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.



T. W. SMITH ENGINE CO., INC.

HANGAR #1 • LUNKEN AIRPORT • CINCINNATI, OHIO 45226

MAINTENANCE RELEASE

The aircraft and/or component identified above was overhauled 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.

CERTIFIED REPAIR STATION
No. CB1R054K

Work Order No. E3633 Date: 7-27-92

Model: I0-540-K1E5 Serial No. L-11896-48

Date Re-built 7-23-92

Total Accumulated Time 2200.35 HOURS

Signed: *[Signature]*

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

AD NOTES AND SERVICE BULLETINS COMPLIED WITH AT TIME OF ENGINE RE-BUILD

<u>A.D.-81-18-04 R2</u>	<u>S.B.-456E</u>	<u>S.I.-1341</u>
<u>S.B.-439</u>	<u>A.D.-91-14-22</u>	<u>S.B.-475A</u>
<u>S.I.-1123C</u>	<u>S.I.-1225D</u>	<u>S.I.-1228A</u>
<u>S.I.-1218A</u>	<u>S.I.-1016C</u>	<u>S.I.-1284A</u>
<u>S.B.-240M</u>	<u>S.I.-1423</u>	<u>S.I.-1059C</u>
<u>S.B.-234</u>	<u>S.I.-1012F</u>	<u>A.D.-79-10-03</u>
<u>S.I.-1059</u>	<u>S.I.-1028</u>	<u>S.I.-1030</u>
<u>S.I.-1280</u>	<u>S.I.-1302</u>	<u>S.I.-1037J</u>
<u>S.I.-1340</u>	<u>S.I.-1342</u>	<u>S.B.-240K</u>
<u>S.L.-84-001</u>	<u>S.I.-1430</u>	<u>S.L.-84-003</u>
<u>S.L.-84-005</u>	<u>S.L.-88-002</u>	<u>S.L.-91-001</u>

AD92-12-05 does not apply due to affected piston pins not installed.

THIS ENGINE WAS OVERHAULED ACCORD-
ING TO MANUFACTURER'S MANUAL AND
MUST BE OPERATED IN STRICT ACCOR-
DANCE WITH ORIGINAL ENGINE
MANUFACTURER'S OPERATIONS MANUAL.

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

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

ENGINE TEST RUN PER MANUFACTURER'S
SPECIFICATION FOR 2.71 HRS.
ON 7-24-92 T. W. SMITH ENGINE
CO., INC.

Kevin Dan

**ENGINE EQUIPPED WITH
NU-CHROME CYLINDERS**

ENGINE DESCRIPTION

MANUFACTURER Lycoming MODEL IO-540-K1ES

SERIAL NUMBER L-11896-48 DATE OF MANUFACTURE _____

RATED BHP _____ RPM _____ MANIFOLD PRESSURE _____

FUEL REQUIRED OCTANE/PERFORMANANCE _____

REGISTERED OWNER _____

STREET & No. _____

CITY, STATE, ZIP _____

REGISTERED OWNER _____

STREET & No. _____

CITY, STATE, ZIP _____

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED — AGENCY & CERTIFICATE NO.
8-14-92	1620	Installed this engine on Bellanca 17-31A s/n 75-32-146
	TSD 2.71	N4205 B.I.A.W. Bellanca Service Manual. Installed service-
(TTE = 2200.35)		able spark plugs. Installed new oil filter & serviced with
		Acrosnell 100 mineral oil. Run-up & leak check OK.
		Darryl P. Barnes AIP 464211972
11/16/92	TACH 1628	INSTALLED OVERHAULED VACUUM PUMP SERIAL NO. 206129.
	TSD 10	C/W AD 76-23-03 R1 (11-07-86) BY INSPECTION OF EXHAUST SYSTEM -
		INSTALLED LT & RT REPAIRED MUFFLER & TAILPIPE - NEXT DUE 12-93.
		INSTALLED MIXING VALVE COVER SCREW FROM #1 CYLINDER.
		COMPRESSION CHECK #1 74/80, #2 70/80, #3 72/80, #4 74/80, #5 75/80,
		#6 71/80. Run-up & LEAK CHECK - OK. I CERTIFY THAT THIS ENGINE
		HAS BEEN INSPECTED IAW A 100HR INSPECTION & WAS
		DETERMINED TO BE IN AN AIRWORTHY CONDITION.
		James C. Luning J. AIP 524178751

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED — AGENCY & CERTIFICATE NO.	D
4 AUG 93	TACH 1695.5 TSO 77.5	Changed oil & filter; 11 qts mobil AERO 100 (50 wt A.D.) and CH48110 oil filter. Inspected & cleaned suction screen, found clean. Checked compression, 79, 79, 79, 79, 79, 79/80. Cleaned, gapped & TESTED SPARK PLUGS. Ground run-up completed satisfactorily. Parker NIAV. AEP475922332.	11-2 20 A
25 AUG 93	TACH 1695.5 TSO 77.5	Removed & Replaced oil breather line with Mil-H-6000B. Parker NIAV. AEP475922332.	
27 NOV 93	TACH 1758.9 / 2339.25 TTE / 141.6 SMOH. TSO 410.9 (141.6 SMOH) (See 8-14-92 entry)	Removed #1, 3 & 5 exhaust and intake pipes; reinstalled with new exhaust gaskets (3 ea 77611), intake gaskets (3 ea 71973) and intake O-ring (3 ea 72711). Changed oil & filter (10 qts Mobil Aero 100 and CH48110 filter), checked suction screen, Compression tested: 79, 79, 79, 79, 78, 78/80. C/W Lgc 93-2-5 (6-14-93) by inspecting fuel injector lines (AW AD; due next NLT 1858.9 tach. I certify this engine has been inspected IAW an annual	7 Sep 6 FEB

INSPECTION & MAINTENANCE RECORD

E NO.	DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED — AGENCY & CERTIFICATE NO.
and and clean. ped & ectorily 2332.	11-27-93 (cont.)		inspection and was determined to be in airworthy condition. E7 Page # ADP467847079IA
2332.	20 April 94	1801.9 TSO 183.9	changed oil & oil filter: 11gts mobil AERO 100 & oil filter CH48110. checked low pressure oil screen, found clean. NO oil leaks noted on aircraft P. Mauer / AP475922332
handst es; nitaka changed to), 79.79	7 Sept 94	1869.6 TSO 251.6	changed oil & oil filter: 11gts mobil AERO 100 & oil filter CH48110. Oil filter was spit found clean as well as suction screen. NO oil leaks noted on aircraft. P. Mauer / AP475922332
ing he annual	6 FEB 95	1915.0 TSO 297.0	changed oil & oil filter: 11gts mobil AERO 100 & oil filter CH48110. Suction screen found clean. P. Mauer / AP475922332

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED — AGENCY & CERTIFICATE NO.
15 AUG 95	1951.8 tack / 334.50 SMOH / 2532.15 TTE.	Drained oil, TSO 333.8 checked suction screen & opened oil filter, replaced filter (CA48/10) and added 12 qts Mobil Aero 100 oil. Cleaned, gapped & tested spark plugs. Checked compression: 77, 78, 78, 78, 77, 79/80. I certify this engine has been inspected IAW an annual inspection and was determined to be in airworthy condition. E. Hoge APR 67847079
96	2006.4	Reinstalled repaired mag PN 10-349370-4 R Side.
	TSO 388.4	Repaired by NAVAJO ACC. Group 8 Runup TESTED O.K. P. NILES / AP 975922332

INSPECTION & MAINTENANCE RECORD

ITE NO.

DATE

TOTAL TIME

INSPECTION OR MAINTENANCE PERFORMED — AGENCY & CERTIFICATE NO.

15 MAR 96

2020.13

changed oil & oil filter. 11 qts mobil AERO 100 & oil
filter CH48110 Suction screen found clean

P. MAVER / AP 475922332

09 OCT 96

2073.14

T50 455.11

changed oil & oil filter 12 qts mobil AERO 100 & oil
filter CH48110 Suction screen found clean.

P. MAVER / AP 475922332

11-9-96

2073.4

Removed L mag (PN 10-349370-4, SN-A19539) for
O/H by Navajo Accessories (CRS BU2R729K); see W.O. 40386
dated 10-29-96. Reinstalled mag & tuned to engine.
Ground run-up was satisfactory. E) Page AP 467847079

N4205B

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED — AGENCY & CERTIFICATE NO.	DATE
5-4-97	2115.5 ^{tach}	Drained oil, changed oil filter with Champion CH48110, opened filter & checked for metal (none found), filled with 12 qts Mobil Aero 100 AD oil. Chandel, gapped & tested spark plugs. Compression tested: 77, 73, 76, 77, 75, 80/80. C/W Lye AD 93-2-5(6-14-93) by inspecting fuel injector lines IAW SB 342; due again NLT 2215.5 tach. C/W Bendix AD 96-12-7 (7-18-96) (supercedes AD 78-9-7R3) by inspecting both magnets impulse couplings IAW SB 639, 645; due again NLT 2615.5 tach (L mag S/N = A19539, R mag S/N = 85460186); retimed engine. AD ² checked through 97-08. I certify this engine has been inspected IAW an annual inspection and was determined to be in airworthy condition. E) Page A&P 467847079 IA.	7-1
498.2 [✓] SMOK			
2695.8 [✓] TTE (8-24-92)			

INSPECTION & MAINTENANCE RECORD

E NO.	DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED — AGENCY & CERTIFICATE NO.
pion	7-14-97	2128.3 ^h	Removed CHT gauge, repaired at
e			Tech Air Instrument CRS 002 R066L W.O. 56116 dtd 7-9-97
Channel,			(PN- I4079-101-2, SN-507), reinstalled and test flew;
dled i			checked good. E7 Page A4P467847079 (also in acct log)
L-93)			
; due			
2-7			
th			
due			
g. S/N =			
97-08.			
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le in			
7.			

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED — AGENCY & CERTIFICATE NO.
8-7-98	2201.5 TTAC (tach).	<p>TTE = 2566.8 / TSMOH = 584.2 —</p> <p>Inspected engine/propeller in accordance with Bellanca Aircraft Inspection Report, Form 97. Compression checked: 79, 68, 78, 70, 74, 72/80. Cleaned, gapped and tested spark plugs. Changed oil with 12 qts Mobil Aero 100 AD & oil filter (Champion CH48110). Researched AD's through 98-94. Complied with Lycoming AD 93-02-05 (6-14-93) by inspecting fuel injection lines in accordance with AD; due next not later than 8-31-99/next annual. R&R all six exhaust gaskets, PN 77611. R&R all six cylinder head oil return line rubber hoses & clamps, PN STD-2180 (6 ea.). R&R #5 cylinder intake gasket, PN 71973. I certify this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. E) Pages AIP 467847079 IA.</p>

INSPECTION & MAINTENANCE RECORD

CIFICATE NO.

DATE

TOTAL TIME

INSPECTION OR MAINTENANCE PERFORMED — AGENCY & CERTIFICATE NO.

Date: 12-23-98

HM:

Tach: 2262.4

TT:

SMOH:

N#: N4205B

Make: Lycoming

Model: IO-540-K1E5

S/N:

L-11896-48

Removed left magneto. Replaced MF3A ignition filter and 10-349276-E capacitor. Timed internally, installed and timed to engine. Ground run-up checked satisfactory.

E. T. Page

E. T. Page, III A&P467847079IA

Page Aviation

Cotulla, Texas 78014

830-879-3858

Date: 11-08-99

HM:

Tach: 2329.85

TT:

2695.15 SMOH: 702.55

N#: N4205B

Make: Lycoming

Model: IO-540-K1E5

S/N:

L-11896-48

Annual/ 100 Hour Inspection in accordance with Bellanca Aircraft Inspection Report, Form 97. Compression checked 79, 76, 79, 80, 78 and 78/80. Installed twelve new Champion RHB-37E sparkplugs. Drained oil; removed and inspected oil screen, disassembled and inspected oil filter: no abnormal deposits noted; installed Champion CH48110 oil filter; serviced engine with 12 qts. Aeroshell W100 oil. Run-up and leak checks were good. AD's were checked through 99-20. C/W Lycoming AD93-02-05 (6-14-93) by inspecting fuel injector lines in accordance with SB 342A; due next not later than 11-8-00. I certify this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

E. T. Page

E. T. Page, III A&P467847079IA

INSPECTION & MAINTENANCE RECORD

DATE

TOTAL

Bellanca N4205B Tach: 2407.0 hrs. Date: March 13, 2001

AGENCY & CERTIFICATE NO.

100 hr. inspection completed this date. All routine items checked. Compression check #1-75/80, #3-78/80, #468/80, #5-72/80, #6-75/80. Removed #2 cylinder due to low compression. Cleaned and inspected cylinder. Replaced exhaust valve guide, honed cylinder. Ground valve seats. Installed new exhaust valve, ground and installed intake valve. Inspected piston, checked good. Fit and installed new rings. Installed cylinder using new seals and gaskets. Installed new bendix drive on starter. Fabricated and installed all new fuel and oil hoses. Hoses were fabricated from Stratoflex 111 series hose and 2650 series firesleeve. All hoses were cleaned and pressure checked. Replaced inlet air filter. Changed oil and filter, serviced with Aeroshell 100 non detergent oil. Recommend using non detergent oil for first 25 hrs. or until oil consumption has stabilized. C/W AD 76-23-03 by inspection of exhaust and ball joints, both exhaust removed for overhaul by Dawley Aviation, see release tags in aircraft log. C/W AD 93-02-05 by inspection of fuel injector lines and clamps, checked good. C/W AD 96-12-07 by inspection of magneto

impulse couplings. Removed mags, inspected couplings for wear, checked good. Reinstalled mags using new gaskets and timed to engine. See AD note summary in aircraft papers for complete listing and compliance times. Cleaned fuel nozzles and screen. Cleaned and gapped plugs, megged harness. Engine washed and ground run, checked good.

I Certify that this Engine has been Inspected in accordance with an

100 hr. Inspection and determined to be in Serviceable Condition.

Total Time 2407.0

Tach Time 2407.0

Date March 13, 2001

Signature Arthur D. McNeill ELY Batt. Exp. See A/C log

Miller Flying Service Certified Repair Station # GYCR551B

INSPECTION & MAINTENANCE RECORD

DATE NO.

DATE

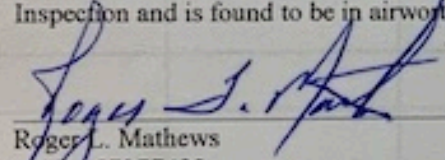
TOTAL TIME

INSPECTION OR MAINTENANCE PERFORMED — AGENCY & CERTIFICATE NO.

Bellanca N4205B Tach: 2450.0 hrs. Date: April 8, 2002
 100 hr. inspection completed this date. All routine items checked. Compression
 check: #1-77/80, #2-79/80, #3-78/80, #4-71/80, #5-73/80, #6-75/80. Cleaned and
 gapped plugs, megged harness. Cleaned fuel nozzles and screen. Serviced inlet air
 filter. Replaced noise filter on left mag. No oil change this date. C/W AD
 76-23-03 by inspection of exhaust and ball joints, checked good. C/W AD 93-02-05 by
 inspection of fuel injector lines and clamps for security and condition, checked
 good. Washed engine and ground run, checked good. See AD note summary in aircraft
 papers for complete listing and compliance times.

I Certify that this Engine has been inspected in accordance with an
100 hr. inspection and determined to be in Good condition.
 Total Time 2450.0 Tach Time 2450.0 Date April 8, 2002
 Signature Arthur W. Mitchell ELT Batt. Exp. See A/C Log
 Miller Flying Service Certified Repair Station # GYCR551E

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED — AGENCY & CERTIFICATE NO.
Date: 06 May 2003	Tach: 2460.66 TSMOH: 840.66 Total Time: 3041.01	
<p>Performed 100 hour inspection per GFS 4326 check list and applicable Bellanca service manual. Drained oil, and removed oil filter. Installed new CH48110 filter. Inspected old filter for contamination. None noted. Serviced with 10 quarts of ASW100/50 oil. Complied with AD 76-23-03 R1 inspection of exhaust system, and AD 2002-26-01 inspection of fuel injection lines. Cylinder compression recorded as follows: 1) 75/80 2) 75/80 3) 78/80 4) 72/80 5) 64/80 6) 75/80 Inspected exhaust and intake. Checked engine baffles and heat muffler for cracks. Checked prop and spinner, and prop bulkhead for cracks. None noted. Checked and lubed engine controls. Checked starter and alternator for condition and security. Changed air intake filter. Performed engine run up and ground ops satisfactory. See attached AD list for complete listing.</p>		
<p>I certify this engine has been inspected in accordance with a 100 hour inspection and is found to be in airworthy condition.</p>		
<p> Roger L. Mathews A&P 457377432</p>		

INSPECTION & MAINTENANCE RECORD

CERTIFICATE NO.

DATE

TOTAL TIME

INSPECTION OR MAINTENANCE PERFORMED — AGENCY & CERTIFICATE NO.

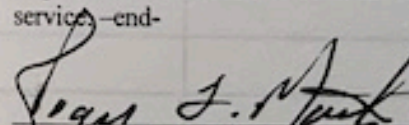
N4205B Tach: 2464.99 TSMOH: 844.99 Total: 3045.34

Performed a 100 hour inspection in accordance with GFS 4326 check list and applicable Bellanca service manual. Drained oil, and checked oil filter for contamination. None noted. Serviced with 10 quarts of ASW 100/50 oil. Installed new CH48110-1 filter. Performed compression check and recorded the following results:

1) 77/80 2) 76/80 3) 76/80 4) 68/80 5) 69/80 6) 75/80

Checked engine baffles and heat muffler for cracks. Repaired baffling as needed. Checked and lubed engine and prop controls for proper rigging and movement. Checked magneto timing. Checked alternator and starter for condition and security. Performed engine run up and ground operation is satisfactory. See attached AD list for complete airworthiness directory listing.

I certify this engine has been inspected in accordance with a 100 hour inspection and is found to be in airworthy condition. Engine is returned to service. —end—


Roger L. Mathews, A&P 457377432

05 AUG 04
date

INSPECTION & MAINTENANCE RECORD

N4205B

08-08-2005 Tach Time: 2466.6 SMOH: 846.6, ETT: 3047.0

PERFORMED — AGENCY & CERTIFICATE NO.

Drained oil, removed filter, cut filter, no metal noted. Serviced with 7qts. Aeroshell 100, 50W and new Champion CH48110. Replaced air intake filter with new 201485 filter. Compression Test: #1: 70/80, #3: 72/80, #2: 73/80, #4: 70/80 #5: 71/80, #6: 74/80. Cleaned, gapped, and rotated spark plugs. Checked magneto timing. AD 63-14-03 Oil Pump drive shaft: replaced at overhaul. AD 82-13-01 Bendix Magnetos: N/A Affected part not installed on magnetos. AD 98-18-12 Torque Check Inspection: PCW final Toque inspection complied with on 08 april 2002, AD no longer applies to this engine. AD 2002-26-01 Prevent failure of the fuel injector fuel lines: complied with by inspection as required by paragraph C of the AD next due 2566.6. AD 2003-14-03 Prevent rotary fuel pump leaks: complied with by inspection of housing and screen. AD 2005-12-06 Prevent failure of the magneto impulse coupling assembly: comply with each 100 hour. Last check at 2407.0 hours next due 2507.0.

I certify that I have inspected this engine per 100 hour inspection and return to service.

John Justin Williams
John Justin Williams A&P 3024563

INSPECTION & MAINTENANCE RECORD

ATE NO.

DATE

TOTAL TIME

INSPECTION OR MAINTENANCE PERFORMED — AGENCY & CERTIFICATE NO.

N4205B

09-07-2006 Tach Time: 2469.7 SMOH: 849.7, ETT: 3050.0

Drained oil, removed filter, cut filter, no metal noted. Serviced with 7qts. Aeroshell 100, 50W and new Champion CH48110. Replaced air intake filter with new 201485 filter. Compression Test: #1: 75/80, #3: 75/80, #2: 79/80, #4: 70/80 #5: 70/80, #6: 65/80. Cleaned, gapped, and rotated spark plugs. Checked magneto timing. AD 63-14-03 Oil Pump drive shaft: replaced at overhaul. AD 82-13-01 Bendix Magnetos: N/A Affected part not installed on magnetos. AD 98-18-12 Torque Check Inspection: PCW final Toque inspection complied with on 08 april 2002, AD no longer applies to this engine. AD 2002-26-01 Prevent failure of the fuel injector fuel lines: complied with by inspection as required by paragraph C of the AD next due 2566.6. AD 2003-14-03 Prevent rotary fuel pump leaks: complied with by inspection of housing and screen. AD 2005-12-06 Prevent failure of the magneto impulse coupling assembly: comply with each 100 hour. Last check at 2407.0 hours next due 2507.0.

I certify that I have inspected this engine per 100 hour inspection and return to service

Darrell Williams
Darrell Williams A&P 2772084

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED — AGENCY & CERTIFICATE NO.	DATE
11-12-07	TACH 2772.7	Completed 100 hrs inspection change oil & filter, used 9 qts ASW 100/10 oil, used CH48110 filter, no metal in old filter, ck Comp. ① 78 ② 76 ③ 72 ④ 74 ⑤ 74 ⑥ 76. cleaned injectors and reinstalled, clean gas ck plugs, cleaned dressed prop, ck Eng controls and regging. inspect plugs and plug wires, ck spinner and Backplate, Run Eng gas sys test-End- Mike E Dutton AP458272859	01-24-09

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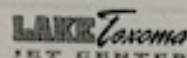
INSPECTION & MAINTENANCE RECORD

DATE

TOTAL TIME

INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.

DATE



Lake Texoma Jet Center, LLC

3604 Airport Drive
Denison, Texas 75020
ENGINE

Date: 11/01/2011

Aircraft: Bellanca

Eng. Model: Lycoming

Reg: N4205B

Eng. IO-540-KIE5

ATT: 2473.67

ETT: 3054.0

ETSMO: 853.7

- Inspected fuel system components in accordance with AD 87-11-01 and Bellanca Service Letter B-105. No defects noted
- Inspected exhaust components in accordance with AD 2008-05-11 and Bellanca Service Letter B-110. No cracks found.
- Comply with AD 2008-14-07. Inspected engine fuel system and fuel Injection components and found this **AD does not apply** to system installed on aircraft engine fuel system IAW AD 2009-02-03. Applies to fuel injected reciprocating engines
- Performed Compression Check and recorded the following results:
1) 75/80, 2) 75/80, 3) 79/80, 4) 70/80, 5) 70/80, 6) 75/80

Page 1 of 2

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S:

The above described article has been inspected and/or repaired in accordance with the above described inspection/maintenance and current Regulations of the Federal Aviation Agency and is approved for return to service with respect to work performed. Pertinent details of repairs and inspections are on file at this repair station under the W/O 11-01710.

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

Ch. P. C. R. 72

Cleo Denver Craddock, Jr.

A&P, IA Certificate # 302646727

For: Lake Texoma Jet Center, LLC

Page 2 of 2

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED — AGENCY & CERTIFICATE NO.
		<p style="text-align: center;">LAKE Texoma <small>LAKE TEXOMA, TEXAS</small> 3604 Airport Drive Denison, Texas 75020 Engine</p> <p>Date: 10-20-2015 Eng. Model: IO-540-K1E5 Eng. S/N: L-11896-48 Eng. TTSOH: 855.65</p> <p style="text-align: right;">Aircraft: Bellanca 17-31A Reg: N4205B TT: 2475.62</p> <p>Performed a 100 hr inspection on this engine IAW Lycoming manual 60297-10. Performed pre-inspection run-up. Performed annual inspection IAW Bellanca service manual section 3 and FAR 43, appendix D. Performed differential compression check. Readings were #1 78/80, #2 77/80, #3 78/80, #4 75/80, #5 75/80, and #6 77/80. Cleaned gapped and tested spark plugs. Replaced one plug with a new plug, P/N RHB37E. Inspected fuel injection lines IAW Lycoming SB 342G. Performed post inspection run up. Ops checked good. All Ads current as of this date.</p> <p>"I certify that this aircraft/engine has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition." Pertinent details of repairs and inspections are on file under the W/O 15-02115.</p> <p style="text-align: right;"><i>Ben Faght</i> A&P 3677115 For: Lake Texoma Jet Center, LLC</p>

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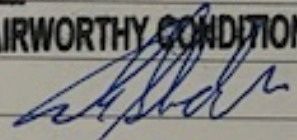
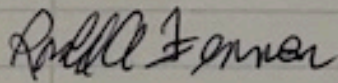
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INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED — AGENCY & CERTIFICATE NO.
11/5/2016	T-2477.52 TSMOH-857.52 ETT-2477.52 100 hr/Annual Inspection	<p>I CERTIFY THAT THIS <u>Engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>100hr/Annual</u> INSPECTION AND WAS FOUND TO BE IN AIRWORTHY CONDITION.</p> 
<p>Compression Test: 78, 77, 77, 77, 77, 78/80 Removed all sparkplugs, inspected, cleaned, gapped and reinstalled all sparkplugs. Checked mag timing on both magnetos to 20 degrees. Changed oil and filter. Serviced with 10quarts of AS100w oil and a CH48110-1 oil filter. Inspected engine air filter. Check all belts, hoses, and engine mount for condition and wear. Inspected intake and exhaust systems. Ran engine to full power and checked all systems. All checks were normal. All work performed IAW FAR43, Appendix D and AC43.131B/2A and applicable maintenance manual. This engine is returned to service. Charles Schandelmeier, IA3575997</p>		
08/21/2017	T-2479.0 TSMOH-859.0 ETT-2479.0	<p>Removed and replaced all Spark Plugs with P/N RHB37E IAW with Champion Spark Service AV6-R revised 08/2014 .</p> <p></p> <p>PP 203310</p>
<p>Removed and replaced all Spark Plugs with P/N RHB37E IAW with Champion Spark Service AV6-R revised 08/2014 .</p>		

INSPECTION & MAINTENANCE RECORD

CATE NO.	DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED — AGENCY & CERTIFICATE NO.
<p><i>has</i> HAS ICE WITH A WAS FOUND ON.</p>	12/1/2017	T-2480.07 ETT-2480.07 ETSMOH-860.07 100 hr/Annual Inspection	<p>Compression test: 72, 75, 74, 72, 75, 75/80 Removed all sparkplugs, clean inspect gap and reinstall all sparkplugs. Changed oil and filter. Serviced with 10 quarts of AS100w oil and a CH48110-1 filter. Checked both mags timing to 20 degrees. Inspected intake air filter. Check all belts, hoses, and engine mount for condition and wear. Inspected intake and exhaust systems. Installed new prop cable. Ran engine to full power and checked all systems. All checks were normal. All work performed IAW FAR43, Appendix D and AC43.131B/2A and applicable maintenance manual. This engine is returned to service. Charles Schandelmeier, IA3575997</p>
			<p>I CERTIFY THAT THIS <u>Engine</u> <u>Annual</u> Annual HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>100hr/Annual</u> INSPECTION AND WAS FOUND TO BE IN AIRWORTHY CONDITION.</p>

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T.W. SMITH ENGINE COMPANY
4510 Airport Road Hanger #1
Cincinnati, Ohio 45226

INSPECTION & MAINTENANCE RECORD

NO.

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TOTAL TIME

INSPECTION OR MAINTENANCE PERFORMED — AGENCY & CERTIFICATE NO.

7/15/2019 T-2480.30 ETT-2480.30 TSMOH-860.30

100 hr/Annual Inspection

Compression Test-74, 70, 74, 70, 72, 72/80

Removed all sparkplugs, clean inspect gap and reinstall all sparkplugs.

Changed oil and filter. Serviced with 10 quarts of AS100w oil and a

CH48110-1 oil filter. Checked magneto timing to 20 degrees. Inspected

engine air filter. Check all belts, hoses, and engine mount for condition and

wear. Inspected intake and exhaust systems. Ran engine to full power and

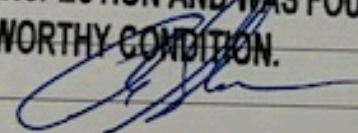
checked all systems. All checks were normal. All work performed IAW

FAR43, Appendix D and AC43.13 1B/2A and applicable maintenance

manual. This engine is returned to service. Charles Schandelmeier,

IA3575997

I CERTIFY THAT THIS Engine HAS
BEEN INSPECTED IN ACCORDANCE WITH A
check/inspect INSPECTION AND WAS FOUND
TO BE IN AIRWORTHY CONDITION.



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Model: Bellanca 17-31A

S/N: 17-32-146

Reg No: N4205B

Eng Mod: Lycoming IO-540-K1E5

Eng S/N: L-11896-48

Date: 07/10/21

TACH: 2480.42

AFTT: 2480.42

TSMOH: 861.0

Changed Oil and filter. Filter cut for inspection, no metal found. New Oil filter PN: C48110-1. Serviced engine with 10qts of Aeroshell 100W oil. Ground run up and leak checks ok. Compression: #1. 78/80, #3. 78/80, #5. 77/80, #2. 77/80, #4. 77/80, #6. 76/80. Completed a 100hr inspection. I certify this Engine/Propeller has been inspected in accordance with a 100 hr Inspection and has been found to be in an Airworthy Condition. This aircraft and/or component has been repaired and inspected in accordance with current applicable Federal Aviation Regulations and was found to be in an airworthy condition with respect to the work performed and is approved for return to service.

Chris Poupard

CERT# AP 2768547

Signed: Chris Poupard

